

## Contents

### American National Standards

<b>Call for Comment on Standards Proposals</b> .....	2
<b>Call for Comment Contact Information</b> .....	6
<b>Call for Members (ANS Consensus Bodies)</b> .....	8
<b>Final Actions</b> .....	10
<b>Project Initiation Notification System (PINS)</b> .....	12

### International Standards

<b>ISO Draft Standards</b> .....	15
<b>ISO Newly Published Standards</b> .....	16
<b>Proposed Foreign Government Regulations</b> .....	18
<b>Information Concerning</b> .....	19
<b>Standards Action Publishing Schedule for 2010</b> .....	31

## 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

## Comment Deadline: January 10, 2010

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 558-201x, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2008a)

Revises the wiring requirements.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@us.ul.com

BSR/UL 583-201x, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2007)

Revises the wiring requirements, Section 8.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@us.ul.com

BSR/UL 719-201x, Standard for Safety for Nonmetallic-Sheathed Cables (revision of ANSI/UL 719-2007a)

Adds flat, non-cabled, 3-conductor, Type NM cable.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Camille Alma, (631) 271-6200, Camille.A.Alma@us.ul.com

BSR/UL 746C-201x, Standard for Safety for Polymeric Materials - Use in Electrical Equipment Evaluations (revision of ANSI/UL 746C-2009b)

Deletes Table 34.1 for Generic Thermal Indices.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Raymond Suga, (631) 546-2593, Raymond.M.Suga@us.ul.com

BSR/UL 1286-201x, Standard for Safety for Office Furnishings (revision of ANSI/UL 1286-2009b)

Clarifies requirements for relays and for energy management equipment.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Susan Malohn, (847) 664-1725, Susan.P.Malohn@us.ul.com

BSR/UL 1449-201x, Standard for Surge Protective Devices (revision of ANSI/UL 1449-2009b)

Covers: (1) Minimum and maximum wire length; and (2) 8X20 waveform calibration for I (n) test.

[Click here to see these changes in full, or look at the end of "Standards Action."](#)

Send comments (with copy to BSR) to: Mitchell Gold, (847) 664-2850, Mitchell.Gold@us.ul.com

## Comment Deadline: January 25, 2010

### ACCA (Air Conditioning Contractors of America)

#### New Standards

BSR/ACCA 10 Manual SPS-201x, Mechanical Systems for Swimming Pools and Spas (Formerly titled "HVAC for Swimming Pools and Spas") (new standard)

Establishes the unique mechanical system design requirements for indoor pool and spa applications that include:

- Envelope moisture/thermal barriers;
- Design issues for humid spaces;
- Control space temperature;
- Humidity;
- Pressurization;
- IAQ;
- Ventilation;
- Conditioning of outdoor and makeup air;
- Htg. and clg. loads;
- Evaporation loads;
- Heat recovery;
- Water heating and water treatment;
- Equipment choices;
- Control options and operational strategies;
- supply-air CFM; and
- Distribution and duct systems.

Single copy price: Free @ <http://www.acca.org/ansi/>

Obtain an electronic copy from: [www.acca.org/ansi/](http://www.acca.org/ansi/) (Standard and Response Form)

Send comments (with copy to BSR) to: Dick Shaw, (231) 854-1488, dick.shaw@acca.org; standards-sec@acca.org

### ADA (American Dental Association)

#### Revisions

BSR/ADA Specification No. 1000-201x, Standard Clinical Data Architecture (revision of ANSI/ADA 1000-2001 (R2006))

Presents a standard logical data model and documentation for a clinical data architecture capable of supporting healthcare information systems and the interoperability of health information. This document describes the modeling method and conventions employed and presents the logical data model by subject area. The document identifies and describes those data structures needed to support the delivery of healthcare services to individuals and populations.

Single copy price: \$157.00

Obtain an electronic copy from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

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

## ASME (American Society of Mechanical Engineers)

### Revisions

BSR/ASME BPVC Section XI-201x, Rules for Inservice Inspection of Nuclear Power Plant Components (November 2009 meeting) (revision of ANSI/ASME BPVC 2007 Edition)

Provides requirements for in-service inspection and testing of light-water cooled nuclear power plants. The requirements identify:

- the areas subject to inspection;
- responsibilities;
- provisions for accessibility and inspectability;
- examination methods and procedures;
- personnel qualifications;
- frequency of inspection, record keeping and report requirements;
- procedures for evaluation of inspection results and subsequent disposition of results of evaluations; and
- repair/replacement activity requirements, including procurement, design, welding, brazing, defect removal, fabrication, installation, examination, and pressure testing.

Single copy price: Free

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

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

Send comments (with copy to BSR) to: Ryan Crane, (212) 591-7004, [craner@asme.org](mailto:craner@asme.org)

## ASQ (ASC Z1) (American Society for Quality)

### New National Adoptions

BSR/ISO/ASQ 9004-201x, Managing for the sustained success of an organization -- A quality management approach (identical national adoption of ISO 9004:2009)

Provides guidance to organizations to support the achievement of sustained success by a quality management approach. It is applicable to any organization, regardless of size, type and activity.

Single copy price: \$95.00

Order from: Jennifer Admussen, (800) 248-1946 ext. 7736, [standards@asq.org](mailto:standards@asq.org)

Send comments (with copy to BSR) to: [standards@asq.org](mailto:standards@asq.org)

## AWS (American Welding Society)

### Revisions

BSR/AWS D14.3/D14.3M-200x, Specification for Welding Earthmoving, Construction, and Agricultural Equipment (revision of ANSI/AWS D14.3/D14.3M-2005)

Provides standards for producing structural welds used in the manufacture and repair of earthmoving, construction, and agricultural equipment. Such equipment is defined as self-propelled, on- and off-highway machinery and associated implements. Manufacturer's responsibilities are presented as they relate to the welding practices that have been proven successful within the industry in the production of weldments on this equipment. Basic dimensional weld details are defined and interpreted for application throughout the document. Provisions are made to identify base metals used in these weldments.

Single copy price: \$52.00

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

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

Send comments (with copy to BSR) to: Andrew Davis, (305) 443-9353, Ext. 466, [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

### Addenda

BSR/AWS B2.1-1-019-94-AMD1-200x, Standard Welding Procedure Specification (WPS) for CO<sub>2</sub> Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, E70T-1 and E71T-1, As-Welded Condition (addenda to ANSI/AWS B2.1-1-019-2005)

Contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1-1/2 inch, using semiautomatic CO<sub>2</sub> shielded flux cored arc welding. This standard cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This WPS was developed primarily for plate and structural applications.

Single copy price: \$25.00

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

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

Send comments (with copy to BSR) to: Andrew Davis, (305) 443-9353, Ext. 466, [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

BSR/AWS B2.1-1-020-94-AMD1-200x, Standard Welding Procedure Specification (WPS) for 75% Ar/25% CO<sub>2</sub> Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, E70T-1 and E71T-1, As-Welded or PWHT Condition (addenda to ANSI/AWS B2.1-1-020-2005)

Contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1-1/2 inch, using semiautomatic Ar/CO<sub>2</sub> shielded flux cored arc welding. This standard cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for fillet and groove welds. This WPS was developed primarily for plate and structural applications.

Single copy price: \$25.00

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

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

Send comments (with copy to BSR) to: Andrew Davis, (305) 443-9353, Ext. 466, [adavis@aws.org](mailto:adavis@aws.org); [roneill@aws.org](mailto:roneill@aws.org)

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

### Reaffirmations

INCITS/ISO 19106-2004 (R201x), Geographic information - Part 6: Profiles (reaffirmation of INCITS/ISO 19106-2004)

Defines the concept of a profile of the ISO geographic information standards developed by ISO/TC 211 and to provide guidance for the creation of such profiles. Only those components of specifications that meet the definition of a profile contained herein can be established and managed through the mechanisms described in this International Standard. These profiles can be standardized internationally using the ISO standardization process. This document also provides guidance for establishing, managing, and standardizing at the national level (or in some other forum).

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

INCITS/ISO 19116-2004 (R201x), Geographic information - Positioning services (reaffirmation of INCITS/ISO 19116-2004)

Specifies the data structure and content of an interface that permits communication between position-providing device(s) and position-using device(s) so that the position-using device(s) can obtain and unambiguously interpret position information and determine whether the results meet the requirements of the use. A standardized interface of geographic information with position allows the integration of positional information from a variety of positioning technologies into a variety of geographic information applications, such as surveying, navigation and intelligent transportation systems.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

INCITS/ISO 19117-2005 (R201x), Geographic information - Portrayal (reaffirmation of INCITS/ISO 19117-2005)

Defines a schema describing the portrayal of geographic information in a form understandable by humans. This standard includes the methodology for describing symbols and mapping of the schema to an application schema.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

INCITS/ISO 19119-2005 (R201x), Geographic information - Services (reaffirmation of INCITS/ISO 19119-2005)

Identifies and defines the architecture patterns for service interfaces used for geographic information, defines its relationship to the Open Systems Environment model, presents a geographic services taxonomy and a list of example geographic services placed in the services taxonomy. This standard also prescribes how to create a platform-neutral service specification, how to derive conformant platform-specific service specifications, and provides guidelines for the selection and specification of geographic services from both platform-neutral and platform-specific perspectives.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

INCITS/ISO 19125-1-2004 (R201x), Geographic information - Simple feature access - Part 1: Common architecture (reaffirmation of INCITS/ISO 19125-1-2004)

Establishes a common architecture for geographic information and defines terms to use within the architecture. This document also standardizes names and geometric definitions for Types for Geometry.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

INCITS/ISO 19125-2-2004 (R201x), Geographic information - Simple feature access - Part 2: SQL option (reaffirmation of INCITS/ISO 19125-2-2004)

Specifies an SQL schema that supports storage, retrieval, query and update of simple geospatial feature collections via the SQL Call Level Interface (SQL/CLI) and establishes an architecture for the implementation of feature tables.

Single copy price: \$30.00

Obtain an electronic copy from: <http://webstore.ansi.org> or [incits.org](http://incits.org)

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

Send comments (with copy to BSR) to: Serena Patrick, (202) 626-5741, [spatrick@itic.org](mailto:spatrick@itic.org); [bbennett@itic.org](mailto:bbennett@itic.org)

## **NEMA (ASC C8) (National Electrical Manufacturers Association)**

### **Reaffirmations**

BSR/ICEA S-73-532/NEMA WC 57-2004 (R200x), Standard for Control, Thermocouple Extension, and Instrumentation Cables (reaffirmation of ANSI/ICEA S-73-532/NEMA WC 57-2004)

Applies to materials, construction, and testing of multiconductor control, thermocouple extension, and instrumentation cables rated up to and including 125 C.

Single copy price: \$110.00

Order from: Ben Biroshak, (703) 841-3276, [ben.biroshak@NEMA.com](mailto:ben.biroshak@NEMA.com)

Send comments (with copy to BSR) to: Same

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

### **Revisions**

BSR/UL 197-201x, Standard for Safety for Commercial Electric Cooking Appliances (Proposals dated 7-31-09 and 12-11-09) (revision of ANSI/UL 197-2004)

Provides revisions to Topic 7, 208/240 volt cord-connected appliances, in the proposal dated 7-31-09.

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 BSR) to: Jonette Herman, (919) 549-1479, [Jonette.A.Herman@us.ul.com](mailto:Jonette.A.Herman@us.ul.com)

BSR/UL 498-201x, Standard for Safety for Attachment Plugs and Receptacles (Proposal dated December 11, 2009) (revision of ANSI/UL 498-2009)

Covers:

- (1) Clarification to SD21.10 to address permitted attachment plug displacement;
- (2) Clarification of the definition of surface-mount receptacle;
- (3) Revision to allow two grounding terminals on self-contained receptacles;
- (4) Revision to allow for the use of other wiring systems with self-contained receptacles;
- (5) Clarification of test plug material requirements for the abrupt plug removal test;
- (6) Addition of office furnishings convenience receptacles to hospital-grade testing requirements;
- (7) Flammability testing of self-contained receptacles;
- (8) Flammability of polymeric materials.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to BSR) to: Patricia Sena, (919) 549-1636, [patricia.a.sena@us.ul.com](mailto:patricia.a.sena@us.ul.com)

BSR/UL 621-201x, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2005)

Adds and/or revises the requirements for:

- switches and controllers;
- cord sets and power supply cords;
- lampholders;
- power transformers;
- leakage current;
- alternate spacings;
- internal wiring;
- secondary circuits;
- motors and motor protection;
- glossary terms;
- nonmetallic materials; and
- fastener strength, input, burnout, strain relief, and temperature pressure tests.

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 BSR) to: Jeffrey Prusko, (847) 664-3416, [jeffrey.prusko@us.ul.com](mailto:jeffrey.prusko@us.ul.com)

### **Reaffirmations**

BSR/UL 2157-2004 (R201x), Standard for Safety for Electric Clothes Washing Machines and Extractors (reaffirmation of ANSI/UL 2157-2004)

Reaffirms the second edition of the Standard for Electric Clothes Washing Machines and Extractors, UL 2157.

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 BSR) to: Elizabeth Sheppard, (847) 664-3276, [Elizabeth.H.Sheppard@us.ul.com](mailto:Elizabeth.H.Sheppard@us.ul.com)

## **Projects Withdrawn from Consideration**

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

### **CEA (Consumer Electronics Association)**

BSR/CEA 852-A-200x, Tunneling Device Area Network Protocols Over Internet Protocol Channels (revision and redesignation of ANSI/CEA 852-2002)

# Call for Comment Contact Information

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The addresses listed in this section are to be used in conjunction with standards listed in Call for Comment. This section is a list of developers who have submitted standards for public review in this issue of *Standards Action* – it is not intended to be a list of all ANSI developers. Please send all address corrections to: Standards Action Editor, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or [standact@ansi.org](mailto:standact@ansi.org).

## Order from:

### **ADA (Organization)**

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611-2678  
Phone: (312) 440-2506

Fax: (312) 440-2529  
Web: [www.ada.org](http://www.ada.org)

### **ASME**

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

### **ASQ (ASC Z1)**

American Society for Quality  
600 N Plankinton Ave  
Milwaukee, WI 53203  
Phone: (414) 272-8575  
Fax: (414) 272-1734  
Web: [standardsgroup.asq.org](http://standardsgroup.asq.org)

### **AWS**

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126

Phone: (305) 443-9353  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **comm2000**

1414 Brook Drive  
Downers Grove, IL 60515

### **Global Engineering Documents**

Global Engineering Documents  
15 Inverness Way East  
Englewood, CO 80112-5704  
Phone: (800) 854-7179  
Fax: (303) 379-2740

### **NEMA (ASC C8)**

National Electrical Manufacturers  
Association  
1300 N. 17th Street  
Rosslyn, VA 22209  
Phone: (703) 841-3276  
Fax: (702) 841-3376  
Web: [www.nema.org](http://www.nema.org)

## Send comments to:

### **ACCA**

Air Conditioning Contractors of  
America  
2800 Shirlington Road, Suite 300  
Arlington, VA 22206  
Phone: (231) 854-1488  
Fax: (231) 854-1488  
Web: [www.acca.org](http://www.acca.org)

### **ADA (Organization)**

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611-2678  
Phone: (312) 587-4129  
Fax: (312) 440-2529  
Web: [www.ada.org](http://www.ada.org)

### **ASME**

American Society of Mechanical  
Engineers  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-7004  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### **ASQ (ASC Z1)**

American Society for Quality  
600 N Plankinton Ave  
Milwaukee, WI 53203  
Phone: (414) 272-8575  
Fax: (414) 272-1734  
Web: [standardsgroup.asq.org](http://standardsgroup.asq.org)

### **AWS**

American Welding Society  
550 N.W. LeJeune Road  
Miami, FL 33126  
Phone: (305) 443-9353, Ext. 466  
Fax: (305) 443-5951  
Web: [www.aws.org](http://www.aws.org)

### **ITI (INCITS)**

InterNational Committee for  
Information Technology  
Standards  
1101 K Street NW, Suite 610  
Washington, DC 20005  
Phone: (202) 626-5741  
Fax: (202) 638-4922  
Web: [www.incits.org](http://www.incits.org)

### **NEMA (ASC C8)**

National Electrical Manufacturers  
Association  
1300 N. 17th Street  
Rosslyn, VA 22209  
Phone: (703) 841-3276  
Fax: (702) 841-3376  
Web: [www.nema.org](http://www.nema.org)

### **UL**

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062  
Phone: (847) 664-3276  
Fax: (847) 313-3276  
Web: [www.ul.com/](http://www.ul.com/)

# Call for Members (ANS Consensus Bodies)

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

---

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

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Phone:** (631) 390-0215

**Fax:** (631) 390-0217

**E-mail:** sblaeser@aip.org; asastds@aip.org

BSR ASA S3.41-201x, Audible Emergency Notification and Evacuation Signal (revision and redesignation of ANSI ASA S3.41-1990 (R2008))

## AWWA (American Water Works Association)

**Office:** 6666 W. Quincy Ave  
Denver, CO 80235

**Contact:** Dawn Flancher

**Phone:** 303-347-6195

**Fax:** 303-795-7603

**E-mail:** dflancher@awwa.org

BSR/AWWA G4RW-200x, Water Reclamation Program Operation and Management (new standard)

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

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

**Contact:** Serena Patrick

**Phone:** (202) 626-5741

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

**E-mail:** spatrick@itic.org; bbennett@itic.org

INCITS/ISO 19106-2004 (R201x), Geographic information - Part 6: Profiles (reaffirmation of INCITS/ISO 19106-2004)

INCITS/ISO 19116-2004 (R201x), Geographic information - Positioning services (reaffirmation of INCITS/ISO 19116-2004)

INCITS/ISO 19117-2005 (R201x), Geographic information - Portrayal (reaffirmation of INCITS/ISO 19117-2005)

INCITS/ISO 19119-2005 (R201x), Geographic information - Services (reaffirmation of INCITS/ISO 19119-2005)

INCITS/ISO 19125-1-2004 (R201x), Geographic information - Simple feature access - Part 1: Common architecture (reaffirmation of INCITS/ISO 19125-1-2004)

INCITS/ISO 19125-2-2004 (R201x), Geographic information - Simple feature access - Part 2: SQL option (reaffirmation of INCITS/ISO 19125-2-2004)

## UL (Underwriters Laboratories, Inc.)

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

**Contact:** Elizabeth Sheppard

**Phone:** (847) 664-3276

**Fax:** (847) 313-3276

**E-mail:** Elizabeth.H.Sheppard@us.ul.com

BSR/UL 2157-2004 (R201x), Standard for Safety for Electric Clothes Washing Machines and Extractors (reaffirmation of ANSI/UL 2157-2004)



## Call for Members (ANS Consensus Bodies)

AWWA (American Water Works Association)

Office: 6666 W. Quincy Avenue  
Denver, CO 80235

Contact: Steven Posavec

Phone: 303-347-6175

Fax: 303-795-7603

E-mail: [sposavec@awwa.org](mailto:sposavec@awwa.org)

### Standards Committee #278 Softening and Conditioning Chemicals

B201 Soda Ash

B202 Quicklime and Hydrated Lime

B501 Sodium Hydroxide

B511 Potassium Hydroxide

B550 Calcium Chloride

### Standards Committee #334 Taste and Odor Control Chemicals

B512 Sulfur Dioxide

B601 Sodium Metabisulfite

B602 Copper Sulfate

B603 Permanganates

# 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.

## **AAMVA (American Association of Motor Vehicle Administrators)**

### **Revisions**

ANSI D20-2009, Data Dictionary for Traffic Record Systems (revision of ANSI D20-2002): 12/2/2009

## **AGA (ASC Z380) (American Gas Association)**

### **Addenda**

ANSI/GPTC Z380.1-2009, Addendum No. 2-2009, Guide for Gas Transmission and Distribution Piping Systems (addenda to ANSI/GPTC Z380.1-2003): 12/2/2009

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

### **Supplements**

ANSI/AISI S100-07/S1-2009, Supplement No. 1 to the North American Specification for the Design of Cold-Formed Steel Structural Members, 2007 Edition (supplement to ANSI/AISI S100-2007): 12/2/2009

## **AMCA (Air Movement and Control Association)**

### **Revisions**

ANSI/AMCA 520-2009, Laboratory Methods of Testing Actuators (revision of ANSI/AMCA 520-2004): 12/2/2009

## **API (American Petroleum Institute)**

### **New National Adoptions**

ANSI/API Spec 5CRA/ISO 13680, 1st Edition-2009, Specification for Corrosion Resistant Alloy Seamless Tubes for Use as Casing, Tubing and Coupling Stock (identical national adoption of ISO 13680:2000): 12/2/2009

ANSI/API Spec 6DSS, 2nd Edition/ISO 14723-2009, Specification on Subsea Pipeline Valves (identical national adoption of ISO 14723): 12/2/2009

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

### **New Standards**

ANSI/ASME B18.31.4M-2009, Threaded Rod (Metric Series) (new standard): 12/2/2009

ANSI/ASME EA-1-2009, Energy Assessment for Process Heating Systems (new standard): 12/2/2009

ANSI/ASME EA-2-2009, Energy Assessment for Pumping Systems (new standard): 12/2/2009

ANSI/ASME EA-3-2009, Energy Assessment of Industrial Steam Systems (new standard): 12/2/2009

## **ASSE (American Society of Sanitary Engineering)**

### **New Standards**

ANSI/ASSE 1055-2009, Performance Requirements for Chemical Dispensing Systems (new standard): 12/2/2009

## **CSA (CSA America, Inc.)**

### **Addenda**

ANSI Z83.7b-2009, American National Standard/CSA Standard for Gas-Fired Construction Heaters (same as CSA 2.14b) (addenda to ANSI Z83.7-2000 (R2005)): 12/8/2009

## **EIA (Electronic Industries Alliance)**

### **Reaffirmations**

ANSI/EIA 364-51A-2002 (R2009), Ice Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-51A-2002): 12/2/2009

ANSI/EIA 364-58A-2003 (R2009), Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-58A-2003): 12/2/2009

ANSI/EIA 364-96-2002 (R2009), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96-2002): 12/2/2009

ANSI/EIA 364-109-2003 (R2009), Loop Inductance Measurement Test Procedure for Electrical Connectors (1nH - 10 nH) (reaffirmation of ANSI/EIA 364-109-2003): 12/2/2009

## **EOS/ESD (ESD Association, Inc.)**

### **Revisions**

ANSI/ESD S5.3.1-2009, Electrostatic Discharge Sensitivity Testing - Charged Device Model (CDM) - Component Level (revision and redesignation of ANSI/ESD STM5.3.1-1999): 12/4/2009

## **IEEE (Institute of Electrical and Electronics Engineers)**

### **Reaffirmations**

ANSI/IEEE 802.15.2-2003 (R2009), Recommended Practice for Information Technology - Telecommunications and Information Exchange Between Systems - LAN/MAN - Specific Requirements - Part 15.2: Coexistence of Wireless Personal Area Networks with Other Wireless Devices Operating in Unlicensed Frequency Bands (reaffirmation of ANSI/IEEE 802.15.2-2003): 12/3/2009

ANSI/IEEE 1484.12.1-2002 (R2009), Standard for Learning Object Metadata (reaffirmation of ANSI/IEEE 1484.12.1-2002): 12/4/2009

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

### **Reaffirmations**

ANSI MH27.1-2003 (R2009), Specifications for Patented Track Underhung Cranes and Monorail Systems (reaffirmation of ANSI MH27.1-2003): 12/2/2009

ANSI MH27.2-2003 (R2009), Specifications for Enclosed Track Underhung Cranes and Monorail Systems (reaffirmation of ANSI MH27.2-2003): 12/2/2009

## **NECA (National Electrical Contractors Association)**

### **Revisions**

ANSI/NECA 408-2009, Standard for Installing and Maintaining Busways (revision of ANSI/NECA 408-2002): 12/2/2009

ANSI/NECA 409-2009, Standard for Installing and Maintaining  
Dry-Type Transformers (revision of ANSI/NECA 409-2002):  
12/2/2009

ANSI/NECA/FOA 301-2010, Standard for Installing and Testing Fiber  
Optic Cables (revision of ANSI/NECA/FOA 301-2004): 12/8/2009

## **RIA (Robotics Industries Association)**

### ***Reaffirmations***

ANSI/RIA R15.06-1999 (R2009), Industrial Robots and Robot Systems  
- Safety Requirements (reaffirmation of ANSI/RIA R15.06-1999):  
12/8/2009

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

### ***Revisions***

ANSI/SCTE 38-8-2009, Hybrid Fiber/Coax Outside Plant Status  
Monitoring SCTE-HMS-DOWNLOAD-MIB Management Information  
Base (MIB) Definition (revision of ANSI/SCTE 38-8-2002):  
12/2/2009

## **SPRI (Single Ply Roofing Institute)**

### ***Revisions***

ANSI/SPRI RD-1-2009, Performance Standard for Retrofit Drains  
(revision of ANSI/SPRI RD-1-2003): 12/8/2009

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

### ***New Standards***

ANSI/UL 1004-6-2009, Standard for Safety for Servo and Stepper  
Motors (new standard): 12/3/2009

## **VITA (VMEbus International Trade Association (VITA))**

### ***New Standards***

ANSI/VITA 46.10-2009, Rear Transition Module for VPX (new  
standard): 12/8/2009

# Project Initiation Notification System (PINS)

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

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

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

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

**Office:** 35 Pinelawn Road, Suite 114E  
Melville, NY 11747

**Contact:** Susan Blaeser

**Fax:** (631) 390-0217

**E-mail:** [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

BSR ASA S3.41-201x, Audible Emergency Notification and Evacuation Signal (revision and redesignation of ANSI ASA S3.41-1990 (R2008))

Stakeholders: DOD, telecommunications industry, educators, administrators, manufacturing facilities management.

Project Need: To broaden this standard owing to recent consideration for addressing the unique needs of handicapped individuals and the increased concern and need for heightened personal safety.

Applies to an audible emergency notification and evacuation signal. This standard specifies three parameters of the signals, i.e., temporal pattern, sound pressure level, and intelligibility (in voice systems as required) at all places within the intended signal reception. The spectral content of the signal is not specified and should be selected to satisfy specific site requirements and/or regulations. It applies to the audible signal and not to the individual signaling system components.

## 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](mailto:ansibox@asme.org)

BSR/ASME V&V 40-201x, Standard for Verification and Validation in Computational Methods for Medical Devices (new standard)

Stakeholders: Users, manufacturers, designers, laboratories, academia, consultants, and government.

Project Need: To create a consensus standard covering this topic.

Provides the practices and procedures for verification and validation in computational methods for medical devices.

## 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](mailto:jrichard@astm.org)

BSR/ASTM WK26505-201x, New Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Water Distribution Pipe and Tubing (new standard)

Stakeholders: Plastic piping systems industry.

Project Need:

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK26505.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK26505.htm>

BSR/ASTM WK26546-201x, New Specification for Push-Fit Crosslinked Polyethylene (PEX) Mechanical Fittings for Crosslinked Polyethylene (PEX) Tubing (new standard)

Stakeholders: Plastic piping systems industry.

Project Need:

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK26546.htm>

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK26546.htm>

## CSA (CSA America, Inc.)

**Office:** 8501 E. Pleasant Valley Rd.  
Cleveland, OH 44131

**Contact:** Cathy Rake

**Fax:** (216) 520-8979

**E-mail:** [cathy.rake@csa-america.org](mailto:cathy.rake@csa-america.org)

BSR Z21.74b-201x, Portable Refrigerators for Use with HD-5 Propane Gas (addenda to ANSI Z21.74-1992 (R2006))

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

Project Need: To revise a Standard for Safety.

Covers gas-fired refrigerators, having refrigerated spaces for storage of foods with input ratings of 1000 Btu per hour (293 W) or less, and that are for use with HD 5 propane gas only. These refrigerators are intended for use both indoors in adequately ventilated structures, and outdoors. This standard applies to refrigerators designed for self-contained fuel supplies and using fuel cylinders of not more than 75 cubic inches (1230 cm<sup>3</sup>) (2-1/2 pounds nominal water capacity).

BSR Z21.99-201x, Mechanical Venting Systems (same as CSA B255) (new standard)

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

Project Need: To create a Standard for Safety.

Details test and examination criteria for mechanical venting systems, designed to form a section of the vent or vent connector for automatically operated gas-fired appliances, or oil-fired appliances; which also apply to venting devices that include mechanical means to provide combustion and/or ventilation air from the outdoors. Such devices may also include means to extract heat from the appliance venting system to preheat the incoming combustion and/or ventilation air.

BSR Z21.102-201x, Gas-Fired Humidifiers (same as CSA 2.40) (new standard)

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

Project Need: To create a Standard for Safety.

Details test and examination criteria for gas-fired humidifiers, for use with natural gas, liquefied petroleum gas, propane gas, and LP gas/air mixtures. This standard provides coverage only for gas-fired humidifiers that do not include a pressure-containing vessel.

#### RIA (Robotics Industries Association)

**Office:** P. O. Box 3724  
900 Victor's Way, Suite 140  
Ann Arbor, MI 48108-5210

**Contact:** Jeff Fryman

**Fax:** (734) 994-3338

**E-mail:** jfryman@robotics.org

BSR/RIA R15.06-201x, Robots and Robotic Devices - Safety Requirements (national adoption with modifications and revision of ANSI/RIA R15.06-1999 and ANSI/RIA/ISO 10218-1-2007)

Stakeholders: Industrial robot manufacturers, system integrators, installers and users in industrial settings.

Project Need: To update and enhance the safety of personnel associated with the use of industrial robots.

Specifies personnel safety requirements for industrial robots and industrial robot systems and assigns responsibilities to appropriate stakeholders. This standard helps identify and describe hazards and provides requirements to eliminate or adequately reduce the risks associated with these hazards by inherent safe design, protective measures and information for use.

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

**Office:** 140 Philips Road  
Exton, PA 19341-1318

**Contact:** Rebecca Quartapella

**Fax:** (610) 363-5898

**E-mail:** rquartapella@scte.org

BSR/SCTE 130-3-201x, Digital Program Insertion - Advertising Systems Interfaces - Part 3: Ad Management Service (ADM) Interface (revision of ANSI/SCTE 130-3-2009)

Stakeholders: Cable telecommunications industry.

Project Need: To update the standard to include current technology.

This document in conjunction with SCTE 130 Part 3, Extensible Markup Language (XML) schema document (i.e., the XSD document), defines the XML messages expressing placement opportunities, placement decisions, and placement-related event data typically exchanged between an Ad Management Service (ADM) and an Ad Decision Service (ADS).

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

**Office:** 12 Laboratory Drive  
Research Triangle Park, NC 27709

**Contact:** Valara Davis

**Fax:** (919) 547-6427

**E-mail:** Valara.Davis@us.ul.com

BSR/UL 60947-7-2-201x, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors (national adoption with modifications and revision of ANSI/UL 60947-7-2-2004)

Stakeholders: Manufacturers and users of protective conductor terminal blocks for copper conductors.

Project Need: To attain a national-based standard covering the construction and operation of protective conductor terminal blocks for copper conductors.

Covers protective conductor terminal blocks with PE function up to 120 mm<sup>2</sup> (250 kcmil) and for protective conductor terminal blocks with PEN function equal to and above 10 mm<sup>2</sup> (AWG (8) with screw-type or screwless-type clamping units, primarily intended for industrial applications.

#### VC (ASC Z80) (The Vision Council)

**Office:** 1700 Diagonal Road, Suite 500  
Alexandria, VA 22314

**Contact:** Amber Robinson

**Fax:** (703) 548-4580

**E-mail:** arobinson@thevisioncouncil.org

BSR Z80.30-201x, Toric Intraocular Lenses (new standard)

Stakeholders: Medical doctors and medical device manufacturers.

Project Need: To create minimum requirements for safe and effective intra-ocular lenses used to correct visual astigmatism.

Applies to any monofocal intraocular lens (IOL) whose primary indication is the reduction of astigmatism either with the correction of aphakia or the modification of the refractive power of a phakic eye. This standard does not include IOLs used to correct presbyopia

# 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
- AAMVA
- AGA
- AGRSS, Inc.
- ASC X9
- ASHRAE
- ASME
- ASTM
- GEIA
- HL7
- MHI (ASC MH10)
- NBBPVI
- NCPDP
- NISO
- NSF
- TIA
- Underwriters Laboratories, Inc. (UL)

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

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



# ISO Draft International Standards

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

## Comments

Comments regarding ISO documents should be sent to Henrietta Scully, at ANSI's New York offices. The final date for offering comments is listed after each draft.

## Ordering Instructions

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

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### **AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO/DIS 4150, Green coffee - Size analysis - Manual and machine sieving - 3/4/2010, \$58.00

ISO/DIS 6666, Coffee sampling - Triers for green and in parchment coffee - 3/4/2010, \$33.00

ISO/DIS 8455, Green coffee or raw coffee - Guidelines for storage and transport - 3/4/2010, \$33.00

ISO/DIS 24114, Instant coffee - Criteria for authenticity - 3/4/2010, \$33.00

ISO/DIS 24115, Green coffee - Procedure for correlation of moisture meters - Routine method - 3/4/2010, \$58.00

### **BUILDING CONSTRUCTION (TC 59)**

ISO/DIS 11863, Buildings and building-related assets - Functional and user requirements and performance in building - Tools for assessing and comparing functional performance - 3/4/2010, \$82.00

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

ISO 5658-2/DAmD1, Reaction to fire tests - Spread of flame - Part 2: Lateral spread on building and transport products in vertical configuration - 3/9/2010, \$29.00

### **GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)**

ISO/DIS 19148, Geographic information - Location based services - Linear referencing system - 3/4/2010, \$155.00

### **INDUSTRIAL TRUCKS (TC 110)**

ISO/DIS 2328, Fork-lift trucks - Hook-on type fork arms and fork arm carriages - Mounting dimensions - 3/8/2010, \$46.00

### **RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO/DIS 2878, Rubber, vulcanized - Antistatic and conductive products - Determination of electrical resistance - 3/4/2010, \$46.00

ISO/DIS 13226, Rubber - Standard reference elastomers (SREs) for characterizing the effect of liquids on vulcanized rubbers - 3/8/2010, \$93.00

### **THERMAL INSULATION (TC 163)**

ISO/DIS 12623, Thermal insulation products for building equipment and industrial installations - Determination of short-term water absorption by partial immersion of preformed pipe insulation - 3/5/2010, \$53.00

ISO/DIS 12624, Thermal insulation products - Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH - 3/5/2010, \$62.00

ISO/DIS 12629, Thermal insulation products for building equipment and industrial installations - Determination of water vapour transmission properties of preformed pipe insulation - 3/5/2010, \$58.00



# Newly Published ISO Standards

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

## AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 3093:2009, Wheat, rye and their flours, durum wheat and durum wheat semolina - Determination of the falling number according to Hagberg-Perten, \$80.00

ISO 11701:2009, Vegetable fats and oils - Determination of phospholipids content in lecithins by HPLC using a light-scattering detector, \$73.00

ISO 11702:2009, Animal and vegetable fats and oils - Enzymatic determination of total sterols content, \$57.00

ISO 12966-3:2009, Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 3: Preparation of methyl esters using trimethylsulfonium hydroxide (TMSH), \$43.00

ISO 22006:2009, Quality management systems - Guidelines for the application of ISO 9001:2008 to crop production, \$167.00

ISO 24333:2009, Cereals and cereal products - Sampling, \$116.00

## AIR QUALITY (TC 146)

ISO 16000-23:2009, Indoor air - Part 23: Performance test for evaluating the reduction of formaldehyde concentrations by sorptive building materials, \$116.00

ISO 16000-24:2009, Indoor air - Part 24: Performance test for evaluating the reduction of volatile organic compound (except formaldehyde) concentrations by sorptive building materials, \$98.00

ISO 21438-2:2009, Workplace atmospheres - Determination of inorganic acids by ion chromatography - Part 2: Volatile acids, except hydrofluoric acid (hydrochloric acid, hydrobromic acid and nitric acid), \$116.00

## BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO 10993-9:2009, Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products, \$65.00

## CINEMATOGRAPHY (TC 36)

ISO 26428-9:2009, Digital cinema (D-cinema) distribution master - Part 9: Image pixel structure level 3 - Serial digital interface signal formatting, \$65.00

ISO 26429-8:2009, Digital cinema (D-cinema) packaging - Part 8: Packing list, \$86.00

ISO 26429-9:2009, Digital cinema (D-cinema) packaging - Part 9: Asset mapping and file segmentation, \$92.00

ISO 26429-10:2009, Digital cinema (D-cinema) packaging - Part 10: Stereoscopic picture track file, \$65.00

ISO 26430-4:2009, Digital cinema (D-cinema) operations - Part 4: Log record format specification, \$86.00

ISO 26430-5:2009, Digital cinema (D-cinema) operations - Part 5: Security log event class and constraints, \$110.00

ISO 26430-6:2009, Digital cinema (D-cinema) operations - Part 6: Auditorium security messages for intra-theater communications, \$92.00

ISO 26430-9:2009, Digital cinema (D-cinema) operations - Part 9: Key delivery bundle, \$80.00

ISO 26433:2009, Digital cinema (D-cinema) - XML data types, \$92.00

## CORROSION OF METALS AND ALLOYS (TC 156)

ISO 21610:2009, Corrosion of metals and alloys - Accelerated corrosion test for intergranular corrosion susceptibility of austenitic stainless steels, \$86.00

## COSMETICS (TC 217)

ISO 10130:2009, Cosmetics - Analytical methods - Nitrosamines: Detection and determination of N-nitrosodiethanolamine (NDELA) in cosmetics by HPLC, post-column photolysis and derivatization, \$80.00

## DENTISTRY (TC 106)

ISO 1942:2009, Dentistry - Vocabulary, \$180.00

## EARTH-MOVING MACHINERY (TC 127)

ISO 7135:2009, Earth-moving machinery - Hydraulic excavators - Terminology and commercial specifications, \$135.00

## HOROLOGY (TC 114)

ISO 3159:2009, Timekeeping instruments - Wrist-chronometers with spring balance oscillator, \$49.00

## INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 16100-1:2009, Industrial automation systems and integration - Manufacturing software capability profiling for interoperability - Part 1: Framework, \$141.00

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

ISO 19901-6:2009, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 6: Marine operations, \$235.00

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

ISO 1452-1:2009, Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: General, \$73.00

ISO 1452-2:2009, Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes, \$104.00

ISO 1452-3:2009, Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 3: Fittings, \$135.00



ISO 1452-4:2009, Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 4: Valves, \$73.00

ISO 1452-5:2009, Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 5: Fitness for purpose of the system, \$80.00

#### **ROAD VEHICLES (TC 22)**

ISO 28741/Cor1:2009, Road vehicles - Spark-plugs and their cylinder head housings - Basic characteristics and dimensions - Corrigendum, FREE

#### **RUBBER AND RUBBER PRODUCTS (TC 45)**

ISO 2930:2009, Rubber, raw natural - Determination of plasticity retention index (PRI), \$57.00

#### **THERMAL INSULATION (TC 163)**

ISO 29804:2009, Thermal insulation products for building applications - Determination of the tensile bond strength of the adhesive and of the base coat to the thermal insulation material, \$57.00

#### **VACUUM TECHNOLOGY (TC 112)**

ISO 27894:2009, Vacuum technology - Vacuum gauges - Specifications for hot cathode ionization gauges, \$98.00

ISO 27895:2009, Vacuum technology - Valves - Leak test, \$73.00

#### **WELDING AND ALLIED PROCESSES (TC 44)**

ISO 18592:2009, Resistance welding - Destructive testing of welds - Method for the fatigue testing of multi-spot-welded specimens, \$135.00

### **ISO Technical Reports**

#### **DOCUMENT IMAGING APPLICATIONS (TC 171)**

ISO/TR 22957:2009, Document management - Analysis, selection and implementation of electronic document management systems (EDMS), \$141.00

#### **HEALTH INFORMATICS (TC 215)**

ISO/TR 12309:2009, Health informatics - Guidelines for terminology development organizations, \$49.00

### **ISO Technical Specifications**

#### **INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)**

ISO/TS 8000-130:2009, Data quality - Part 130: Master data: Exchange of characteristic data: Accuracy, \$37.00

ISO/TS 8000-140:2009, Data quality - Part 140: Master data: Exchange of characteristic data: Completeness, \$37.00

ISO/TS 29002-10:2009, Industrial automation systems and integration - Exchange of characteristic data - Part 10: Characteristic data exchange format, \$43.00

ISO/TS 29002-31:2009, Industrial automation systems and integration - Exchange of characteristic data - Part 31: Query for characteristic data, \$43.00

ISO/TS 29002-4:2009, Industrial automation systems and integration - Exchange of characteristic data - Part 4: Basic entities and types, \$37.00

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

ISO/IEC 7810/Amd1:2009, Identification cards - Physical characteristics - Amendment 1: Criteria for cards containing integrated circuits, \$16.00

ISO/IEC 12785-1:2009, Information technology - Learning, education, and training - Content packaging - Part 1: Information model, \$157.00

ISO/IEC 14165-321:2009, Information technology - Fibre Channel - Part 321: Audio-Video (FC-AV), \$193.00

ISO/IEC 14496-4/Amd37:2009, Conformance testing for MPEG-4 - Amendment 3: Additional file format conformance, \$16.00

ISO/IEC 14763-3/Amd1:2009, Information technology - Implementation and operation of customer premises cabling - Part 3: Testing of optical fibre cabling - Amendment 1, \$104.00

ISO/IEC 14776-326/Cor1:2009, Information technology - Small Computer System Interface (SCSI) - Part 326: Reduced Block Commands (RBC) - Corrigendum, FREE

ISO/IEC 15408-1:2009, Information technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model, \$167.00

ISO/IEC 24739-2:2009, Information technology - AT Attachment with Packet Interface - 7 - Part 2: Parallel transport protocols and physical interconnect (ATA/ATAPI-7), \$263.00

#### **OTHER**

ISO/IEC 31010:2009, Risk management - Risk assessment techniques, \$249.00

### **ISO/IEC JTC 1 Technical Reports**

ISO/IEC TR 29163-1:2009, Information technology - Sharable Content Object Reference Model (SCORM®) 2004 3rd Edition - Part 1: Overview Version 1.1, \$104.00

ISO/IEC TR 29163-2:2009, Information technology - Sharable Content Object Reference Model (SCORM®) 2004 3rd Edition - Part 2: Content Aggregation Model Version 1.1, \$263.00

ISO/IEC TR 29163-3:2009, Information technology - Sharable Content Object Reference Model (SCORM®) 2004 3rd Edition - Part 3: Run-Time Environment Version 1.1, \$249.00

ISO/IEC TR 29163-4:2009, Information technology - Sharable Content Object Reference Model (SCORM®) 2004 3rd Edition - Part 4: Sequencing and Navigation Version 1.1, \$263.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

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

# Information Concerning

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## American National Standards

### INCITS Executive Board

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

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum for information technology developers, producers and users to create and maintain 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 30+ 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 all membership categories:

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

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

## ANSI Accredited Standards Developers

### Approval of Accreditation

#### National Information Standards Organization (NISO)

ANSI's Executive Standards Council has approved the reaccreditation of the National Information Standards Organization (NISO), a full ANSI Organizational Member, under revised procedures for documenting consensus on proposed American National Standards, effective December 9, 2009. For additional information, please contact: Ms. Karen Wetzel, Standards Program Manager, NISO, One North Charles Street, Suite 1905, Baltimore, MD 21201; PHONE: (301) 654-2512; FAX: (410) 685-5278; E-mail: [kwetzel@niso.org](mailto:kwetzel@niso.org).

### Call for Participation

#### Revision of ANSI B65.1-2005, Graphic technology – Safety standard – Printing press systems, and ANSI B65.2-2005, Graphic technology – Safety requirements for binding and finishing equipment and systems

Work is under way to revise ANSI B65.1-2005, Graphic technology – Safety standard – Printing press systems, and ANSI B65.2-2005, Graphic technology – Safety requirements for binding and finishing equipment and systems. This work is open to anyone who has an interest. The committees are especially seeking users of these technologies to participate in this work. If you are interested in participating, contact Debbie Orf at NPES The Association for Suppliers for Printing, Publishing and Converting Technologies ([dorf@npes.org](mailto:dorf@npes.org)); (703) 264-7200.

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Scope Extensions

#### Compliance Certification Services (CCS)

#### Comment Deadline: January 12, 2010

Ms. Barbara Judge  
Vice President  
Compliance Certification Services (CCS)  
47173 Benicia Street  
Fremont, CA 94538  
Tel: 510-771-1000  
Fax: 510-661-0888  
[barbara.judge@ccsemc.com](mailto:barbara.judge@ccsemc.com)  
<http://www.ccsemc.com>

Compliance Certification Services (CCS), an ANSI-accredited certification body, has expanded its scope of ANSI accreditation to include the following:

- IDA TS UWB
- IDA TS WBA

Please send your comments by January 12, 2010 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org) or Nikki Jackson, Program Manager, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: [njackson@ansi.org](mailto:njackson@ansi.org).

## ICONTEC

**Comment Deadline: January 12, 2010**

ICONTEC  
CARRERA 37 52 – 95  
Bogotá, Colombia

ICONTEC, an ANSI accredited certification body, has extended its scope of ANSI accreditation to include the following scope:

### SCOPE(S)

- 29.130 High Voltage Switchgear and Controlgear
- 29.160 Rotating Machinery
- 29.240 Power Transmission and Distribution Networks
- 59.080 Products of Textile Industry
- 65.060 Agricultural Machines, Implements and Equipment
- 67.100 Milk and Milk Products
- 67.160 Beverages

Please send your comments by January 12, 2010 to Reinaldo Balbino Figueiredo, Program Director, Product Certifier Accreditation, American National Standards Institute, 1819 L Street, NW, 6th Floor, Washington, DC 20036, FAX: (202) 293-9287 or e-mail: [rfigueir@ansi.org](mailto:rfigueir@ansi.org)

## ANSI-ASQ National Accreditation Board (ANAB)

### Public Reviews

#### ANAB Accreditation Rule 9 on Compliance with Legislation and Regulatory Requirements

**Comment Deadline: January 17, 2010**

Public comments are sought on revised ANAB Accreditation Rule 9 on Compliance with Legislation and Regulatory Requirements. Interested parties are invited to login to EQM at <http://anab.remoteauditor.com/> to download the document and comment. (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](http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx).) Please submit your comments by January 17, 2010.

#### ANAB Accreditation Rule 20 on the ANAB Accreditation Program for Food Safety Management Systems

**Comment Deadline: January 17, 2010**

Public comments are sought on revised ANAB Accreditation Rule 20 on the ANAB Accreditation Program for Food Safety Management Systems. Interested parties are invited to login to EQM at <http://anab.remoteauditor.com/> to download the document and comment. (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](http://www.anab.org/UserRegistration/WebBallotUsers_Registration.aspx).) Please submit your comments by January 17, 2010.

# Information Concerning

## International Organization for Standardization (ISO)

### Call for Administrator and formation of an Accredited US Technical Advisory Group (TAG) for a potential ISO Committee on Asset Management

The August 28, 2009 issue of STANDARDS ACTION announced that BSI (United Kingdom) submitted to ISO a proposal for a series of three ISO standards on the subject of Asset Management, with the following scope statements for each:

#### **Asset management – Overview, principles and terminology**

This International Standard provides:

- a) an overview of the asset management family of standards;
- b) an introduction to asset management;
- c) a description of the underlying principles of asset management
- d) examples of the application of asset management principles,
- e) a brief description of the Plan-Do-Check-Act (PDCA) methodology and its application within the asset management standards; and
- f) details of the terms and definitions for use in the asset management family of standards.

This International Standard is applicable to all types of organization (e.g. commercial enterprises, government agencies, non-profit organizations), as well as to all sizes of organization (from small to medium enterprises through to multinationals).

This International Standard consists of guidance and recommendations and is not intended for certification, regulatory, or contractual use.

#### **Asset management – Requirements**

This International Standard specifies the requirements for an asset management system to optimally and sustainably manage physical assets and asset systems over their life cycles.

This International Standard is applicable to any organization that wishes to:

- a) establish an asset management system to optimally and sustainably manage its physical assets over their life cycles or over a defined long-term period;
- b) implement, maintain and improve the management of its assets;
- c) assure itself of conformity with its stated asset management policy and strategy,
- d) demonstrate conformity with this International Standard by
- e) making a self-determination and self-declaration, or
- f) seeking confirmation of its conformance by parties having an interest in the organization, such as customers, or
- g) seeking confirmation of its self-declaration by a party external to the organization, or
- h) seeking certification/registration of its asset management system by an external organization.

This International Standard is applicable to all types of organization (e.g. commercial enterprises, government agencies, non-profit organizations), as well as to all sizes of organization (from small to medium enterprises through to multinationals).

**NOTE 1**

The management of physical assets is inextricably linked to the management of other asset types (for example, the optimal life cycle management of physical assets is heavily dependent upon information and knowledge, human assets and financial resources, and often has a significant impact on reputation and customer satisfaction); these other asset types are addressed within the requirements of this International Standard, insofar as they have a direct impact on the management of physical assets.

**NOTE 2**

The organization can need to manage its assets optimally for an indefinite period into the future i.e. in perpetuity; in such situations the organization can define the "long-term period" to be in alignment with the time horizon of its organizational strategic plan, including the life cycles of critical assets.

**Asset management – Guidelines on the application of ISO Asset Management Requirements Standard**

This International Standard provides guidelines for the application of the requirements specified in the ISO asset management requirements standard. It provides guidance on the establishment, implementation, maintenance and improvement of an asset management system and its coordination with other management systems.

This International Standard does not prescribe mandatory approaches, methods or tools for the implementation of the requirements of the ISO asset management requirements standard, but rather seeks to aid understanding and implementation by means of examples and illustrations.

This International Standard is applicable to all types of organization (e.g. commercial enterprises, government agencies, non-profit organizations), as well as to all sizes of organization (from small to medium enterprises through to multinationals).

This International Standards does not create any additional requirements to those specified in the ISO asset management requirements standard.

This International Standard consists of guidance and recommendations and is not intended for certification, regulatory, or contractual use.

BSI has indicated their intention to have a first meeting shortly after ISO Technical Management Board (TMB) acceptance of this new work item. Therefore, it is important, should there be interest for the United States undertaking participating status in this committee, that ANSI be contacted regarding the formation of an accredited US Technical Advisory Group (TAG) for this ISO committee.

For more information concerning the establishment of a US TAG and/or serving as Administrator of a US TAG, please contact [rhowenstine@ansi.org](mailto:rhowenstine@ansi.org) .

## BSR/UL 558

### 1. Revisions to wiring requirements

5.1.1 ~~All wiring shall comply with one of the following: The wiring of a truck shall be rated for the particular application with respect to the temperature and voltage, exposure to oil or grease, and other conditions of service to which the wiring is subjected.~~

- a) The Standard for Appliance Wiring Material, UL 758;
- b) The Standard for Thermoplastic-Insulated Wires and Cables, UL 83;
- c) The Standard for Flexible Cord and Fixture Wire, UL 62; or
- d) The Standard for Low Voltage Primary Cable, SAE J1128.

5.1.2 ~~The wiring of a truck shall be rated for the particular application with respect to the temperature and voltage, exposure to oil or grease, and other conditions of service to which the wiring is subjected. With respect to 5.1.1, the effects of vibration, impact, and exposure are to be taken into account for wires smaller than 24 AWG (0.21 mm<sup>2</sup>).~~

5.1.3 ~~Wiring shall be protected against mechanical damage by: All wiring shall be polyvinyl chloride (PVC), polytetrafluoroethylene (PTFE), fluorinated ethylene propylene (FEP), cross linked polyolefin (XLPO), or neoprene insulated, or shall comply with the vertical wire flame test requirements in the Standard for Thermoplastic-Insulated Wires and Cables, UL 83 or the Standard for Appliance Wiring Material, UL 758.~~

- a) Enclosing it in the body of the truck; or when mounted on masts, booms, lifts or similar parts, the wiring shall be installed so as to reduce the likelihood of mechanical damage and kinking; or
- b) Enclosing it in metal raceway, such as armored cable, rigid metal conduit, or electrical metallic and nonmetallic tubing, flexible nonmetallic conduit or nonmetallic insulated tubing.

5.1.4 ~~Wires and cables shall be installed so as not to be subject to chafing of insulation. Acceptable provisions shall include the use of clamps, grommets, loom, sleeves, supplementary insulation, conduit, routing or equivalent means.~~

~~5.2 Wiring mounted on a boom, lift, or similar part subject to motion relative to other parts to which the wiring is connected shall not be subject to damage or failure as the result of kinking, or abrasion.~~

5.4 Wiring and cables shall not be located such to allow exposed exposure to drippage of fuel, oil, or grease, and shall not be supported on oil- or grease-retaining surfaces.



**BSR/UL 583****1. Revisions to Wiring, Section 8**

8.1 All wiring shall comply with one of the following: ~~The internal wiring of a truck shall consist of general-use wire specified in the National Electrical Code, ANSI/NFPA 70, or appliance-wiring material of one or more of the types specified in Table 8.1. The wiring shall be considered with respect to the temperature and conditions of service to which the wiring is to be subjected as determined by test on the truck.~~

- a) The Standard for Appliance Wiring Material, UL 758;
- b) The Standard for Thermoplastic-Insulated Wires and Cables, UL 83;
- c) The Standard for Flexible Cord and Fixture Wire, UL 62; or
- d) The Standard for Low Voltage Primary Cable, SAE J1128.

*Exception: This requirement does not apply to wiring located in a LVLE circuit. At the connection to a component, wiring is permitted to extend beyond the braid/harness for a length of not more than 3 inches (76.2 mm) for Types ES and EE, and a length of not more than 10 inches (254 mm) for Type E trucks.*

**Table 8.1****Appliance-wiring material**

<b>Wire insulation</b>	<b>Minimum acceptable average insulation thickness,</b>
	<b>Inch (mm)</b>
Rubber, Neoprene or Thermoplastic (PVC)	0.015 (0.38) plus an impregnated braid, or 0.030 (0.76) without a braid.

8.2 The wiring of a truck shall be rated for the particular application with respect to the temperature and voltage, exposure to oil or grease, and other conditions of service to which the wiring is subjected. ~~Appliance-wiring material having a thickness of insulation less than the minimum acceptable value specified in Table 8.1 is permitted for a particular application, provided the insulation is considered with respect to temperature and conditions of service, and is equivalent to one of the materials specified in that table.~~

8.5 Wiring shall be protected against mechanical damage by:

- a) Enclosing it in the body of the truck; or when mounted on masts, booms, lifts or similar parts, the wiring shall be installed so as to reduce the likelihood of mechanical damage and kinking; or Enclosing it in the body of the truck;
- b) Enclosing it in metal raceway, such as armored cable, rigid metal conduit, or electrical metallic and nonmetallic tubing, flexible nonmetallic conduit or nonmetallic insulated tubing. Enclosing it in metal raceway, such as armored cable, rigid metal conduit, or electrical metallic tubing; or
- c) ~~Protecting it with metal, phenolic composition, or other thermosetting material having equivalent mechanical strength and resistance to impact. Electrical wiring mounted on booms, lifts, and similar parts shall be installed so as to reduce the likelihood of mechanical damage and kinking.~~

Exception: This requirement does not apply to wiring located in a LVLE circuit.

~~8.7 A conductor connected to a moving or movable part that cannot be protected as indicated in 8.6 shall be designed for the intended use and shall comply with the test requirements in this standard. Consideration shall be given to the resistance of the conductor to damage resulting from flexing, abrasion, or impact.~~

BSR/UL 719

PROPOSAL

Table 1.1

## Cables covered in this standard

Type	Construction	Number of circuit conductors	Size of circuit conductors
NMC	flat	2 or 3	14 - 10 AWG copper or 12 - 10 AWG aluminum or copper-clad aluminum
NM	flat	2	14 - 2 AWG copper or 12 - 2 AWG aluminum or copper-clad aluminum
	<u>flat</u>	<u>3</u>	<u>14 - 10 AWG copper</u>
	round	2, 3, or 4	14 - 2 AWG copper or 12 - 2 AWG aluminum or copper-clad aluminum

BSR/UL 746C

For your convenience in review, proposed additions to the previously proposed requirements dated (10-23-09) are shown underlined and proposed deletions are shown ~~lined-out~~.

## **1. Deletion of Table 34.1 for Generic Thermal Indices**

### **PROPOSAL**

34.3 Except where noted for materials specified in Table 7.1 of UL 746B , the generic thermal index of a material is independent of thickness and pigmentation.

## **BSR/UL 1286**

### **PROPOSAL**

3.6 Relays and similar non-manually controlled devices which are used in a circuit where failure of the relay to function would present a risk of fire, electric shock, or injury to persons ~~to switch entire supply circuits on and off on a regular basis, such as with an energy management system,~~ shall comply with Overload and Endurance Test, Section 23.

3.7 Equipment that is intended to energize or de-energize electrical loads by responding to sensors and controlling the loads through the use of pre-programmed data logic or similar means shall comply with the Standard for Energy Management Equipment, UL 916.

**BSR/UL 1449**  
**Standard for Surge Protective Devices**

**1. Minimum and Maximum Wire Length**

65.1 An instruction manual or the equivalent shall be provided, shall only reference those applications that have been evaluated, and shall include the following:

- a) Instructions for installation: Instructions for permanently wired devices shall include ~~minimum and maximum the wire length and~~ gauge sizes, the ampacity of the circuit the device is intended for use on, and the internal wiring methods showing location and routing. The instructions shall state: "The conductors used to connect the SPD to the line or bus and to ground shall not be any longer than necessary and shall avoid unnecessary bends."
- b) Instructions for mounting.
- c) An explanation of the purpose and function of any indicator (lights, audio indicators, and similar indicators) features employed on the SPD.
- d) The interrupting rating of any required external circuit breaker or the short-circuit current level of any required external fuse.
- e) The following statement shall be required for SPDs intended for use on ungrounded power systems: "Caution - Ungrounded power systems are inherently unstable and can produce excessively high line-to-ground voltages during certain fault conditions. During these fault conditions any electrical equipment, including an SPD, may be subjected to voltages which exceed their designed ratings. This information is being provided to the user so that an informed decision can be made before installing any electrical equipment on an ungrounded power system."

*Exception: A separate instruction manual is not required if the material covered in (a) - (e), is either marked on, or otherwise provided as part of, the equipment.*

**2. 8X20 Waveform Calibration for I(n) Test**

37.7.2 Type 1 and Type 2 SPDs and Type 4 SPDs (intended for use in locations where Type 1 and Type 2 SPDs are installed), shall be subjected to the Nominal Discharge Current ( $I_n$ ) Test as specified in Table 37.1. The same three representative devices that were subjected to the 6 kV/3 kA combination wave in the Voltage Protection Rating Test, shall then be subjected to fifteen (15) x 8/20 short circuit current surges calibrated per paragraph 37.3.2, per mode. The surges are to be applied at the application points specified in 37.4.



## Standards Action Publishing Schedule for 2010, Volume No. 41

Issue No.	Dates to Submit Data to PSA		Standards Action Dates & Public Review Comment Deadlines			
	Submit Start	Submit End	SA Published	30-Day PR ends	45-Day PR Ends	60-day PR Ends
1	12/15/2009	12/21/2009	<b>1-JAN</b>	1/31/2010	2/15/2010	3/2/2010
2	12/22/2009	12/28/2009	<b>8-JAN</b>	2/7/2010	2/22/2010	3/9/2010
3	12/29/2009	1/4/2010	<b>15-JAN</b>	2/14/2010	3/1/2010	3/16/2010
4	1/5/2010	1/11/2010	<b>22-JAN</b>	2/21/2010	3/8/2010	3/23/2010
5	1/12/2010	1/18/2010	<b>29-JAN</b>	2/28/2010	3/15/2010	3/30/2010
6	1/19/2010	1/25/2010	<b>5-FEB</b>	3/7/2010	3/22/2010	4/6/2010
7	1/26/2010	2/1/2010	<b>12-FEB</b>	3/14/2010	3/29/2010	4/13/2010
8	2/2/2010	2/8/2010	<b>19-FEB</b>	3/21/2010	4/5/2010	4/20/2010
9	2/9/2010	2/15/2010	<b>26-FEB</b>	3/28/2010	4/12/2010	4/27/2010
10	2/16/2010	2/22/2010	<b>5-MAR</b>	4/4/2010	4/19/2010	5/4/2010
11	2/23/2010	3/1/2010	<b>12-MAR</b>	4/11/2010	4/26/2010	5/11/2010
12	3/2/2010	3/8/2010	<b>19-MAR</b>	4/18/2010	5/3/2010	5/18/2010
13	3/9/2010	3/15/2010	<b>26-MAR</b>	4/25/2010	5/10/2010	5/25/2010
14	3/16/2010	3/22/2010	<b>2-APR</b>	5/2/2010	5/17/2010	6/1/2010
15	3/23/2010	3/29/2010	<b>9-APR</b>	5/9/2010	5/24/2010	6/8/2010
16	3/30/2010	4/5/2010	<b>16-APR</b>	5/16/2010	5/31/2010	6/15/2010
17	4/6/2010	4/12/2010	<b>23-APR</b>	5/23/2010	6/7/2010	6/22/2010
18	4/13/2010	4/19/2010	<b>30-APR</b>	5/30/2010	6/14/2010	6/29/2010
19	4/20/2010	4/26/2010	<b>7-MAY</b>	6/6/2010	6/21/2010	7/6/2010
20	4/27/2010	5/3/2010	<b>14-MAY</b>	6/13/2010	6/28/2010	7/13/2010
21	5/4/2010	5/10/2010	<b>21-MAY</b>	6/20/2010	7/5/2010	7/20/2010
22	5/11/2010	5/17/2010	<b>28-MAY</b>	6/27/2010	7/12/2010	7/27/2010
23	5/18/2010	5/24/2010	<b>4-JUN</b>	7/4/2010	7/19/2010	8/3/2010
24	5/25/2010	5/31/2010	<b>11-JUN</b>	7/11/2010	7/26/2010	8/10/2010
25	6/1/2010	6/7/2010	<b>18-JUN</b>	7/18/2010	8/2/2010	8/17/2010
26	6/8/2010	6/14/2010	<b>25-JUN</b>	7/25/2010	8/9/2010	8/24/2010
27	6/15/2010	6/21/2010	<b>2-JUL</b>	8/1/2010	8/16/2010	8/31/2010



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Issue No.	Dates to Submit Data to PSA		Standards Action Dates & Public Review Comment Deadlines			
	Submit Start	Submit End	SA Published	30-Day PR ends	45-Day PR Ends	60-day PR Ends
28	6/22/2010	6/28/2010	<b>9-JUL</b>	8/8/2010	8/23/2010	9/7/2010
29	6/29/2010	7/5/2010	<b>16-JUL</b>	8/15/2010	8/30/2010	9/14/2010
30	7/6/2010	7/12/2010	<b>23-JUL</b>	8/22/2010	9/6/2010	9/21/2010
31	7/13/2010	7/19/2010	<b>30-JUL</b>	8/29/2010	9/13/2010	9/28/2010
32	7/20/2010	7/26/2010	<b>6-AUG</b>	9/5/2010	9/20/2010	10/5/2010
33	7/27/2010	8/2/2010	<b>13-AUG</b>	9/12/2010	9/27/2010	10/12/2010
34	8/3/2010	8/9/2010	<b>20-AUG</b>	9/19/2010	10/4/2010	10/19/2010
35	8/10/2010	8/16/2010	<b>27-AUG</b>	9/26/2010	10/11/2010	10/26/2010
36	8/17/2010	8/23/2010	<b>3-SEP</b>	10/3/2010	10/18/2010	11/2/2010
37	8/24/2010	8/30/2010	<b>10-SEP</b>	10/10/2010	10/25/2010	11/9/2010
38	8/31/2010	9/6/2010	<b>17-SEP</b>	10/17/2010	11/1/2010	11/16/2010
39	9/7/2010	9/13/2010	<b>24-SEP</b>	10/24/2010	11/8/2010	11/23/2010
40	9/14/2010	9/20/2010	<b>1-OCT</b>	10/31/2010	11/15/2010	11/30/2010
41	9/21/2010	9/27/2010	<b>8-OCT</b>	11/7/2010	11/22/2010	12/7/2010
42	9/28/2010	10/4/2010	<b>15-OCT</b>	11/14/2010	11/29/2010	12/14/2010
43	10/5/2010	10/11/2010	<b>22-OCT</b>	11/21/2010	12/6/2010	12/21/2010
44	10/12/2010	10/18/2010	<b>29-OCT</b>	11/28/2010	12/13/2010	12/28/2010
45	10/19/2010	10/25/2010	<b>5-NOV</b>	12/5/2010	12/20/2010	1/4/2011
46	10/26/2010	11/1/2010	<b>12-NOV</b>	12/12/2010	12/27/2010	1/11/2011
47	11/2/2010	11/8/2010	<b>19-NOV</b>	12/19/2010	1/3/2011	1/18/2011
48	11/9/2010	11/15/2010	<b>26-NOV</b>	12/26/2010	1/10/2011	1/25/2011
49	11/16/2010	11/22/2010	<b>3-DEC</b>	1/2/2011	1/17/2011	2/1/2011
50	11/23/2010	11/29/2010	<b>10-DEC</b>	1/9/2011	1/24/2011	2/8/2011
51	11/30/2010	12/6/2010	<b>17-DEC</b>	1/16/2011	1/31/2011	2/15/2011
52	12/7/2010	12/13/2010	<b>24-DEC</b>	1/23/2011	2/7/2011	2/22/2011
53	12/14/2010	12/20/2010	<b>31-DEC</b>	1/30/2011	2/14/2011	3/1/2011