ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 West 43rd Street, NY, NY 10036

VOL. 43, #34 *August 24, 2012*

Contents

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: September 23, 2012

AMCi (AMC Institute)

Revision

BSR/AMCi A100.1-201x, AMC Standard of Good Practices for Association Management Companies (revision and redesignation of ANSI/IAAMC A100.1-2008)

The AMC Institute Standard establishes requirements that provide a measurement for practices that can be utilized by all sizes and types of Association Management Companies (AMCs) in order to enhance the performance of the AMC and their staff.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Andrea Bower, (215) 564 -3484 ext. 2268, abower@amcinstitute.org

NSF (NSF International)

Revision

BSR/NSF 330-201x (i3), Glossary of drinking water treatment unit terminology (revision of ANSI/NSF 330-2009)

New language has been proposed in the DWTU standards to address TICs and unknown compounds that are found during extraction testing. Definitions have been added to NSF 330 to define relevant terms used in the DWTU standards.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

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

Proposal to remove requirements for Thin Core Substrates (aka "Planar Capacitors") from "Embedded Components" in Table 20.9.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1023-201x, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2009)

Correction of Table 16.1 for Minimum Spacings.

Click here to view these changes in full

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

Comment Deadline: October 8, 2012

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 25539-2-201x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2 and revision of ANSI/AAMI/ISO 25539-2-2008)

Specifies requirements for vascular stents, based upon current medical knowledge. Gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization packaging and information supplied by the manufacturer. Includes vascular stents used to treat vascular lesions or stenoses, or other vascular abnormalities. These devices may or may not incorporate surface modifications of the stent such as drug and/or other coatings.

Single copy price: 20.00 (AAMI members)/$25.00 (nonmembers) [print]; Free (AAMI members)/$25.00 (nonmembers) [PDF]

Obtain an electronic copy from: 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) to: Cliff Bernier, (703) 253 -8263, CBernier@aami.org

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR06-35-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under appendices G-192-11 and G-192-11A regarding the reevaluation of leaks. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR07-06-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.487 on repair or replace surface pitting. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR08-18-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.273 regarding mechanical joints in metallic pipelines. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR11-21-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under appendix G-192-8 on DIMP and excavation damage threat. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR08-43-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.613 and GMA G-192-1 on SCC mitigation. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR11-22-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under appendix G-192-8 regarding DIMP and the removal of facilities. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR10-04-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.363, 192.381, and 192.383 regarding excess flow valves covered under the DIMP rulemaking. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR11-25-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under appendices G-192-11 & G-192-11A regarding leak survey and completeness vs. effectiveness. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR10-08-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.605, 192.803 and 192.805 on operator qualification. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR11-27-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.145 regarding pull-out resistance of compression couplings. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2012 TR11-41-200x, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2012)

Revise guidance under 192.921 on ILI not listed in B31.8S. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 & 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Paul Cabot, (202) 824-7312, pcabot@aga.org

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

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.5-201x, Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 Metric/Inch Standard (revision of ANSI/ASME B16.5-2009)

(a) This Standard covers pressure-temperature ratings, materials, dimensions, tolerances, marking, testing, and methods of designating openings for pipe flanges and flanged fittings. Included are:

(1) flanges with rating class designations 150, 300, 400, 600, 900, and 1500 in sizes NPS 1/2 through NPS 24 and flanges with rating class designation 2500 in sizes NPS 1/2 through NPS 12, with requirements given in both metric and U.S. Customary units with diameter of bolts and flange bolt holes expressed in inch units;

(2) flanged fittings with rating class designation 150 and 300 in sizes NPS 1/2 through NPS 24, with requirements given in both metric and U.S. Customary units with diameter of bolts and flange bolt holes expressed in inch units; and

(3) flanged fittings with rating class designation 400, 600, 900, and 1500 in sizes NPS 1/2 through NPS 24 and flanged fittings with rating class designation 2500 in sizes 1/2 through NPS 12 that are acknowledged in Nonmandatory Appendix E in which only U.S. Customary units are provided.

(b) This Standard is limited to:

(1) flanges and flanged fittings made from cast or forged materials;

(2) blind flanges and certain reducing flanges made from cast, forged, or plate materials

Also included in this Standard are requirements and recommendations regarding flange bolting, gaskets, and joints.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Adam Maslowski, (212) 591 -8017, maslowskia@asme.org

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B16.34-201x, Valves - Flanged, Threaded, and Welding End (revision of ANSI/ASME B16.34-2009)

This Standard applies to new construction and covers pressure-temperature ratings, dimensions, tolerances, materials, nondestructive examination requirements, testing, and marking for cast, forged, and fabricated flanged, threaded, and welding end and wafer or flangeless valves of steel, nickel-base alloys, and other alloys shown in Table 1. Wafer or flangeless valves, bolted or through-bolt types, that are installed between flanges or against a flange are treated as flanged-end valves. Alternative rules for NPS 2-1/2 and smaller valves are given in Mandatory Appendix V.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Adam Maslowski, (212) 591 -8017, maslowskia@asme.org

ASSE (American Society of Sanitary Engineering)

New Standard

BSR/ASSE 1071-201x, Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment (new standard)

These devices shall consist of a hot-water inlet connection, a cold-water inlet connection, a mixed-water outlet connection, a temperature-controlling element, and a means for adjusting the mixed-water outlet temperature while in service. The device shall also have a means to limit the maximum outlet temperature under normal operating conditions. Provisions shall be made so that the temperature cannot be inadvertently adjusted.

Single copy price: $45.00

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

Order from: Kenneth Van Wagnen, (440) 835-3040, ken@asse-plumbing.org

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

AWS (American Welding Society)

New Standard

BSR/AWS A9.5-201x, Guide for Verification and Validation in Computation Weld Mechanics (new standard)

This standard provides guidelines for assessing the capability and accuracy of computational weld mechanics (CWM) models. This standard also provides general guidance for implementing verification and validation (V&V) of computational models for complex systems in weld mechanics.

Single copy price: $25.00

Obtain an electronic copy from: roneill@aws.org

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

Send comments (with copy to psa@ansi.org) to: Andrew Davis, (305) 443 -9353 Ext. 466, adavis@aws.org

CSA (CSA Group)

New Standard

BSR Z21.93-201x, Excess Flow Valves (same as CSA 6.30) (new standard)

Details test and examination criteria for excess flow valves used after the service meter or second stage regulator not to exceed 2-inch (51-mm) nominal pipe size or used with natural, manufactured and mixed gases, liquefied petroleum (LP) gases, and LP gas-air mixtures at pressures not to exceed 5 psig, having a minimum operating pressure of no greater than 5 inches water column and capable of operation within an ambient temperature range of -20 F to 150 F (-29 C to +66 C) Valves shall also be capable of operation at temperatures outside this specified range when so specified by the manufacturer.

Single copy price: $175.00

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

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

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

CSA (CSA Group)

Reaffirmation

BSR Z21.66-1996 (R201x), Automatic Vent Damper Devices for Use with Gas-Fired Appliances (same as CSA 6.14) (reaffirmation of ANSI Z21.66 -1996 (R2007))

This standard applies to an automatic vent damper device designed to form a section of the vent connector from an individually, automatically operated, gas-fired appliance equipped with a draft hood(s). This device shall not be installed on any appliance converted from solid or liquid fuels. It does not apply to a flue damper, which is a device installed before of the draft hood relief opening(s).

Single copy price: $175.00

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

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

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

HPS (ASC N13) (Health Physics Society)

New Standard

BSR N13.56-201x, Sampling and Monitoring Releases of Airborne Radioactivity in the Workplace of Nuclear Facilities (new standard)

This standard sets forth guidelines and performance criteria for sampling radioactive substances in the workplace of nuclear facilities. Emphasis is on health protection for workers in indoor environments. Specifically, this standard covers air sampling program objectives, design of air sampling and monitoring programs to meet program objectives, methods for air sampling and monitoring in the workplace, and quality assurance to ensure system performance toward protecting workers against unnecessary inhalation exposures.

Single copy price: $20.00

Obtain an electronic copy from: njohnson@burkinc.com

Order from: Nancy Johnson, (703) 790-1745, njohnson@burkinc.com

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

ISA (ISA)

New National Adoption

BSR/ISA 60079-15 (12.12.02)-201x, Explosive atmospheres - Part 15: Equipment protection by type of protection "n" (national adoption of IEC 60079-15 Edition 4 with modifications and revision of ANSI/ISA-60079-15 (12.12.02)-2009)

This standard specifies requirements for the construction, testing and marking for Group II electrical equipment with type of protection "n" intended for use in explosive gas atmospheres. This standard applies to electrical equipment where the rated voltage does not exceed 15 kV rms ac or dc. This standard is applicable to non-sparking electrical equipment and also to electrical equipment with parts or circuits producing arcs or sparks or having hot surfaces that, if not protected in one of the ways specified in this standard, could be capable of igniting a surrounding explosive gas atmosphere.

Single copy price: $300.00

Obtain an electronic copy from: ebrazda@isa.org

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

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

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

New National Adoption

INCITS/ISO/IEC 14651:2011, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering (identical national adoption of ISO/IEC 14651:2011 and revision of INCITS/ISO/IEC 14651:201x)

A reference comparison method. This method is applicable to two-character strings to determine their collating order in a sorted list. The method can be applied to strings containing characters from the full repertoire of ISO/IEC 10646. This method is also applicable to subsets of that repertoire, such as those of the different ISO/IEC 8-bit standard character sets, or any other character set, standardized or not, to produce ordering results valid (after tailoring) for a given set of languages for each script. This method uses collation tables derived either from the Common Template Table defined in ISO/IEC 14651:2011 or from one of its tailorings.

Single copy price: $172.00

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

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

Send comments (with copy to psa@ansi.org) to: Barbara Bennett, (202) 626 -5743, bbennett@itic.org

NSF (NSF International)

Revision

BSR/NSF 42-201x (i70), Drinking water treatment units- aesthetic effects (revision of ANSI/NSF 42-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

NSF (NSF International)

Revision

BSR/NSF 44-201x (i32), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

NSF (NSF International)

Revision

BSR/NSF 53-201x (i82), Drinking water treatment units - Health effects (revision of ANSI/NSF 53-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

NSF (NSF International)

Revision

BSR/NSF 55-201x (i32), Ultraviolet microbiological water treatment systems (revision of ANSI/NSF 55-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

NSF (NSF International)

Revision

BSR/NSF 58-201x (i57), Reverse osmosis drinking water treatment systems (revision of ANSI/NSF 58-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

NSF (NSF International)

Revision

BSR/NSF 62-201x (i21), Drinking water distillation systems (revision of ANSI/NSF 62-2012)

The proposed revision is to address TICs and unknown compounds that are found during extraction testing and to clarify the analytical method(s) to be used to evaluate these compounds.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=18343&wg_abbrev=dwtu_jc

Order from: Monica Leslie, (734) 827-5643, mleslie@nsf.org

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

PLASA (PLASA North America)

New Standard

BSR E1.33-201x, Entertainment Technology - (RDMnet) - Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks (new standard)

This standard describes a method of implementing ANSI E1.20, Remote Device Management, messaging over an IPv4 network. The primary anticipated use of the standard would be to complement ANSI E1.31 on an IPv4 entertainment lighting control network. This project was originally described as offering extensions to E1.31, but its messages work alongside E1.31 in the same network environment.

Single copy price: Free

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

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

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

PLASA (PLASA North America)

Revision

BSR E1.35-201x, Standard for Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (revision of ANSI E1.35-2007)

E1.35 describes a method for measuring stage and studio luminaire lens quality with particular emphasis on contrast and perceived image quality (sharpness). It also offers a way for presenting these results on a datasheet in a format that is readily understood by a typical end-user. The procedure specified in this draft is slightly different and more accurate than the procedure specified in the published 2007 edition.

Single copy price: Free

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

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

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

SBCA (Structural Building Components Association)

New Standard

BSR/SBCA FS 100-201x, Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (new standard)

This standard establishes wind pressure resistance requirements for Foam Plastic Insulating Sheathing (FPIS) products used as exterior wall sheathing, including use as continuous insulation in exterior wall covering assemblies for the purpose of demonstrating wind pressure performance. This includes performance testing, analysis, and quality control procedures.

Single copy price: Free

Obtain an electronic copy from: sbcindustry.com/fs100draft

Order from: Anna Stamm, 608-310-6719, info@sbcindustry.com

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1040-2001 (R201x), Standard for Safety for Fire Test of Insulated Wall Construction (reaffirmation of ANSI/UL 1040-2001 (R2007))

The following is being proposed:

(1) Reaffirmation and continuance of the first edition of the Standard for Fire Test of Insulated Wall Construction, UL 1040, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 2044-2004 (R201x), Standard for Safety for Commercial Closed-Circuit Television Equipment (reaffirmation of ANSI/UL 2044-2004 (R2008))

Standard UL 2004 covers the following products:

(a) Closed-circuit television equipment such as video tape recorders; video-receiving, -processing, -recording, -producing, and -amplification equipment; video cameras; and the like;

(b) Auxiliary equipment and accessories intended for use with closed-circuit television systems;

(c) Portable closed-circuit television equipment of the types described intended for use with a vehicular, marine, or any other battery circuit as the power supply means.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

Comment Deadline: October 23, 2012

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ASSE (ASC A10) (American Society of Safety Engineers)

Revision

BSR ASSE A10.31-201X, Safety Requirements, Definitions and Specifications for Digger Derricks (revision of ANSI ASSE A10.31-2006)

This standard applies to special multipurpose vehicle-mounted machines, commonly known as digger derricks. These machines are primarily designed to accommodate components that dig holes, set poles, and position materials and apparatus.

Single copy price: $50.00

Obtain an electronic copy from: TFisher@ASSE.Org

Order from: Timothy Fisher, (847) 768-3411, TFisher@ASSE.Org

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 486C-201x, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2010)

This proposed new edition applies to single-polarity, hand- or tool-applied splicing wire and cable connectors intended for use with all alloys of copper, aluminum conductors, or copper-clad aluminum conductors, or all three.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (408) 754 -6743, Marcia.M.Kawate@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 486A-486B-201x, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2010)

This proposed new edition applies to single-polarity connectors for use with all alloys of copper or aluminum, or copper-clad aluminum conductors, or all three, for providing contacts between current-carrying parts.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (408) 754 -6743, Marcia.M.Kawate@ul.com

Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

ANSI/AISC 358-S1-2009, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications

ANSI/AISC 341s1-2005, Supplement No. 1 to the Seismic Provisions for Structural Steel Buildings

2012 ANNUAL REVISION CYCLE REPORT ON PROPOSALS COMMENT CLOSING DATE: September 23, 2012

The National Fire Protection Association, in cooperation with ANSI, has developed a procedure whereby the availability of the semi-annual NFPA Report on Proposals will be announced simultaneously by NFPA and ANSI for review and comment.

Disposition of all comments will be published in the semi-annual NFPA Report on Comments, a copy of which will automatically be sent to all commentors, and to others upon request. All comments for the 2013 Annual Revision Cycle Report on Proposals must be received by September 23, 2012.

The NFPA 2013 Annual Revision Cycle Report on Proposals contains the Reports listed below. If you wish to comment on these Reports they are available and downloadable from the NFPA Website at www.nfpa.org or request the 2013 Annual Revision Cycle Committee Report on Proposals (ROP13A) from the:

National Fire Protection Association
Publications/Sales Department
11 Tracy Drive
Avon, MA 02322

Please note that some documents in the Report on Proposals do not contain the complete text of standards that are being revised, reconfirmed, or withdrawn. The full text of the standard is available from NFPA.

NFPA (National Fire Protection Association)

Revision

BSR/NFPA 25-201x, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (revision of ANSI/NFPA 25-2011)

This document establishes the minimum requirements for the periodic inspection, testing, and maintenance of water-based fire protection systems, including land-based and marine applications.

BSR/NFPA 51B-201x, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work (revision of ANSI/NFPA 51B-2009)

This standard shall cover provisions to prevent loss of life and property from fire or explosion as a result of hot work. Installation and operation of arc cutting and welding equipment and operation of gas cutting and welding equipment shall be in accordance with ANSI Z49.1, Safety in Welding, Cutting, and Allied Processes.

BSR/NFPA 56PS-201x, Standard for Fire and Explosion Prevention During Cleaning and Purging of Flammable Gas Piping Systems (revision of NFPA 56)

This standard shall apply to fire and explosion prevention during cleaning and purging activities for new and existing flammable gas piping found in electric-generating plants and in industrial, institutional, and commercial applications.

BSR/NFPA 58-201x, Liquefied Petroleum Gas Code (revision of ANSI/NFPA 58-2011)

This code applies to the storage, handling, transportation, and use of LP-Gas. General Properties of LP-Gas. Liquefied petroleum gases (LP-Gases), as defined in this code, are gases at normal room temperature and atmospheric pressure. They liquefy under moderate pressure and readily vaporize upon release of the pressure. It is this property that permits the transportation and storage of LP-Gases in concentrated liquid form, although they normally are used in vapor form.

BSR/NFPA 70-201x, National Electrical Code ® (revision of ANSI/NFPA 70 -2011)

This Code covers the installation of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for the following:
(1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings;
(2) Yards, lots, parking lots, carnivals, and industrial substations;
(3) Installations of conductors and equipment that connect to the supply of electricity; and
(4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center.

BSR/NFPA 77-201x, Recommended Practice on Static Electricity (revision of ANSI/NFPA 77-2007)

This recommended practice applies to the identification, assessment, and control of static electricity for purposes of preventing fires and explosions. This recommended practice does not apply directly to shock hazards from static electricity. However, application of the principles set forth in this recommended practice can reduce such shock hazards to personnel.

BSR/NFPA 96-201x, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations (revision of ANSI/NFPA 96-2011)

This standard shall provide the minimum fire safety requirements (preventative and operative) related to the design, installation, operation, inspection, and maintenance of all public and private cooking operations. This standard shall apply to residential cooking equipment used for commercial cooking operations. This standard shall not apply to cooking equipment located in a single dwelling unit. This standard shall not apply to facilities where all of the following are met:
(1) Only residential equipment is being used;
(2) Fire extinguishers are located in all kitchen areas in accordance with NFPA 10, Standard for Portable Fire Extinguishers;
(3) The facility is not an assembly occupancy; and
(4) The authority having jurisdiction has approved the installation.

BSR/NFPA 130-201x, Standard for Fixed Guideway Transit and Passenger Rail Systems (revision of ANSI/NFPA 130-2010)

This standard shall cover life safety from fire and fire protection requirements for underground, surface, and elevated fixed guideway transit and passenger rail systems, including but not limited to stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, control systems, and vehicle storage areas. Fixed guideway transit and passenger rail stations shall pertain to stations accommodating only passengers and employees of the fixed guideway transit and passenger rail systems and incidental occupancies in the stations. This standard establishes minimum requirements for each of the identified subsystems.

BSR/NFPA 306-201x, Standard for the Control of Gas Hazards on Vessels (revision of ANSI/NFPA 306-2009)

This standard applies to vessels that carry, or burn as fuel, flammable or combustible liquids. It also applies to vessels that carry or have carried flammable compressed gases, flammable cryogenic liquids, chemicals in bulk, or other products capable of creating a hazardous condition. This standard describes the conditions required before a space can be entered or work can be started, continued, or started and continued on any vessel under construction, alteration, or repair, or on any vessel awaiting shipbreaking. This standard applies to cold work, application or removal of protective coatings, and work involving riveting, welding, burning, or similar fire-producing operations. This standard applies to vessels while in the United States, its territories and possessions, both within and outside of yards for ship construction, ship alteration, ship repair, or shipbreaking.

BSR/NFPA 403-201x, Standard for Aircraft Rescue and Fire-Fighting Services at Airports (revision of ANSI/NFPA 403-2009)

This standard contains the minimum requirements for aircraft rescue and fire-fighting (ARFF) services at airports. Requirements for other airport fire protection services are not covered in this document.

BSR/NFPA 412-201x, Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment (revision of ANSI/NFPA 412-2009)

This standard establishes test procedures for evaluating the foam fire-fighting equipment installed on rescue and fire-fighting vehicles designed in accordance with the applicable portions of NFPA 414.

BSR/NFPA 502-201x, Standard for Road Tunnels, Bridges, and Other Limited Access Highways (revision of ANSI/NFPA 502-2011)

This standard provides fire protection and fire life safety requirements for limited access highways, road tunnels, bridges, elevated highways, depressed highways, and roadways that are located beneath air-tight structures. This standard establishes minimum requirements for each of the identified facilities. This standard does not apply to the following facilities:
(1) Parking garages;
(2) Bus terminals;
(3) Truck terminals; and
(4) Any other facility in which motor vehicles travel or are parked.
This standard is applicable where a facility, including those specified in (1) through (4), is deemed appropriate by the authority having jurisdiction.

BSR/NFPA 610-201x, Guide for Emergency and Safety Operations at Motorsports Venues (revision of ANSI/NFPA 610-2009)

This guide addresses planning, training, personnel, equipment, and facilities as they relate to emergency and safety operations at motorsports venues.

BSR/NFPA 780-201x, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2011)

This document shall cover traditional lightning protection system installation requirements for the following:
(1) Ordinary structures;
(2) Miscellaneous structures and special occupancies;
(3) Heavy-duty stacks;
(4) Watercraft; and
(5) Structures containing flammable vapors, flammable gases, or liquids that give off flammable vapors. This document shall not cover lightning protection system installation requirements for electric generating, transmission, and distribution systems. This document shall not cover lightning protection system installation requirements for early streamer emission systems or charge dissipation systems.

BSR/NFPA 1002-201x, Standard for Fire Apparatus Driver/Operator Professional Qualifications (revision of ANSI/NFPA 1002-2009)

This standard identifies the minimum job performance requirements for career and volunteer fire fighters and fire brigade members who drive and operate fire apparatus.

BSR/NFPA 1021-201x, Standard for Fire Officer Professional Qualifications (revision of ANSI/NFPA 1021-2009)

This standard shall identify the minimum job performance requirements necessary to perform the duties of a fire officer and specifically identify four levels of progression.

BSR/NFPA 1026-201x, Standard for Incident Management Personnel Professional Qualifications (revision of ANSI/NFPA 1026-2009)

This standard shall identify the minimum job performance requirements (JPRs) for personnel performing roles within an all-hazard incident management system.

BSR/NFPA 1031-201x, Standard for Professional Qualifications for Fire Inspector and Plan Examiner (revision of ANSI/NFPA 1031-2009)

This standard shall identify the professional levels of performance required for fire inspectors and plan examiners, specifically identifying the job performance requirements necessary to perform as a fire inspector or a plan examiner.

BSR/NFPA 1033-201x, Standard for Professional Qualifications for Fire Investigator (revision of ANSI/NFPA 1033-2009)

This standard shall identify the professional level of job performance requirements for fire investigators.

BSR/NFPA 1123-201x, Code for Fireworks Display (revision of ANSI/NFPA 1123-2010)

This code shall apply to the following:
(1) Construction, handling, and use of fireworks and equipment intended for outdoor fireworks display; and
(2) Operation of the display.

BSR/NFPA 1143-201x, Standard for Wildland Fire Management (revision of ANSI/NFPA 1143-2009)

This standard provides minimum requirements to fire protection organizations on the management of wildland fire, including prevention, mitigation, preparation, and suppression.

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

BSR/AAMI/ISO 5841-2-201x, Implants for surgery - Cardiac pacemakers - Part 2: Reporting of clinical performance of populations of pulse generators or leads (identical national adoption of ISO 5841-2 (in development))

BSR/AAMI/ISO 25539-2-201x, Cardiovascular implants - Endovascular devices - Part 2: Vascular stents (identical national adoption of ISO 25539-2 and revision of ANSI/AAMI/ISO 25539-2-2008)

ASSE (ASC A10) (American Society of Safety Engineers)

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Contact: *Timothy Fisher*

Phone: (847) 768-3411

Fax: (847) 296-9221

E-mail: TFisher@ASSE.org

BSR ASSE A10.31-201X, Safety Requirements, Definitions and Specifications for Digger Derricks (revision of ANSI ASSE A10.31 -2006)

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

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

Contact: *Barbara Bennett*

Phone: (202) 626-5743

Fax: (202) 638-4922

E-mail: bbennett@itic.org

BSR/INCITS/ISO/IEC 18023-1-2006/Amd 1-201x, Information technology - SEDRIS - Part 1: Functional specification - Amendment 1 (identical national adoption of ISO/IEC 18023-1:2006/Amd 1:2012)

INCITS/ISO/IEC 18023-3:2006/Amd 1:2012, Information technology - SEDRIS - Part 3: Transmittal format binary encoding - Amendment 1 (identical national adoption of ISO/IEC 18023-3:2006/Amd 1:2012)

INCITS/ISO/IEC 18024-4:2006/Amd 1:2012, Information technology - SEDRIS language bindings - Part 4: C - Amendment 1 (identical national adoption of ISO/IEC 18024-4:2006/Amd 1:2012)

INCITS/ISO/IEC 14651:2011, Information technology - International string ordering and comparison - Method for comparing character strings and description of the common template tailorable ordering (identical national adoption of ISO/IEC 14651:2011 and revision of INCITS/ISO/IEC 14651-2008)

UL (Underwriters Laboratories, Inc.)

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

Contact: *Marcia Kawate*

Phone: (408) 754-6743

Fax: (408) 754-6743

E-mail: Marcia.M.Kawate@ul.com

BSR/UL 486C-201x, Standard for Safety for Splicing Wire Connectors (revision of ANSI/UL 486C-2010)

BSR/UL 486A-486B-201x, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2010)

BSR/UL 2044-2004 (R201x), Standard for Safety for Commercial Closed-Circuit Television Equipment (reaffirmation of ANSI/UL 2044 -2004 (R2008))

Call for Members (ANS Consensus Bodies)

CSA Group Seeking Experts for Alternative Energy Standards Development

CSA Group is seeking industry experts that have a minimum of 3 years industry experience to work on the development of standards for **liquefied natural gas components and fueling infrastructure.**

We are looking for help on the following standards committees:

B108 Technical Subcommittee on NGV Refuelling Stations Installation Code

SCOPE: The Technical Subcommittee shall be responsible for developing and maintaining the code that applies to natural gas fuelling stations that may be employed for fleet and public dispensing operations.

B109 Technical Subcommittee on Natural Gas for Vehicles Installation Code

SCOPE: The Technical Subcommittee shall be responsible for developing and maintaining the code related to the installation, servicing and repair of natural gas fuel systems on self-propelled vehicles for the provision of motive power.

If you are interested in learning more about writing safety standards on any of the listed committees, please contact Julie Cairns at Julie.cairns@csagroup.org or at 1-877-235-9791.

About CSA Group: CSA Group is an ANSI accredited standards developer and a solutions provider serving business, industry, government and consumers in the United States and Canada and the global marketplace.

As a solutions-oriented organization, we **develop standards** that address real needs, such as enhancing public safety and health, advancing the quality of life, helping to preserve the environment, and facilitating trade.

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.

ASTM (ASTM International)

Reaffirmation

ANSI/ASTM F765-1993 (R2012), Specification for Wildcats, Ship Anchor Chain (reaffirmation of ANSI/ASTM F765-1993 (R2006)): 8/15/2012

AWWA (American Water Works Association)

Revision

ANSI/AWWA C111/A21.11-2012, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings (revision and redesignation of ANSI/AWWA C111-2006): 8/16/2012

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 570-C-2012, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-B-2010): 8/16/2012

ANSI/TIA 1019-A-2012, Standard for Installation, Alteration and Maintenance of Antenna Supporting Structures and Antennas (revision of ANSI/TIA 1019-2004): 8/16/2012

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 412-2012, Standard for Safety for Refrigeration Unit Coolers (revision of ANSI/UL 412-2011): 8/16/2012

ANSI/UL 583-2012, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2010): 8/15/2012

ANSI/UL 583-2012a, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2010): 8/15/2012

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, 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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Jennifer Moyer*

Fax: (703) 276-0793

E-mail: jmoyer@aami.org

BSR/AAMI/ISO 5841-2-201x, Implants for surgery - Cardiac pacemakers - Part 2: Reporting of clinical performance of populations of pulse generators or leads (identical national adoption of ISO 5841-2 (in development))

Stakeholders: Manufacturers, regulators, clinicians.

Project Need: There is currently no national standard on clinical performance of pulse generators or leads.

Specifies requirements for reports on the clinical performance in humans of population samples of pulse generators or leads, intended for long-term implantation as cardiac pacemakers. It includes general requirements for all reports and supplementary requirements for reports on cumulative experience with devices and estimates of future clinical performance for devices, when appropriate.

API (American Petroleum Institute)

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

Contact: *Shail Ghaey*

Fax: (202) 682-8051

E-mail: ghaeys@api.org

BSR/API RP 100-1-201x, Hydraulic Fracturing Operations - Well Construction and Integrity (new standard)

Stakeholders: Operators, service suppliers, landowners.

Project Need: Standardizes HF practices, reduces redundancy.

The purpose of this document is to provide industry recommended practices for well construction and integrity for wells that will be hydraulically fractured. The information provided here will help to ensure that groundwater and the environment will be protected, while also enabling safe and economically viable development of oil and natural gas resources.

BSR/API RP 100-2-201x, Hydraulic Fracturing Operations - Fluid and Surface Aspects (new standard)

Stakeholders: Operators, service suppliers, landowners.

Project Need: Standardizes HF practices, reduces redundancy.

The purpose of this document is to identify and describe recommended practices used to minimize health, safety, environmental, surface, and societal impacts associated with hydraulic fracturing for onshore oil and gas development. This document also describes recommended practices for the acquisition, use, management of water; and management, treatment, and disposal of produced fluids. This document is intended to manage potential impacts on surface and ground water, air quality, soils, wildlife, other surface ecosystems, and affected communities

ASME (American Society of Mechanical Engineers)

Office: 3 Park Avenue, 20th Floor (20N2)
New York, NY 10016

Contact: *Mayra Santiago*

Fax: (212) 591-8501

E-mail: ANSIBox@asme.org

BSR/ASME HST-2M-201x, Performance Standard for Hand Chain Manually Operated Chain Hoists (revision of ANSI/ASME HST-2M -2010 (R2010))

Stakeholders: Construction, designers, military/government, consumer, shipping.

Project Need: Updates the information provided by the standard and updates the formatting of the document to reflect changes made in newer standards.

(a) This Standard establishes performance requirements for hand-chain manually operated chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads, using welded link-type load chain as a lifting medium, with one of the following types of suspension: (1) hook or clevis; (2) trolley.
(b) This Standard is applicable to hoists manufactured after the date on which this Standard is issued. Differential pulley and self-locking worm-drive-type hoists are not covered in this Standard.

BSR/ASME HST-5M-201x, Performance Standard for Air Chain Hoists (revision of ANSI/ASME HST-5M-1999 (R2010))

Stakeholders: Shipping, designers, heavy lifting, construction, transporters of materials.

Project Need: Updates the information provided by the standard and updates the formatting of the document to reflect changes made in newer standards.

(a) This Standard establishes performance requirements for air powered chain hoists for vertical lifting service involving material handling of freely suspended (unguided) loads using load chain of the roller or welded link types with one of the following types of suspension: (1) lug; (2) hook or clevis; (3) trolley.
(b) This Standard is applicable to hoists manufactured after the date on which this Standard is issued. It is not applicable to:
(1) damaged or malfunctioning hoists;
(2) hoists that have been misused or abused;
(3) hoists that have been altered without authorization of the manufacturer or a qualified person;
(4) hoists used for lifting or supporting people;
(5) hoists used for the purpose of drawing both the load and the hoist up or down the hoist's own load chain(s); or
(6) hoists used for marine and other applications as required by the Department of Defense (DOD).

ASTM (ASTM International)

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

Contact: *Jeff Richardson*

Fax: (610) 834-7067

E-mail: jrichard@astm.org

BSR/ASTM WK38675-201x, New Guide for Preferred Methods for Acceptance of Product (new standard)

Stakeholders: Quality and Statistics Industry.

Project Need: To encourage producers supplying goods and services to its consumers to submit efficient and effective process control (prevention) procedures in place of prescribed sampling requirements.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK38675.htm

BSR/ASTM WK38695-201x, New Specification for Polyvinyl Chloride (PVC) Schedule 40 Plastic Drain, Waste and Vent Pipe with a Cellular Core (new standard)

Stakeholders: Plastic Piping Systems Industry.

Project Need: This standard will cover co-extruded ABS plastic drain, waste and vent pipe made to Schedule 40 IPS and produced by the co-extrusion process with concentric inner and outer solid PVC layers and the core consisting of closed-cell cellular PVC.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK38695.htm

BICSI (Building Industry Consulting Service International)

Office: 8610 Hidden River Parkway
Tampa, FL 33637

Contact: *Jeff Silveira*

Fax: (813) 971-4311

E-mail: jsilveira@bicsi.org

BSR/BICSI 001-201x, Information Technology - Systems Design and Implementation - Best Practices for Educational Institutions and Facilities (revision of ANSI/BICSI 001-2009)

Stakeholders: Telecommunications and IT designers, consultants and project managers; telecommunications and IT technology installers, educational facilities and IT managers and staff.

Project Need: BICSI 001 is nearing its required review period. This standard will be revised and expanded to cover information technology systems design and installation in all types of educational facilities

This standard provides requirements, recommendations, and best practice for the design and implementation of information technology systems and its infrastructure for educational institutions and facilities. Educational facilities include, but are not limited to, public and private educational institutions and facilities serving primary, secondary, and post-secondary levels of education, nursery or pre-school facilities, and vocational training institutions.

ISA (ISA)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: *Ellen Fussell Policastro*

Fax: (919) 549-8288

E-mail: efussell@isa.org

BSR/ISA 71.04-201x, Environmental Conditions for Process Measurement and Control Systems: Airborne Contaminants (new standard)

Stakeholders: Users and manufacturers of electronic hardware.

Project Need: To classify airborne contaminants and biological influences that may affect electronic hardware, such as process measurement and control instruments, information technology telecommunications, networking and data center equipment, and electronic office equipment.

This standard covers airborne contaminants and biological influences that affect industrial process measurement and control equipment, electronic office equipment, and data center and network equipment.

BSR/ISA 107.1-201x, Industry Standard File Format for Revolution-Based Tip Timing Data (new standard)

Stakeholders: Gas turbine engine manufacturers and users.

Project Need: The purpose is to develop a standard for gas turbine instrumentation used to measure blade tip deflections during engine operation. The object of the specification is to provide common tools and agreed upon methods for testing different systems to the same standard.

The scope is to standardize the application of tip timing instrumentation including the acquisition and data processing of tip timing data.

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

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

Contact: *Barbara Bennett*

Fax: (202) 638-4922

E-mail: bbennett@itic.org

BSR/INCITS/ISO/IEC 18023-1-2006/Amd 1-201x, Information technology - SEDRIS - Part 1: Functional specification - Amendment 1 (identical national adoption of ISO/IEC 18023-1:2006/Amd 1:2012)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This is Amendment 1 to ISO/IEC 18023-1:2005, which addresses the concepts, syntax, and semantics for the representation and interchange of environmental data. It specifies:
- a data representation model for expressing environmental data;
- specifications of the data types and classes that together constitute the data representation model; and
- an application program interface that supports the storage and retrieval of environmental data using the data representation model.

INCITS/ISO/IEC 18023-3:2006/Amd 1:2012, Information technology - SEDRIS - Part 3: Transmittal format binary encoding - Amendment 1 (identical national adoption of ISO/IEC 18023-3:2006/Amd 1:2012)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This is Amendment 1 to ISO/IEC 18023-3:2006 that defines a binary encoding for DRM objects specified in ISO/IEC 18023-1 according to the abstract syntax specified in ISO/IEC 18023-2.

INCITS/ISO/IEC 18024-4:2006/Amd 1:2012, Information technology - SEDRIS language bindings - Part 4: C - Amendment 1 (identical national adoption of ISO/IEC 18024-4:2006/Amd 1:2012)

Stakeholders: ICT Industry.

Project Need: Adoption of this International Standard will be beneficial to the ICT industry.

This is Amendment 1 to ISO/IEC 18024-4:2006 that specifies a language-dependent layer for the C programming language. ISO/IEC 18023-1 specifies a language-independent application program interface (API) for SEDRIS. For integration into a programming language, the SEDRIS API is embedded in a language-dependent layer obeying the particular conventions of that language.

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Contact: *Ryan Franks*

Fax: 703-841-3371

E-mail: ryan.franks@nema.org

* BSR/NEMA WC 66/ICEA S-116-732-201x, Standard for Category 6 and 6A, 100 Ohm Individually Unshielded Twisted Pairs, Indoor Cables (With or Without an Overall Shield) for Use in LAN Communication Wiring Systems (new standard)

Stakeholders: Organizations and individuals active in the copper communication wire and cable industry.

Project Need: Standard has reached the end of its 10-year life.

This standards publication covers the minimum performance requirements for cables up to four pairs, with transmission characteristics specified up to 250 MHz for Category 6 cables and up to 500 MHz for Category 6A cables. These Category cables are intended for voice, text, data, video and image transmission and low voltage power supply (POE & POE+). The cables are categorized by electrical transmission characteristics based on existing system requirements and projected application needs determined by IEEE 802.3.

PLASA (PLASA North America)

Office: 630 Ninth Avenue, Suite 609
New York, NY 10036-3748

Contact: *Karl Ruling*

Fax: (212) 244-1502

E-mail: karl.ruling@plasa.org

BSR E1.19-201x, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry (revision of ANSI E1.19 -2009)

Stakeholders: Stage electricians, performers and their employers; specifiers and manufacturers of power distribution equipment in the entertainment industry

Project Need: The standard needs to be revised to incorporate new knowledge about effective use of GFCIs in the entertainment industry.

The project is intended to offer guidance, in accordance with existing applicable standards, on how to select, install, use, and maintain ground fault protection devices in the entertainment industry to protect persons from shock and persons and property from fire. The revisions are to incorporate new information about avoiding nuisance tripping and perhaps to offer new recommendations for GFP on higher ampacity circuits.

BSR E1.47-201x, Recommended Guidelines for Entertainment Rigging System Inspections (new standard)

Stakeholders: Rigging system inspectors, rigging system owners, stagehands and performers, insurance companies, occupational health and safety authorities.

Project Need: Rigging system inspections are recommended as a component of theatrical workplace safety programs, but there are currently no industry-accepted guidelines for inspection frequency, who conducts the inspection, how the inspection is conducted, and what should be included in reports. The lack of industry-accepted guidelines exists both for owner-conducted and third-party inspections.

The standard offers guidance on inspecting entertainment rigging systems, which are systems used to lift and support scenery, luminaires, and other equipment overhead in entertainment venues, such as theaters, video/film studios, amphitheaters, and arenas used for live performances or special events.

UL (Underwriters Laboratories, Inc.)

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

Contact: *Barbara Davis*

Fax: (408) 754-6722

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

BSR/UL 379-201x, Standard for Safety for Power Units for Fountain, Swimming Pool, and Spa Luminaires (new standard)

Stakeholders: AHJs; manufacturers of field-installed air-cooled transformers and dc output power supplies intended to supply fountain, swimming pool, and spa luminaires; manufacturers of fountain, swimming pool, and spa luminaires.

Project Need: To obtain national recognition of a standard covering field-installed air-cooled transformers and dc output power supplies intended to supply fountain, swimming pool, and spa luminaires in accordance with Article 680 of the National Electrical Code, NFPA 70.

These requirements will apply to field-installed air-cooled transformers and dc output power supplies intended to supply fountain, swimming pool, and spa luminaires in accordance with Article 680 of the National Electrical Code, NFPA 70. These requirements do not address designs that vary the magnitude of voltage or current on the output for signal or control purposes or designs that superimpose a signal on the output for control purposes area.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Contact: *Betty Holthouser*

Fax: (919) 547-6180

E-mail: betty.c.holthouser@ul.com

BSR/UL 2112-201x, Standard for Safety for Venting Systems for Use with Gas-Fired Direct Vent Appliances (new standard)

Stakeholders: Manufacturers of venting systems intended for venting, direct vented gas-fired appliances users and installers, construction industry.

Project Need: To attain a national ANSI standard covering cover venting systems intended for venting direct vented gas-fired appliances that comply with ANSI Z21 series Standards.

These requirements cover venting systems intended for venting direct-vented gas-fired appliances that comply with ANSI Z21 series Standards. The requirements covered by this Standard are intended to address the structural integrity supporting means, rain effects, and corrosion effects of the venting system. For wind effects, leakage, and clearance to combustible construction the appliance standard requirements shall be applied.

* BSR/UL 2158A-201x, Standard for Safety for Clothes Dryer Transition Duct (new standard)

Stakeholders: Manufacturers, users, builders, applicable code authorities and AHJs, and installers of transition duct to apply to clothes dryers intended for venting household and commercial clothes dryers, manufactures of residential and commercial clothes dryers.

Project Need: To attain a national ANSI standard covering requirements that apply to clothes dryer transition ducts intended for venting household and commercial clothes dryers.

These requirements apply to clothes dryer transition ducts intended for venting household and commercial clothes dryers. The ducts covered by these requirements are intended to connect a clothes dryer to an existing permanent duct provided as a part of the building structure. The duct is intended to vent lint and humid air from drying clothes.

* BSR/UL 2162-201x, Standard for Safety for Commercial Wood-Fired Baking Ovens - Refractory Type (new standard)

Stakeholders: Manufacturers, users, applicable code authorities and AHJs, and installers of commercial wood-fired ovens.

Project Need: To attain a national ANSI standard covering requirements that apply to commercial wood-fired ovens intended for use by commercial establishments for the purpose of cooking or baking food products utilizing solid wood fuel.

These requirements apply to commercial wood-fired ovens intended for use by commercial establishments for the purpose of cooking or baking food products utilizing solid wood fuel. These ovens utilize, as their primary enclosure, refractory materials.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

Contact: *Tim Corder*

Fax: (919) 547-6174

E-mail: William.T.Corder@ul.com

* BSR/UL 700X-201X, Standard for Sustainability for Household Appliances (new standard)

Stakeholders: Household appliance manufacturers and suppliers, environmental advocacy organizations, sustainability advocacy organizations, academia, consumers, government.

Project Need: There is a need to develop standards to assist manufacturers, retailers, and consumers in identifying and measuring the environmental performance of home appliances. We are anticipating a number of sustainability standards in this project that encompass major, portable and floor care electrical and gas-fueled appliances. The standards will be developed using a lifecycle approach to the appliance's environmental impact.

These standards will establish multi-attribute sustainability standards for household appliances, such as appliances for the kitchen, floor care, cleaning, laundry, personal care, air treatment, and room/portable air conditioning.

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, 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.

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

ANSI-Accredited Standards Developers Contact Information

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

AAMI
Association for the Advancement of Medical Instrumentation (AAMI)
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8263
Fax: (703) 276-0793
Web: www.aami.org

AGA (ASC Z380)
American Gas Association
400 N. Capitol Street, N.W.
Washington, DC 20001
Phone: (202) 824-7312
Fax: (202) 824-9122
Web: www.aga.org

AMCi
AMCinstitute
100 North 20th Street
4th Floor
Philadelphia, PA 19103-1443
Phone: (215) 564-3484 ext. 2268
Fax: (215) 963-9785
Web: www.amcinstitute.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

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

ASSE (Organization)
American Society of Sanitary Engineering
901 Canterbury Road, Suite A
Westlake, OH 44145-1480
Phone: (440) 835-3040
Fax: (440) 835-3488
Web: www.asse-plumbing.org

ASSE (Safety)
American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, IL 60018-2187
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.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

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

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-6303
Web: www.awwa.org

BICSI
Building Industry Consulting Service International
8610 Hidden River Parkway
Tampa, FL 33637
Phone: (813) 903-4712
Fax: (813) 971-4311
Web: www.bicsi.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

HPS (ASC N13)
Health Physics Society
1313 Dolley Madison Blvd, Suite 402
McLean, VA 22101
Phone: (703) 790-1745
Fax: (703) 790-2672
Web: www.hps.orghpspublications/standards.html

ISA (Organization)
ISA-The Instrumentation, Systems, and Automation Society
67 Alexander Drive
Research Triangle Park, NC 27709
Phone: (919) 990-9228
Fax: (919) 549-8288
Web: www.isa.org

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

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street, Suite 1752
Rosslyn, VA 22209
Phone: 703-841-3271
Fax: 703-841-3371
Web: www.nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169-7471
Phone: (617) 770-3000
Fax: (617) 770-3500
Web: www.nfpa.org

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

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

SBCA
Structural Building Components Association
6300 Enterprise Ln
Madison, WI 53719
Phone: 608-310-6719
Fax: 608-274-3329
Web: www.sbcindustry.com/

TIA
Telecommunications Industry Association
2500 Wilson Blvd.
Suite 300
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.
12 Laboratory Dr.
RTP, NC 27709
Phone: (919) 549-0973
Fax: (919) 549-0973
Web: www.ul.com/

Proposed Foreign Government Regulations

Call for Comment

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

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

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

Information Concerning

American National Standards

INCITS Executive Board

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

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum 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. Visit www.INCITS.org for more information regarding INCITS activities.

Calls for Members

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

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

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

ANSI Accredited Standards Developers

Administrative Reaccreditation

Electrical Apparatus Service Association (EASA)

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of the Electrical Apparatus Service Association (EASA), an ANSI Organizational Member, has been administratively approved under its recently revised operating procedures for documenting consensus on EASA-sponsored American National Standards, effective August 17, 2012. For additional information, please contact: Mr. Tom Bishop, P.E., Senior Technical Support Specialist, Electrical Apparatus Service Association, 1331 Baur Boulevard, St. Louis, MO 63132; phone: 314.993.1269; E-mail: tbishop@easa.com.

ANSI-ASQ National Accreditation Board (ANAB)

Public Comments Sought

Draft ANAB Accreditation Rule A, Accreditation Program for Avoidance of Counterfeit Electronic Parts Management Systems

Comment Deadline: September 23, 2012

Public comments are sought on draft ANAB Accreditation Rule A, Accreditation Program for Avoidance of Counterfeit Electronic Parts Management Systems. Interested parties are invited to login to EQM at http://anab.remoteauditor.com/ to download the document and comment on public ballot 1038. (Note: A username and password are required. If you do not have a username and password for EQM, go to http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx.) Please submit your comments no later than September 23, 2012.

Information Concerning

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 28 – *Petroleum products and lubricants*
ISO/TC 28/SC 7 – *Liquid biofuels*

ANSI has delegated the responsibility for the administration of the secretariats for ISO/TC 28 (Petroleum products and lubricants) and ISO/TC 28/SC 7 (Liquid biofuels) to ASTM International. ASTM International has advised ANSI of its intent to relinquish its role as delegated secretariat for both of the aforementioned ISO committees.

ISO/TC 28 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.

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 and/or ISO/TC 28/SC 7.

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

Organizations seeking information concerning the United States retaining the role of international secretariat may be obtained by contacting ANSI at isot@ansi.org by September 1, 2012. If there is no support for retaining the ISO/TC 28 secretariat and/or the ISO/TC 28/SC 7 secretariat in the United States, then ANSI will so advise the ISO Central Secretariat.

American National Standard

An American National Standard implies a consensus of those substantially concerned with its scope and provisions. This American National Standard is intended as a guide to aid the service provider, the consumer, and the general public. The existence of an American National Standard does not in any respect preclude anyone whether approving the Standard or not, from using processes not conforming to the Standard. American National Standards are subject to periodic review and users are cautioned to obtain the latest editions.

CAUTION NOTICE: This American National Standard is permitted to be revised or withdrawn at any time. The procedures of the American National Standards Institute require that an action be taken to reaffirm, revise, or withdraw this Standard no later than five years from the date of publication. Purchasers of American National Standards receive current information on all Standards by calling or writing the American National Standards Institute.

Published by:
AMC Institute

Recent revision February 2012

Printed in the USA

This AMC Standard was developed by AMC Institute. The American National Standards Institute (ANSI) recognized AMC Institute as the AMC Standard Developer on March 28, 2000. ANSI approved the AMC Institute AMC Standard in April 2002 and re-approved the revised AMC Institute AMC Standard in May 2008.

Foreword

(This Foreword is not a Part of ANSI/AMCI A100.1-2002)

Members of AMC Institute have developed a Standard of Good Practices for the Association Management Company industry. The purpose of this Standard is two-fold: (1) to collectively enhance management practices across Association Management Companies (AMCs) and (2) to assist AMCs in the establishment of internal quality service systems.

AMCs that conform to the Standard communicate to present and prospective association clients — as well as the marketplace at large - a commitment and ability to deliver the highest services to clients as demonstrated in their performance polices, and procedures.

Further, AMC Institute offers an AMC Accreditation Program closely linked to this Standard. AMCs that can demonstrate the adoption and good use of internal quality service systems, from policy statements to clearly outlined performance requirements and procedures, are eligible to apply for AMC Institute Accreditation.

AMC Institute will take into consideration the request for appropriate revisions to this Standard. Requested changes will be vetted through the AMC Institute Standard Advisory Task Force and through a public review process as per AMC Institute's Standard Procedures and ANSI's Essential Requirement Procedures. AMC Institute's Standard Advisory Task Force will also review any requests for interpretations or appeals related to the Standard.

The first two sections (Scope and Definitions) are meant as background information to serve as a guide for sections 3 through 13.

1. Scope

1.1 This Standard establishes requirements that provide a measurement for practices that are utilized by all sizes and types of Association Management Companies (AMCs) in order to enhance the performance of the AMC and its staff.

1.2 This Standard establishes requirements that each individual AMC is permitted to use to create its own measurables. An AMC's compliance with this Standard will depend on its adoption and implementation of its own definitions, procedures, and policies as they relate to each element in this Standard.

2. Definitions

2.1 Association Management Company (AMC): A for-profit professional service company that manages two or more associations, societies, foundations, or other types of organizations.

2.2 Client Team: Employees of an AMC who work together with a particular client or clients.

2.3 Performance Policy Statement: A compilation of documents adopted by an AMC containing the procedures it has in place, which will cause it to be in conformance with this Standard.

2.4 Performance Service Systems are internal processes (described in sections 3 through 12 of this document) that must be developed, documented, and operational by an AMC. When these systems are in place, an AMC:

2.4.1 Ensures that a client's needs are identified and the services to be provided by the AMC are agreed upon by the AMC and the client;

2.4.2 Requires regular feedback from clients;

2.4.3 Provides ~~for understanding and~~ a prompt response to clients' needs and reasonable requests;

2.4.4 Supports a staff personnel training and development program;

2.4.5 Fosters an organizational culture embracing professional performance attributes; and

2.4.6 Controls costs, improves efficiency, and promotes prompt performance of quality services to the client.

3. Client Contracts: Review Procedures and Requirements

3.1 AMCs shall maintain written agreements with their clients whenever feasible:

3.2 AMCs shall adopt client contract review procedures, which shall ensure that all contractual requirements are acceptable to the client and the AMC before the AMC agrees to provide services to the client. This includes written service commitments ensuring that service and service delivery processes meet the client's needs and expectations.

3.3 AMCs shall adopt and document internal procedures to coordinate the periodic review of client contracts and their amendments.

3.4 AMCs shall adopt procedures specifying how client contracts are amended and ensuring that changes in the contract are communicated through the AMC organization.

3.5 AMCs shall establish transition procedures that at a minimum include the following:

3.5.1 A Time Table to include the closing or transferring of all accounts, shipment of client materials, and notification to members.

3.5.2 A list of clearly defined responsibilities of current management ~~AMC~~, volunteer leaders and new management.

3.5.3 Disclosed ~~Established~~ procedures as well as fees and charges for agreed upon services that may be rendered following termination.

3.5.4 A process and timeline for the shipment of materials in an organized manner, with clearly marked files.

3.5.5 The methodology to be used for timely notification to all vendors of management change.

3.5.6 Either immediately prior to, or immediately after the transfer of financial responsibilities to new management, there should be an agreed upon procedures engagement, or similar engagement, with an outside CPA to verify the value and existence of the assets, and liabilities transfer to the new management. If no procedures are authorized, a release in writing from the client Board that they will accept the financial records as transferred.

~~An outside audit by a CPA of the financial records immediately after the transfer of~~

~~financial responsibilities; or, if no audit is authorized, a release in writing from the client Board that they will accept the financial records as transferred.~~

3.6 AMCs shall address in their contracts the respective intellectual property rights of the client and the AMC, including with respect to:

3.6.1 Materials developed and customized specially for the client.

3.6.2 Pre-existing materials of the AMC adapted for use with the client.

4. Servicing the Clients and Service Delivery Procedures

4.1 AMCs shall establish service policies and service delivery systems that include the following characteristics.

4.1.1 Quantity and types of services to be provided;

4.1.2 Competence and knowledge of staff servicing the client;

4.1.3 Service accessibility and availability;

4.1.4 Service speed and accuracy;

4.1.5 Ability to increase and expand services for the client with appropriate staff;

4.1.6 Ensure that the client is the focal point of the policy;

4.1.7 Emphasize the importance of customer satisfaction;

4.1.8 Provide an internal communication policy that emphasizes performance of service;

4.1.9 Measure the performance of the service and service delivery processes against established objectives;

4.1.10 Establish methods to improve performance.

4.2 AMCs shall establish responsibilities owed to the client and assign authority to staff for implementation.

4.3 AMCs shall establish a system of internal communication including, as appropriate, briefings, meetings, memos, email, reports, and telephone conversations with staff on the client team.

4.4 AMCs shall establish a system of communication with clients including staff communication and interaction, reaction to client expectations and comments, and information about the AMC and the services being provided.

4.5 AMCs shall establish procedures to correct or prevent failures to perform as they are identified by the client or the AMC.

4.6 AMCs shall establish service policies and procedures for advising and assisting clients in the protection of their intellectual property, including at a minimum:

4.6.1 Guidelines for identifying and managing key intellectual property assets;

4.6.2 Methods for securing ownership transfer or licensing commitments from members participating in the preparation of client association offerings , as wellas from authors, presenters, and other persons; and

4.6.3 Guidance and assistance regarding the advisability of federal trademark and copyright registration.

4.7 AMCs shall evaluate and develop an internal policy and client policies for the use of social media appropriate to the size and needs of its clients.

5. Project (Service) Completion, Reviews, and Post-Contractual Procedures

5.1 AMCs shall adopt methods for clients to use to evaluate the performance of AMC services, including methods for measuring client satisfaction.

5.2 AMCs shall adopt an internal measuring system that evaluates service performance and provides a basis for identifying areas where performance needs improvement.

6. Financial Management and Internal Controls

6.1 AMCs shall establish procedures that ensure that the most recent year-end financial statements for each client present fairly, in all material respects, the financial position and changes in net assets, and that cash flows at year-end are in conformity with generally accepted accounting principles (GAAP) or other comprehensive basis of accounting (OCBOA) as determined by the American Institute of Certified Public Accountants or corresponding organization for internationally based AMCs.

6.2 AMCs shall establish procedures that ensure financial control and reporting systems, which conform to generally accepted accounting principles (GAAP) or other comprehensive basis of accounting (OCBOA), are in place and utilized as appropriate.

6.3 AMCs shall adopt a written policy that prohibits co-mingling of any and all client assets with AMC or any other client assets.

6.4 AMCs shall adopt written policies and procedures to protect the privacy and integrity of client's proceedings, records, and data.

6.5 AMCs shall adopt policies to ensure disclosure to clients of all income received from commissions,

finders' fees, and other sources directly attributable or related to such clients.

6.6 AMCs shall propose to Client Boards the need for an outside independent review or audit of all financial transactions and records by a qualified third party (CPA or non-US equivalent). The recommendation should be noted in the Board's formal minutes. If the Board approves the audit, it will be paid for by the Client.

6.7 AMCs shall propose to Client Boards the need for General Liability and Association Professional Liability Insurance (APLI) Policies; if declined, a release in writing from the client Board indicating that they declined to pay for this insurance coverage shall be executed.

6.8 AMCs should perform due diligence relative to PCI compliance related to the scope and scale of their business and that of their clients.

7. Insurance Coverage

7.1 AMCs shall have in place a comprehensive insurance program that provides the following minimum coverage where such coverage is available in the legal jurisdiction ~~state or country~~ where the AMC has its headquarters.

		Minimum Amount or Recommendation for AMC to determine amount based on the suggested criteria.
7.1.1	Commercial General Liability	$1,000,000
7.1.2	Property (including property in transit)	Full value of property
7.1.3	Valuable Papers	Full value to reconstruct
7.1.4	Employee Dishonesty	For both AMC and client property and funds
7.1.5	Money and Securities	For both the AMC and client funds, maximum amount of cash on hand, including convention receipts
7.1.6	Computer Equipment and Data	Full value of equipment and reconstruction of data
7.1.7	Non-Owned and Hired Auto Liability	$1,000,000
7.1.8	Worker's Compensation	Minimum amount based on each state's regulations
7.1.9	Errors and Omissions	$1,000,000

8. Employee Recruitment and Selection

8.1 AMCs shall adopt a procedure for creating, reviewing, and updating employee job descriptions, and shall adopt procedures for interviewing and assessing candidates for positions within the AMC.

8.2 AMCs shall adopt a procedure for exit interviews and personal assessments from departing employees.

9. Employee Training and Professional Development Procedures

9.1 AMCs shall adopt an evaluation procedure for all employees covering competencies, performance assessment, and professional development.

9.2 AMCs shall provide periodic internal training and/or external professional development in the following areas:

- 9.2.1 Process monitoring and control;
- 9.2.2 Data collection and analysis;
- 9.2.3 Performance improvement and corrective action;
- 9.2.4 Teamwork, interaction, and communications.

10. Subcontracting and Purchasing Requirements

10.1 AMCs shall adopt procedures to ensure that due diligence is exercised when purchasing products or services for clients and that they meet all service requirements.

10.2 AMCs shall adopt procedures to ensure that due diligence is exercised when preparing purchase or service orders and bid/quote documents for clients.

10.3 AMCs shall adopt procedures that permit the AMC or clients to verify acceptability of products or services purchased.

10.4 AMCs shall adopt procedures for evaluating the hiring of subcontractors, including the following:

- 10.4.1 The subcontractor's service procedures and facilities;
- 10.4.2 Samples of the subcontractor's products or services;
- 10.4.3 Experience other companies have had with the subcontractor.

10.5 AMCs shall adopt procedures to track and record the identity and use of products and services

provided by subcontractors and used by the AMC to service clients.

11. Record Keeping Requirements

11.1 AMCs shall adopt a records retention policy that identifies and defines the information and records that are to be retained and identifies what property, files, data, and materials are the property of the client.

11.2 AMCs shall adopt procedures to maintain and control a record-keeping system to:

11.2.1 Collect and record information (create records);

11.2.2 File, index, store, and maintain records;

11.2.3 Remove, archive, or destroy old records on a predetermined time basis;

11.2.4 Prevent records from being altered without approval of a designated authority;

11.2.5 Safeguard records from damage or deterioration;

11.2.6 Protect records from unauthorized access.

11.3 AMC's shall adopt a business continuity plan that will include at a minimum.

11.3.1 Procedures for the management of electronic back-up of software and electronic records;

11.3.2 Communications to inform staff, members, vendors, etc. about recovery plan

11.3.3 Building evacuation plan;

11.3.4 Options for temporary facility in the event current office(s) is (are) not available.

12. Internal Quality Control ~~Audit Procedural~~ Requirements

12.1 AMCs shall adopt periodic ongoing internal ~~audit~~ quality control procedures that:

12.1.1 Determine whether performance complies with the AMCs written plans, procedures, and programs;

12.1.2 ~~Verifies~~ Validate the effectiveness of the AMCs corrective actions.

12.1.3 ~~Audit~~ Confirm activities are appropriately planned;

12.1.4 Ensure internal ~~auditors~~ reviewers are independent of the procedures and people being ~~audited~~ reviewed and external auditors are recognized independent entities;

12.1.5 Demonstrate ~~Audit~~ quality control results, corrective actions, and corrective action results and consequences are appropriately recorded;

12.1.6 ~~Audit~~ Verify quality control conclusions are discussed with the people whose activities and results are being ~~audited~~ reviewed, and deficiencies are corrected;

12.1.7 Affirm copies of the ~~audit~~ quality control reports are kept on file for future reference in accordance with the records retention policy, but for not less than four years.

[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted or struck out text is within the scope of this ballot. Changes for Revision 2 are highlighted and italicized. Text from Revision 1 that has been removed is struck out and highlighted.]

NSF/ANSI Standard
for Drinking Water Treatment Units –

Glossary of drinking water treatment unit terminology

.
.
.

3 Definitions

.
.
.

X.X r**eporting limit (RL):** the ~~maximum~~ *minimum l*evel, for an undiluted sample, to which a laboratory may report a particular analyte as "Not Detected"."

X.X **method detection Limit (MDL *as defined in 40CFR136 Appendix B):*** the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte.

Reason: Revised per R. Herman's comments on ballot 330i3r1.

~~NOTE - Many times there is more to the analytical method than just doing a reaction or submitting it to direct analysis. For example it might be necessary to heat a sample that is to be analyzed for a particular metal with the addition of acid first (this is called **digestion**). The sample may also be diluted or concentrated prior to analysis on an instrument. Additional steps in an analysis add additional opportunities for error. Since detection limits are defined in terms of error, this will naturally increase the measured detection limit. This detection limit (with all steps of the analysis included) is called the MDL. The practical method for determining the MDL is to analyze 7 samples of concentration near the expected limit of detection. The standard deviation is then determined. The one-sided t distribution is determined and multiplied versus the determined standard deviation. For seven samples (with six degrees of freedom) the t value for a 99% confidence interval is 3.14. Rather than performing the complete analysis of seven identical samples, if the Instrument Detection Limit is known, the MDL may be estimated by multiplying the Instrument Detection Limit or Lower Level of Detection by the dilution prior to analyzing the sample solution on the instrument. This estimation, however, ignores any uncertainty that arises from performing the sample preparation and will therefore probably underestimate the true MDL.~~

*X.X **compounds of interest:** Compounds identified during the review of the product material formulations, which are to be searched for in the mass spectra results when identifying TICs.*

Reason: Added per J. Hebenstreit's comments on ballot 330i3r1.

~~X.X **instrument detection Limit (IDL):** the analyte concentration that is required to produce a signal greater than three times the standard deviation of the noise level.~~

~~X.X **level of quantitation (LOQ):** the limit at which the difference between two different values can be reasonably discerned.~~

> ~~NOTE - The LOQ can be drastically different between labs, therefore another detection limit that is commonly used is referred to as the **Practical Quantitation Limit** (PQL).~~

~~X.X **practical quantitation Limit** (PQL): 5 times the MDL.~~

Reason: Removed per J. Hebenstreit's comments on ballot 330i3r1.

X.X **target compounds** (targets): those analytes for which the analytical system has been specifically validated, and for the samples in question specifically calibrated in accordance with the referenced analytical procedure. Through this validation, the target compounds have well defined method recovery (accuracy) and reproducibility (precision) data.

X.X. **tentatively identified compound~~s~~** (TIC~~s~~): are those *analytes* which ~~can be~~*have been* detected by *mass spectrometry and identified without the use of an authentic standard for the compound.* ~~an analytical method but concentration cannot be confirmed without additional analytical testing. For instance, a gas chromatograph/mass spectrometer instrument can be calibrated to identify and quantify the concentrations of a number of target compounds. However, additional compound spectra may be detected for which an instrument was not calibrated. Their identity can be confirmed with a search of the spectral library of compounds to find a match, but the concentration cannot be confirmed without running a known standard of the tentative matched compound. Sometimes no good match for the compound can be found, so only the class of compound can be identified (i.e. it's an alkane).~~

> *NOTE: Identification can be supported through matching library spectra or though spectral interpretation, but verification can only be performed through the analysis of an authentic standard; verifying the retention time, spectrum, and concentration. If no authentic standard exists and there is no relevant spectrum to compare to and the spectrum is not sufficient enough to provide an identification through interpretation, then only a class of compound can be provided (e.g. alkane, hydrocarbon, etc.) as the identification.*

Reason: Revised per comments received from L. Trapp and R. Herman on ballot 330i3r1.

X.X **total allowable concentration (TAC):** The maximum concentration of a non-regulated contaminant permitted in a public drinking water supply as defined by Annex A of NSF/ANSI 61.

*XX. **unknown compound**: An analyte for which an identification cannot be determined. Information on chemical class, functional group(s), and chemical structure may be determined by spectral interpretation.*

Reason: Added definition per R. Herman's comment on ballot 330i3r1.

Reason: New language has been proposed in the DWTU standards to address TICs and unknown compounds that are found during extraction testing. Definitions have been added to define relevant terms used in the proposed language.

BSR/UL 796, Standard for Safety for Printed-Wiring Boards

1. Removal of Requirements for Thin Core Substrates (aka "Planar Capacitors") from "Embedded Components" in Table 20.9

Table 20.9

Test program for the addition of embedded capacitors and resistors in multilayer constructions[a, b]

Variation		Testing				
Embedded component construction	**Examples of technology used by industry**	**Evaluated per Section 11, UL 746E**	**Delamination and blistering**	**Flammability**	**Dissimilar material thermal cycling**	**UL 796 reference**
Adding embedded capacitors						
Screen printed	• $BaTiO_3$ in epoxy photo - dielectric	X	X	X	X	15, 17.5.3, and 17.8.1
	• $BaTiO_3$ in polyimide					
Thin film inorganic dielecrtrics ≤ 1 mic and ceramic paste	• SiO_2	-	X	-	-	15, 17.8.1
	• Al_2O_3					
	• TiO_2					
	• $BaTiO_3$					
Adding embedded resistors						
Etching thin film[c]	• Nickel/ phosphorus	-	X	-	-	15, 17.8.1
	• Nickel/ chromium					
	• Platinum alloy					
Plated	• Nickel Phosphide					
Screen printed	• Polymer thick films					
	• Ceramic paste					
	•					

	Conductive paste					

~~NOTES~~

~~1)~~ [a] All embedded components are limited to internal board use only. Additional testing may be required for embedded components on the external surface of the board (see 15.6).

~~2)~~ [b] The above test program assumes the printed-wiring board will be used in rigid end use applications only. Additional testing is required for flexible end use applications (see Standard for Flexible Materials Interconnect Constructions, UL 796F).

~~3) All "laminate like" dielectric capacitor and resistor material shall be previously~~ [c] Embedded resistor materials supplied on a copper clad core laminate shall have previously had the CCL with the resistor material applied evaluated to the applicable requirements in Standard for Polymeric Materials - Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed-Wiring Boards, UL 746E, Section 10, Ultrathin Laminate and Prepreg Test Program, or Section 11, Dielectric Materials Intended for use in Fabricating High Density Interconnect (HDI) Type Constructions, for Relative Thermal Index (RTI) and Performance Profile Indexing properties if the printed-wiring board is to be evaluated for a Maximum Operating Temperature (MOT) and Direct Support (DSR).

BSR/UL 1023, Standard For Safety for Household Burglar-Alarm System Units

PROPOSAL

(CURRENT)

~~Table 16.1~~

~~Minimum spacings~~

~~Point of application~~	~~Minimum spacings~~				
	~~Voltage range, volts~~	~~Through air,~~		~~Over surface,~~	
		~~inch~~	~~(mm)~~	~~inch~~	~~(mm)~~
~~To walls of enclosure:~~					
~~Cast metal enclosures~~	~~0 - 300~~	~~1/4~~	~~(6.4)~~	~~1/4~~	~~(6.4)~~
~~Sheet metal enclosures~~	~~0 - 50~~	~~1/4~~	~~(6.4)~~	~~1/4~~	~~(6.4)~~
	~~51 - 300~~	~~1/2~~	~~(12.7)~~	~~1/2~~	~~(12.7)~~
~~Installation wiring terminals:~~					
~~(General application)~~[a]	~~0 - 30~~	~~3/16~~	~~(4.8)~~	~~3/16~~	~~(4.8)~~
	~~31 - 150~~	~~1/4~~	~~(6.4)~~	~~1/4~~	~~(6.4)~~
	~~151 - 300~~	~~1/4~~	~~(6.4)~~	~~3/8~~	~~(9.5)~~
~~Installation wiring terminals, except solder-type terminals~~					
	~~0 - 30~~	~~1/8~~	~~(3.2)~~	~~1/8~~	~~(3.2)~~
	~~31 - 150~~	~~3/16~~	~~(4.8)~~	~~3/16~~	~~(4.8)~~
	~~151 - 300~~	~~1/4~~	~~(6.4)~~	~~1/4~~	~~(6.4)~~
~~Rigidly clamped assemblies:~~[b]					
~~100 volt-amperes maximum~~	~~0 - 30~~	~~1/32~~[c]	~~(0.8)~~	~~1/32~~[c]	~~(0.8)~~
~~Over 100 volt-amperes~~	~~0 - 30~~	~~3/64~~	~~(1.2)~~	~~3/64~~	~~(1.2)~~
	~~31 - 150~~	~~1/16~~	~~(1.6)~~	~~1/16~~	~~(1.6)~~
	~~151 - 300~~	~~3/32~~	~~(2.4)~~	~~3/32~~	~~(2.4)~~
~~Other parts~~	~~0 - 30~~	~~1/16~~	~~(1.6)~~	~~1/16~~	~~(1.6)~~
	~~31 - 150~~	~~1/8~~	~~(3.2)~~	~~1/4~~	~~(6.4)~~
	~~151 - 300~~	~~1/4~~	~~(6.4)~~	~~3/8~~	~~(9.5)~~

~~[a] Measurements are to be made with solid wire of adequate ampacity for the applied load connected to each terminal. In no case shall the wire be smaller than 18 AWG (0.82 mm^2).~~

~~[b] Rigidly clamped assemblies include such parts as contact springs on relays or cam switches, printed-wiring boards, and the like.~~

~~[c] Spacings less than those indicated are permitted for printed-wiring board traces of circuits involving integrated circuits and similar components where the spacing between adjacent connecting wires on the component is less than 1/32 inch (0.8 mm).~~

(PROPOSED)

Table 16.1

Minimum spacings

Point of application	Minimum spacings[a, b]				
	Voltage range[d], volts	Through air, inch	Through air, (mm)	Over surface, inch	Over surface, (mm)
To walls of enclosure:					
Cast metal enclosures	0 - 300	1/4	(6.4)	1/4	(6.4)
Sheet metal enclosures	0 - 50	1/4	(6.4)	1/4	(6.4)
	51 - 300	1/2	(12.7)	1/2	(12.7)
Installation wiring terminals[b]					
With barriers	0 - 30	1/8	(3.2)	3/16	(4.8)
	31 - 150	1/8	(3.2)	1/4	(6.4)
	151 - 300	1/4	(6.4)	3/8	(9.5)
Without barriers	0 - 30	3/16	(4.8)	3/16	(4.8)
	31 - 150	1/4	(6.4)	1/4	(6.4)
	151 - 300	1/4	(6.4)	3/8	(9.5)
Special application installation wiring terminals, except solder-type terminals (see 13.2)	0 - 30	1/8	(3.2)	1/8	(3.2)
	31 - 150	3/16	(4.8)	3/16	(4.8)
	151 - 300	1/4	(6.4)	1/4	(6.4)

Rigidly clamped assemblies:[c]					
100 volt-amperes maximum	0 - 30	1/32[e]	(0.8)	1/32[e]	(0.8)
Other parts, except motors	0 - 30	3/64	(1.2)	3/64	(1.2)
	31 - 150	1/16	(1.6)	1/16	(1.6)
	151 - 300	3/32	(2.4)	3/32	(2.4)
Other parts					
	0 - 30	1/16	(1.6)	1/8	(3.2)
	31- 150	1/8	(3.2)	1/4	(6.4)
	151 - 300	1/4	(6.4)	3/8	(9.5)

[a]An insulating liner or barrier of vulcanized fiber, varnished cloth, mica, phenolic composition, or similar material used where spacings would otherwise be insufficient, shall not be less than 0.028 inch (0.71 mm) thick; except that a liner or barrier not less than 0.013 inch (0.33 mm) thick may be used in conjunction with an air spacing of not less than one-half of the through-air spacing required. The liner shall be located so that it will not be affected adversely by arcing. Insulating material having a thickness less than that specified may be used if it is suitable for the particular application.

[b] Measurements are to be made with solid wire of adequate ampacity for the applied load connected to each terminal. The wire shall not be smaller than No. 18 AWG (0.82 mm^2).

[c] Rigidly clamped assemblies include such parts as contact springs on relays or cam switches, printed-wiring boards, and the like.

[d]These are rms values. Equivalent direct current or peak voltages 42.4 volts for 30 volts rms, 212 volts for 150 volts rms, and 424 volts for 300 volts rms.

[e] Spacings less than those indicated are permitted for printed-wiring board traces of circuits involving integrated circuits and similar components where the spacing between adjacent connecting wires on the component is less than 1/32 inch (0.8 mm).