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## American National Standards

### Call for comment on proposals listed

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

#### Ordering Instructions for "Call-for-Comment" Listings

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

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

## Comment Deadline: January 16, 2011

### ASME (American Society of Mechanical Engineers)

#### Revisions

BSR/ASME PCC-2-201x, Repair of Pressure Equipment and Piping (revision of ANSI/ASME PCC-2-2008)

Provides methods for repair of equipment and piping within the scope of ASME Pressure Technology Codes and Standards after it has been placed in service. These repair methods include relevant design, fabrication, examination, and testing practices and may be temporary or permanent, depending on the circumstances. The methods provided in this Standard address the repair of components when repair is deemed necessary based on appropriate inspection and flaw assessment. These inspection and flaw evaluation methods are not covered in this document, but are covered in other post construction codes and standards. Only technical procedures and information are provided; administrative or policy requirements are outside of the scope of this Standard.

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

Send comments (with copy to BSR) to: Colleen O'Brien, (212) 591-7881, obrienc@asme.org

### TCIA (ASC A300) (Tree Care Industry Association)

#### New Standards

BSR A300 (Part 9)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Tree Risk Assessment a. Tree Structure Assessment) (new standard)

Provides performance standards for risk assessments of trees, shrubs, and other woody plants. This series of standards is a guide in the drafting of tree risk assessment specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

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

Send comments (with copy to BSR) to: Robert Rouse, (603) 314-5380 ext. 117, Rouse@treecareindustry.org

#### Revisions

BSR A300 (Part 2)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Soil Management a. Modification, b. Fertilization, and c. Drainage) (revision of ANSI A300 (Part 2)-2004)

Provides performance standards for management of soil including soil modification, fertilization, and moisture management (drainage) for trees, shrubs, and other woody plants. This series of standards is a guide in the drafting of work project specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

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

Send comments (with copy to BSR) to: Robert Rouse, (603) 314-5380 ext. 117, Rouse@treecareindustry.org

### UL (Underwriters Laboratories, Inc.)

#### Revisions

BSR/UL 867-201x, Electrostatic Air Cleaners (revision of ANSI/UL 867-2007)

Revises the proposal dated May 21, 2010.

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

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

## Comment Deadline: January 31, 2011

### ABMA (ASC B3) (American Bearing Manufacturers Association)

#### New National Adoptions

BSR ABMA/ISO 15242-1-201x, Rolling bearings - Measuring methods for vibration - Part 1: Fundamentals (identical national adoption of ISO 15242-1:2004)

Defines and specifies measuring methods for vibration of rotating rolling bearings under established test conditions together with calibration of related measuring systems.

Single copy price: \$36.00

Obtain an electronic copy from: jpaine@americanbearings.org

Order from: Jonathan Paine, (202) 367-1155, jpaine@americanbearings.org

Send comments (with copy to BSR) to: James Converse, (919) 481-2852, jconverse@americanbearings.org

### AISC (American Institute of Steel Construction)

#### Supplements

BSR/AISC 358-S1-201x, Supplement No. 1 to AISC 358-10 Prequalified Connections for Special and Intermediate Moment Frames for Seismic Applications (supplement to ANSI/AISC 358-2005)

Adds an additional prequalified connection, the ConXL moment connection, to the standard.

Single copy price: \$15.00

Obtain an electronic copy from: www.aisc.org/AISC358s1pr

Order from: Janet Cummins, (312) 670-5410, cummins@aisc.org

Send comments (with copy to BSR) to: Keith Grubb, (312) 670-8318, grubb@aisc.org

### AMCA (Air Movement and Control Association)

#### Revisions

BSR/AMCA 230-201x, Laboratory Methods of Testing Air Circulating Fans for Rating and Certification (revision of ANSI/AMCA 230-2007)

Forms the basis for testing air-circulating fan heads, ceiling fans, box fans, table fans, portable personnel coolers, or other air-circulating devices when air is used as the test gas. Blowers, exhausters, compressors, positive displacement machines, and positive pressure ventilators are not within the scope of this standard.

Single copy price: \$5.00

Obtain an electronic copy from: jpakan@amca.org

Order from: John Pakan, (847) 394-0150, jpakan@amca.org

Send comments (with copy to BSR) to: Same

## ASA (ASC S12) (Acoustical Society of America)

### New National Adoptions

BSR/ASA S12.54-201x/ISO 3744-201x, Acoustics - Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure - Engineering Methods for an Essentially Free Field Over a Reflecting Plane (identical national adoption and revision of ANSI S12.54-1999/ISO 3744-1994 (R2004))

Specifies methods for determining sound power level or sound energy level of a noise source from sound pressure levels measured on a surface enveloping a noise source (machinery or equipment) in an environment that approximates to an acoustic free field near 1 or more reflecting planes. Sound power level (or in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands or with A-weighting, is calculated using those measurements.

Single copy price: \$139.00

Obtain an electronic copy from: [asastds@aip.org](mailto:asastds@aip.org)

Order from: Susan Blaeser, (631) 390-0215, [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

Send comments (with copy to BSR) to: Same

BSR/ASA S12.53/Part 1-201x/ISO 3743-1:2010, Acoustics - Determination of Sound Power Levels and Sound Energy Levels of Noise Sources Using Sound Pressure - Engineering Methods for Small, Movable Sources in Reverberant Fields - Part 1: Comparison Method for a Hard-Walled Test Room (identical national adoption and revision of ANSI S12.53/Part 1-1999/ISO 3743-1-1994 (R2004))

Specifies methods for determining sound power level or sound energy level of a noise source by comparing measured sound pressure levels emitted by a source (machinery or equipment) mounted in a hard-walled test room, characteristics of which are specified, with those from a calibrated reference sound source. Sound power level (or in the case of noise bursts or transient noise emission, the sound energy level) produced by the noise source, in frequency bands or with A-weighting, is calculated using those measurements.

Single copy price: \$130.00

Obtain an electronic copy from: [asastds@aip.org](mailto:asastds@aip.org)

Order from: Susan Blaeser, (631) 390-0215, [sblaeser@aip.org](mailto:sblaeser@aip.org); [asastds@aip.org](mailto:asastds@aip.org)

Send comments (with copy to BSR) to: Same

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

### Revisions

BSR/ASABE/ISO 5008:2002 W/Cor. 1-201x, Agricultural wheeled tractors and field machinery - Measurement of whole-body vibration of the operator (revision of ANSI/ASABE/ISO 5008-2002 W/Cor.1-2006)

Specifies methods for measuring and reporting the whole body vibration to which the operator of an agricultural wheeled tractor or other field machine is exposed when operating on a standard test track. Operating conditions of the machine and the ordinates of the artificial test tracks are included.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

### Reaffirmations

BSR/ASABE S596-2006 (R201x), Recycling Plastic Containers from Pesticides and Pesticide-Related Products (reaffirmation of ANSI/ASABE S596-2006)

Specifies management practices for effectiveness and safety in the handling, cleaning and recycling of used non-refillable, high-density polyethylene (HDPE) containers embossed with recycling symbol #2 up to 212 L (56 gal) that originally held pesticides and pesticide-related products labeled for agriculture, forestry, professional specialty pesticide use, and structural pest control. Containers that originally held antimicrobial products that are subject to a tolerance or that require an exemption from a tolerance are within the scope of this standard.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

BSR/ASABE/ISO 5007-2003 (R201x), Agricultural wheeled tractors - Operator's seat - Laboratory measurement of transmitted vibration (reaffirmation of ANSI/ASABE/ISO 5007-2003)

Specifies, in accordance with ISO 10326-1:1992, a laboratory method for measuring and evaluating the effectiveness of the suspension of operator seats on agricultural wheeled tractors. This standard also specifies acceptance criteria based on the test results, while defining the input spectral classes relating to three classes of agricultural tractor with rubber tires, unsprung rear axles and no low-frequency cab isolation: those of up to 3 600 kg (class 1), those of from 3 600 kg to 6 500 kg (class 2), and those of over 6 500 kg (class 3).

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

BSR/ASAE EP433-SEP91 (R201x), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE EP433-SEP91 (R2006))

Presents methods of estimating the grain pressures within centrally loaded and unloaded bins used to store freeflowing, agricultural whole grain.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

BSR/ASAE S261.7-OCT96 (R201x), Design and Installation of Nonreinforced Concrete Irrigation Pipe Systems (reaffirmation of ANSI/ASAE S261.7-OCT96 (R2006))

Provides a guide to engineers in the design and installation of low- or intermediate-pressure nonreinforced concrete irrigation pipelines and for the preparation of detailed specifications for a particular installation. This standard is restricted to pipelines with vents or stands open to the atmosphere or closed pipelines operating at less than 6 m (20 ft) of head. It is not intended to serve as a complete set of design criteria and construction specifications.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

BSR/ASAE S338.5-2006 (R201x), Field Equipment for Agriculture - Safety Chain for Towed Equipment (reaffirmation of ANSI/ASAE S338.5-2006)

Covers the specifications for an auxiliary attaching system to retain a connection between towing and towed agricultural field equipment in the event of separation of the primary attaching system long enough to bring the machines to a stop. Applies to all combinations of towing and towed agricultural field equipment when traveling on highways.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

BSR/ASAE S354.5-2006 (R201x), Safety for Farmstead Equipment (reaffirmation of ANSI/ASAE S354.5-2006)

Provides a reasonable degree of personal safety for operators and other persons during normal operation and servicing of farmstead equipment. This standard does not apply to agricultural field equipment nor to self-propelled mobile equipment such as motor vehicles, all terrain vehicles, and skid-steer loaders. In addition, it does not apply to farmstead equipment covered by other ASABE safety standards unless it is specifically referenced by these standards.

Single copy price: \$48.00

Obtain an electronic copy from: [vangilder@asabe.org](mailto:vangilder@asabe.org)

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

Send comments (with copy to BSR) to: Same

## ASME (American Society of Mechanical Engineers)

### Revisions

BSR/ASME BPVC Section IX-201x, Welding and Brazing Qualifications (revision of ANSI/ASME BPVC Section IX-2010)

Section IX of the ASME Boiler and Pressure Vessel Code relates to the qualification of welders, welding operators, brazers, and brazing operators, and the procedures that they employ in welding and brazing according to the ASME Boiler and Pressure Vessel Code and the ASME B31 Code for Pressure Piping.

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: Steven Rossi, (212) 591-8460, [rossis@asme.org](mailto:rossis@asme.org)

BSR/ASME BPVC Section VIII-201x, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2010)

Contains mandatory requirements, specific prohibitions, and nonmandatory guidance for pressure vessel materials, design, fabrication, examination, inspection, testing, certification, and pressure relief. The Code does not address all aspects of these activities, and those aspects that are not specifically addressed should not be considered prohibited.

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: Steven Rossi, (212) 591-8460, [rossis@asme.org](mailto:rossis@asme.org)

BSR/ASME BPVC Section XI-201x, Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2010)

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)

BSR/ASME BPVC Section XII-201x, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2010)

The rules of this Section constitute requirements for construction and continued service of pressure vessels for the transportation of dangerous goods via highway, rail, air, or water. Construction is an all-inclusive term comprising materials, design, fabrication, examination, inspection, testing, certification, and over-pressure protection.

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: Daniel Sharp, (212) 591-8538, [sharpd@asme.org](mailto:sharpd@asme.org)

## ASTM (ASTM International)

The URL to search for scopes of ASTM standards is:

<http://www.astm.org/dsearch.htm>

For reaffirmations and withdrawals, order from: Customer Service, ANSI

For new standards and revisions, order from: Karen Wilson, ASTM;

[kwilson@astm.org](mailto:kwilson@astm.org)

For all ASTM standards, send comments (with copy to BSR) to:

Karen Wilson, ASTM; [kwilson@astm.org](mailto:kwilson@astm.org)

### New Standards

BSR/ASTM F1885-201x, Guide for Irradiation of Dried Spices, Herbs, and Vegetable Seasonings to Control Pathogens and Other Microorganisms (new standard)

[http://www.astm.org/ANSI\\_SA](http://www.astm.org/ANSI_SA)

Single copy price: \$38.00

## BICSI (Building Industry Consulting Service International)

### New Standards

BSR/BICSI 002-201x, Data Center Design and Implementation Best Practices (new standard)

Provides a reference of common terminology and design practice for the design, planning, and development of operations and procedures for data centers. This standard is not intended to be used as a sole reference or as a step-by-step design guide, but rather to aid architects, engineers, and other technical personnel to determine design requirements in conjunction with a data center owner, occupant, or consultant.

Single copy price: Free

Obtain an electronic copy from: [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

Order from: Jeff Silveira, (813) 630-1826, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

Send comments (with copy to BSR) to: Same

## HL7 (Health Level Seven)

### New Standards

BSR/HL7 V3 RXCDSEVNT, R1-201x, HL7 Version 3 Standard:  
Pharmacy; Common Dispense and Supply Event, Release 1 (new standard)

Pertains to models and interactions that are common to any type of dispense or supply event. These have been separated from the Medication Dispense and Supply Event topic, because they also cover devices and other products.

Single copy price: Free (HL7 members); \$650.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104,  
Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXCOMORDER, R1-201x, HL7 Version 3 Standard:  
Pharmacy; Common Order, Release 1 (new standard)

Pertains to interactions that are common to any type of pharmacy-related order. These have been separated from the Medication Order topic, because they also cover devices and other products that can be ordered from pharmacies.

Single copy price: Free (HL7 members); \$650.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104,  
Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

BSR/HL7 V3 RXMDSVNT, R1-201x, HL7 Version 3 Standard:  
Pharmacy; Medication Dispense and Supply Event, Release 1 (new standard)

Covers the issuing of medication to a patient or representative, as well as bulk supplies of medication. This standard deals with both community dispensing, as well as dispensing performed by institutional/hospital pharmacies and automated packaging and dispensing systems.

Single copy price: Free (HL7 members); \$650.00 (non-members)

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777 Ext 104,  
Karenvan@HL7.org

Send comments (with copy to BSR) to: Same

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

### Revisions

BSR ICEA S-105-692-201x, Standard for 600 Volt Single Layer  
Thermoset Insulated Utility Underground Distribution Cables (revision of ANSI ICEA S-105-692-2004)

Applies to the materials, constructions, and testing of single conductor cables and assemblies of completed single conductor thermoset insulated cables, with an insulated or bare copper or an insulated aluminum neutral, used for the distribution of electrical energy at phase-to-phase voltages not exceeding 600 volts, or phase-to-ground voltage not exceeding 480 volts, 60 Hz, and at conductor temperatures not exceeding 90 C for use in direct burial and underground ducts.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

BSR ICEA S-76-474-201x, Standard for Neutral-Supported Power Cable  
Assemblies with Weather-Resistant Extruded Insulation Rated 600  
Volts (revision of ANSI ICEA S-76-474-2005)

Applies to materials, constructions, and testing of assemblies of current-carrying conductors and bare or covered neutral conductors for overhead distribution of electrical energy.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

BSR ICEA S-83-596-201x, Indoor Optical Fiber Cable (revision of ANSI  
ICEA S-83-596-2001)

Revises the standard for indoor optical fiber cables capable of being used as part of an indoor communication cable system. This standard brings the language, terminology, and testing up to current industry practices and helps to harmonize, where practical, with other industry standards.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

BSR ICEA S-84-608-201x, Telecommunications Cable - Filled,  
Polyolefin Insulated, Copper Conductor - Technical Requirements  
(revision of ANSI ICEA S-84-608-2007)

Covers mechanical and electrical requirements for filled, polyolefin insulated, copper conductor telecommunications cable. This standard provides alternative choices for type of insulation, type of filling compound, core lay-ups, color code, sheath design (shielding materials, single double jackets and jacket thicknesses), and screened or non-screened core.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

BSR ICEA S-85-625-201x, Telecommunications Cable - Aircore,  
Polyolefin Insulation, Copper Conductor - Technical Requirements  
(revision of ANSI ICEA S-85-625-2008)

Covers mechanical and electrical requirements for filled, polyolefin, copper conductor telecommunications cable. This standard provides alternative choices for type of insulation, core lay-ups, color code, sheath design (shielding materials, single or double jackets, and jacket thicknesses), and screened or non-screened core.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

BSR ICEA S-86-634-201x, Buried Telecommunications Wire, Filled,  
Polyolefin Insulated, Copper Conductor, Technical Requirements  
(revision of ANSI ICEA S-86-634-2004)

Establishes generic technical requirements that may be referenced by individual telecommunications wire specifications covering products intended for normal outside plant use.

Single copy price: \$115.00

Obtain an electronic copy from: NEMA.org or ICEA.net

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Chris Henderson, (703)  
841-3271, chris.henderson@nema.org

## **NEMA (ASC Z535) (National Electrical Manufacturers Association)**

### **Revisions**

BSR Z535.3-201x, Criteria for Safety Symbols (revision of ANSI Z535.3-2007)

Provides general criteria for the design, evaluation, and use of safety symbols to identify and warn against specific hazards and to provide information to avoid personal injury.

Single copy price: \$97.00

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Paul Orr, (703) 841-3227, Pau\_orr@nema.org

BSR Z535.5-201x, Safety Tags and Barricade Tapes (for Temporary Hazards) (revision of ANSI Z535.5-2007)

Sets forth requirements for safety tags and barricade tapes to be used to identify temporary hazards.

Single copy price: \$76.00

Obtain an electronic copy from: pau\_orr@nema.org

Order from: NEMA, 1300 N. 17th Street, Suite 1752, Rosslyn, VA 22209

Send comments (with copy to BSR) to: Paul Orr, (703) 841-3227, Pau\_orr@nema.org

## **NETA (InterNational Electrical Testing Association)**

### **Revisions**

BSR/NETA MTS-201x, ANSI/NETA Standard for Maintenance Testing Specifications (revision of ANSI/NETA MTS-2007)

Covers the suggested field tests and inspections that are available to assess the suitability for continued service and reliability of electrical power distribution equipment and systems. The purpose of these specifications is to assure that tested electrical equipment and systems are operational, are within applicable standards and manufacturer's tolerances, and are suitable for continued service. These specifications do not purport to address all of the safety problems associated with their use. It is the responsibility of the user to review all applicable regulatory limitations prior to the use of these specifications.

Single copy price: \$495.00

Obtain an electronic copy from: kwicks@netaworld.org

Order from: Kristen Wicks, (269) 488-6382, kwicks@netaworld.org

Send comments (with copy to BSR) to: Same

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

### **New Standards**

BSR/TAPPI T 537 om-201x, Dirt count in paper and paperboard (optical character recognition - OCR) (new standard)

This method is suited for the numerical estimation of cleanliness for optical character recognition (OCR) purposes of paper and paperboard in terms of the frequency of dirt, specks, or marks. This method may be used in applications where the number of specks per unit area rather than the equivalent black area is required.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

Send comments (with copy to BSR) to: standards@tappi.org

BSR/TAPPI T 807 om-201x, Bursting strength of linerboard (new standard)

Describes a procedure for measuring the bursting strength of linerboard using a disk shaped diaphragm. Basis weights for this method should be 98 g/square meter and higher. The minimum burst should be 350 kPa (51 psi). This method may also be used to test paperboard.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Charles Bohanan, (770) 209-7276, standards@tappi.org

Send comments (with copy to BSR) to: standards@tappi.org

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

### **New Standards**

BSR/TIA 569-C-201x, Commercial Building Standard for Telecommunications Pathways and Spaces (new standard)

Specifies the requirements for telecommunications pathways and

Single copy price: \$155.00

Obtain an electronic copy from: www.global.ihs.com

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

Send comments (with copy to BSR) to: Teesha Jenkins, (703) 907-7706, tjenkins@tiaonline.org

### **Supplements**

BSR/TIA 568-C.1-1-201x, Commercial Building Telecommunications Cabling Standard - Addendum 1: Pathways and Spaces (supplement to ANSI/TIA 568-C.1-2009)

Specifies additional requirements, exceptions and allowances to ANSI/TIA 569-C for commercial buildings.

Single copy price: \$60.00

Obtain an electronic copy from: www.global.ihs.com

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

Send comments (with copy to BSR) to: Teesha Jenkins, (703) 907-7706, tjenkins@tiaonline.org

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

### **New Standards**

BSR/UL 2007A-201x, Standard for Shatter Containment of Lamps for Use in Regulated Food Establishments (new standard)

Covers shatter containment mechanisms for lamps, for use in food establishments, that are intended to prevent contamination of food. Types of lamps covered by these requirements include incandescent, halogen, linear fluorescent, pin-base compact fluorescent, screwbase compact fluorescent, high intensity discharge (HID), and solid state.

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: Alan McGrath, (847) 664-2850, Alan.T.McGrath@us.ul.com

**Revisions**

BSR/UL 405-201x, Standard for Safety for Fire Department Connections (revision of ANSI/UL 405-2004 (R2008))

Covers:

- Revisions to product marking;
- New Stress Corrosion Cracking Test for brass components;
- Revisions to leakage and strength of body tests;
- Revisions to permit pipe threads other than NPT threads;
- Minimum pressure rating;
- Revisions to clarify the distinction between a fire department connection and a manifold intended for use with a fire department connection; and
- New and revised construction requirements for corrosion resistance.

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: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@us.ul.com](mailto:Kristin.L.Andrews@us.ul.com)

BSR/UL 697-201x, Standard for Safety for Toy Transformers (Proposal dated 12-17-10) (revision of ANSI/UL 697-2009)

Proposes clarification of the maximum output voltage during testing.

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 1561-201x, Standard for Safety for Dry-Type General Purpose and Power Transformers (revision of ANSI/UL 1561-2005 (R2010))

Revises the scope to remove kVA limitation.

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 1951-201x, Standard for Safety for Electric Plumbing Accessories (revision of ANSI/UL 1951-2003 (R2008))

Covers:

- (1) Update of requirements to allow field-wiring compartments to be shipped with an end product;
- (2) Addition and revision of requirements to delete Appendix A and to specify component requirements in the body of the standard;
- (3) Proposed editorial changes to update standardized wording and delete dates associated with reference standards.

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: Beth Northcott, (847) 664-3198, [Elizabeth.Northcott@us.ul.com](mailto:Elizabeth.Northcott@us.ul.com)

**Reaffirmations**

BSR/UL 385-2006 (R201x), Standard for Safety for Play Pipes for Water Supply Testing in Fire Protection (reaffirmation of ANSI/UL 385-2006)

Covers play pipes for testing of water supplies for fire protection service.

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: Kristin Andrews, (408) 754-6634, [Kristin.L.Andrews@us.ul.com](mailto:Kristin.L.Andrews@us.ul.com)

**Comment Deadline: February 15, 2011**

Reaffirmations and withdrawals available electronically may be accessed at: [webstore.ansi.org](http://webstore.ansi.org)

**EIA (Electronic Industries Alliance)****New Standards**

BSR/EIA 364-1005-201x, Environmental Test Methodology for Determining the Susceptibility of Contacts to Fretting Corrosion (new standard)

Describes recommended test sequences to determine the susceptibility of contacts to fretting corrosion that is a major and significant failure mechanism that can be caused by vibration and thermal cycling.

Single copy price: Free

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

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

Send comments (with copy to BSR) to: Edward Mikoski, (703) 907-8023, [emikoski@eca.us.org](mailto:emikoski@eca.us.org)

**Projects Withdrawn from Consideration**

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

**SJI (Steel Joist Institute)**

BSR/SJI CJCOSP-1.0-200x, Code of Standard Practice for Composite Steel Joists (revision of ANSI/SJI CJCOSP-1.0-2006)

BSR/SJI COSP-1.0-200x, Code of Standard Practice for Steel Joists (new standard)

## Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to [psa@ansi.org](mailto:psa@ansi.org).

### **Comment Deadline: January 16, 2011**

#### **ASC X9 (Accredited Standards Committee X9, Incorporated)**

X9 TR-40-2010, Bridging ANSI X9.100-187 to ANSI X9.100-182-2-1:  
Transferring Data from an Image Cash Letter File to an XML Check Delivery Document (TECHNICAL REPORT) (technical report)

Provides some background material and a relevant synopsis of the ANSI X9.100-182 standard. This technical report explains the structure principle behind the mapping approach. And finally, it provides field-by-field data content mapping from the image cash letter file records to the respective XML element layers. The Technical Report focuses on, and restricts itself to, those ANSI X9.100-182 Part 2-1 defined elements and element layers in the XML structure that have equivalence in the ANSI X9.100-187 file record fields.

Single copy price: \$60.00

Order from: [www.x9.org](http://www.x9.org)

Send comments (with copy to BSR) to: Janet Busch, (410) 267-7707, [janet.busch@x9.org](mailto:janet.busch@x9.org)



# Call for Comment Contact Information

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:

### ABMA (ASC B3)

American Bearing Manufacturers Association

2025 M Street, NW  
Suite 800  
Washington, DC 20036  
Phone: (202) 367-1155

Fax: (202) 367-2155  
Web: [www.americanbearings.org](http://www.americanbearings.org)

### AISC

American Institute of Steel Construction

One East Wacker Drive  
Suite 3100  
Chicago, IL 60601-2001  
Phone: (312) 670-5410  
Fax: (312) 644-4226  
Web: [www.aisc.org](http://www.aisc.org)

### AMCA

AMCA International, Inc.  
30 West University Drive  
Arlington Heights, IL 60004-1893  
Phone: (847) 394-0150  
Fax: (847) 253-0088  
Web: [www.amca.org](http://www.amca.org)

### ANSI

American National Standards Institute

25 West 43rd Street  
4th Floor  
New York, NY 10036  
Phone: (212) 642-4980

### ASA (ASC S12)

Acoustical Society of America

35 Pinelawn Road  
Suite 114E

Melville, NY 11747  
Phone: (631) 390-0215  
Fax: (631) 390-0217  
Web: [asa.aip.org](http://asa.aip.org)

### ASABE

American Society of Agricultural and Biological Engineers

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

### ASC X9

Accredited Standards Committee X9, Incorporated

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

### 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)

### ASTM

ASTM International

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

### BICSI

Building Industry Consulting Service International

8610 Hidden River Parkway  
Tampa, FL 33578  
Phone: (813) 630-1826  
Fax: (813) 971-4311  
Web: [www.bicsi.org](http://www.bicsi.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

### HL7

Health Level Seven  
3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104  
Phone: (734) 677-7777, Ext 104  
Fax: (734) 677-6622  
Web: [www.hl7.org](http://www.hl7.org)

### NEMA (ASC C8)

National Electrical Manufacturers Association

1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209  
Phone: (703) 841-3271  
Web: [www.nema.org](http://www.nema.org)

### NETA

InterNational Electrical Testing Association

3050 Old Centre, Suite 102  
Portage, MI 49024  
Phone: (269) 488-6382  
Fax: (269) 488-3683  
Web: [www.netaworld.org](http://www.netaworld.org)

### TAPPI

Technical Association of the Pulp and Paper Industry

15 Technology Parkway South  
Norcross, GA 30033  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

## Send comments to:

### **ABMA (ASC B3)**

American Bearing Manufacturers Association  
2025 M Street, NW  
Suite 800  
Washington, DC 20036-3309  
Phone: (919) 481-2852  
Fax: (919) 827-4587  
Web: [www.americanbearings.org](http://www.americanbearings.org)

### **AISC**

American Institute of Steel Construction  
1 East Wacker Drive  
Suite 700  
Chicago, IL 60601  
Phone: (312) 670-8318  
Fax: (312) 670-5403  
Web: [www.aisc.org](http://www.aisc.org)

### **AMCA**

AMCA International, Inc.  
30 West University Drive  
Arlington Heights, IL 60004-1893  
Phone: (847) 394-0150  
Fax: (847) 253-0088  
Web: [www.amca.org](http://www.amca.org)

### **ASA (ASC S12)**

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

### **ASABE**

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

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

### **ASME**

American Society of Mechanical Engineers  
3 Park Avenue, 20th Floor  
New York, NY 10016  
Phone: (212) 591-7881  
Fax: (212) 591-8501  
Web: [www.asme.org](http://www.asme.org)

### **ASTM**

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

### **BICSI**

Building Industry Consulting Service International  
8610 Hidden River Parkway  
Tampa, FL 33578  
Phone: (813) 630-1826  
Fax: (813) 971-4311  
Web: [www.bicsi.org](http://www.bicsi.org)

### **EIA**

Electronic Industries Alliance  
2500 Wilson Blvd, Suite 310  
Arlington, VA 22201-3834  
Phone: (703) 907-8023  
Fax: (703) 875-8908  
Web: [www.eia.org](http://www.eia.org)

### **HL7**

Health Level Seven  
3300 Washtenaw Avenue  
Suite 227  
Ann Arbor, MI 48104  
Phone: (734) 677-7777, Ext 104  
Fax: (734) 677-6622  
Web: [www.hl7.org](http://www.hl7.org)

### **NEMA (ASC C12)**

National Electrical Manufacturers Association  
1300 North 17th Street, Suite 1847  
Rosslyn, VA 22209  
Phone: (703) 841-3227  
Fax: (703) 841-3327  
Web: [www.nema.org](http://www.nema.org)

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

National Electrical Manufacturers Association  
1300 North 17th Street, Suite 1752  
Rosslyn, VA 22209  
Phone: (703) 841-3271  
Web: [www.nema.org](http://www.nema.org)

### **NETA**

InterNational Electrical Testing Association  
3050 Old Centre, Suite 102  
Portage, MI 49024  
Phone: (269) 488-6382  
Fax: (269) 488-3683  
Web: [www.netaworld.org](http://www.netaworld.org)

### **TAPPI**

Technical Association of the Pulp and Paper Industry  
15 Technology Parkway South  
Norcross, GA 30033  
Phone: (770) 209-7276  
Fax: (770) 446-6947  
Web: [www.tappi.org](http://www.tappi.org)

### **TCIA (ASC A300)**

ASC A300  
136 Harvey Road, Suite 101  
Londonderry, NH 3053  
Phone: (603) 314-5380, ext. 117  
Fax: (603) 314-5386  
Web: [www.treecareindustry.org](http://www.treecareindustry.org)

### **TIA**

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

### **UL**

Underwriters Laboratories, Inc.  
333 Pfingsten Road  
Northbrook, IL 60062-2096  
Phone: (847) 664-2850  
Fax: (847) 313-2850  
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.

## AMCA (Air Movement and Control Association)

**Office:** 30 West University Drive  
Arlington Heights, IL 60004-1893

**Contact:** John Pakan

**Phone:** (847) 394-0150

**Fax:** (847) 253-0088

**E-mail:** jpakan@amca.org

BSR/AMCA 230-201x, Laboratory Methods of Testing Air Circulating Fans for Rating and Certification (revision of ANSI/AMCA 230-2007)

## API (American Petroleum Institute)

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

**Contact:** Duane Brown

**Phone:** (202) 682-8000

**Fax:** (202) 962-4797

**E-mail:** brownd@api.org

BSR/API MPMS Chapter 14.3, Part 2-2000 (R201x), Concentric, Square-Edged Orifice Meters, Part 2 - Specification and Installation Requirements, 4th edition (reaffirmation of ANSI/API MPMS Chapter 14.3, Part 2-2000)

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

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

**Contact:** Tim Fisher

**Phone:** (847) 768-3411

**Fax:** (847) 296-9221

**E-mail:** TFisher@ASSE.org

BSR ASSE A10.34-2001 (R201x), Protection of the Public on or Adjacent to Construction Sites (reaffirmation of ANSI ASSE A10.34-2001 (R2005))

## ISA (ISA)

**Office:** P.O. Box 12277  
67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** Charles Robinson

**Phone:** (919) 990-9213

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

**E-mail:** crobinson@isa.org

BSR/ISA 101.00.01-201x, Human-Machine Interfaces in Manufacturing Applications (new standard)

BSR/ISA 106.00.01-201x, Procedural Automation for Continuous Process Operations (new standard)

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

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

**Contact:** Chris Henderson

**Phone:** (703) 841-3271

**E-mail:** chris.henderson@nema.org

BSR ICEA S-105-692-201x, Standard for 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables (revision of ANSI ICEA S-105-692-2004)

BSR ICEA S-83-596-201x, Indoor Optical Fiber Cable (revision of ANSI ICEA S-83-596-2001)

BSR ICEA S-85-625-201x, Telecommunications Cable - Aircore, Polyolefin Insulation, Copper Conductor - Technical Requirements (revision of ANSI ICEA S-85-625-2008)

## TIA (Telecommunications Industry Association)

**Office:** 2500 Wilson Blvd  
Arlington, VA 22201

**Contact:** Ronda Marrow

**Phone:** (703) 907-7974

**Fax:** (703) 907-7727

**E-mail:** rmarrow@tiaonline.org

BSR/TIA 470.330-C-201x, Telecommunications - Telephone Terminal Equipment - Digital Telephone Answering Device Performance Requirements (new standard)

BSR/TIA 568-C.1-1-201x, Commercial Building Telecommunications Cabling Standard - Addendum 1: Pathways and Spaces (supplement to ANSI/TIA 568-C.1-2009)

BSR/TIA 569-C-201x, Commercial Building Standard for Telecommunications Pathways and Spaces (new standard)

## UL (Underwriters Laboratories, Inc.)

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

**Contact:** Beth Northcott

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

**Fax:** (847) 313-3198

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

BSR/UL 1951-201x, Standard for Safety for Electric Plumbing Accessories (revision of ANSI/UL 1951-2003 (R2008))

BSR/UL 2007A-201x, Standard for Shatter Containment of Lamps for Use in Regulated Food Establishments (new standard)

## Call for Members (ANS Consensus Bodies)

### **AWWA (American Water Works Association)**

Office: 6666 West Quincy Avenue  
Denver, CO 80235-3098

Contact: Dawn Flancher

Phone: (303) 347-6195

Fax: (303) 795-1440

E-Mail: [dflancher@awwa.org](mailto:dflancher@awwa.org)

AWWA is seeking experts to serve on Standards Committees. Members provide technical guidance, review, and vote on revisions to ANSI/AWWA standards. Members are needed to represent General Interest (GI), Producers (P), and Users (U). There are currently openings on the following committees:

BSR/ANSI/AWWA 15.472 **Source Water Protection**— GI / P / U

BSR/ANSI/AWWA 15.474 **Business Practices for Operation and Management** — GI / P

BSR/ANSI/AWWA 15.476 **Security Practices for Operation and Management** — P / U

BSR/ANSI/AWWA 15.477 **Communications and Customer Relations**— GI / P

BSR/ANSI/AWWA 15.481 **Reclaimed Water Programs**— P

BSR/ANSI/AWWA 15.501 **Wastewater Treatment Plant Operation and Management**— P

BSR/ANSI/AWWA 15.502 **Wastewater Collection Systems Operation and Management**— P / U

# 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.

## **AIIM (Association for Information and Image Management)**

### ***Reaffirmations***

ANSI/AIIM/ISO 6198-1999 (R2010), Micrographics - Readers for transparent microforms - Performance characteristics (reaffirmation of ANSI/AIIM/ISO 6198-1999): 12/9/2010

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

### ***New Standards***

ANSI/CEA 639-2010, Consumer Camcorder or Video Camera Low Light Performance (new standard): 12/8/2010

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

### ***New Standards***

ANSI/TAPPI T 220 sp-2010, Physical testing of pulp handsheets (new standard): 12/2/2010

ANSI/TAPPI T 454 om-2010, Turpentine test for voids in glassine and greaseproof papers (new standard): 12/2/2010

ANSI/TAPPI T 558 om-2010, Surface wettability and absorbency of sheeted materials using an automated contact angle tester (new standard): 12/2/2010

## **TCNA (ASC A108) (Tile Council of North America)**

### ***Revisions***

ANSI A108.1A-2010, Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar (revision of ANSI A108.1A-2005): 12/8/2010

ANSI A108.14-2010, Installation of Paper-Faced Glass Mosaic Tile (revision of ANSI A108.14-2005): 12/8/2010

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

### ***Reaffirmations***

ANSI/UL 746F-2006 (R2010), Standard for Safety for Polymeric Materials - Flexible Dielectric Film Materials for Use in Printed-Wiring Boards and Flexible Materials Interconnect Constructions (reaffirmation of ANSI/UL 746F-2006): 12/8/2010

### ***Revisions***

ANSI/UL 746A-2010d, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2010): 12/9/2010

ANSI/UL 1004-3-2010a, Standard for Safety for Thermally Protected Motors (Proposal dated 09-03-10) (revision of ANSI/UL 1004-3-2010): 12/8/2010

# 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.

## AISC (American Institute of Steel Construction)

**Office:** 1 East Wacker Drive  
Suite 700  
Chicago, IL 60601

**Contact:** Keith Grubb

**Fax:** (312) 670-5403

**E-mail:** [grubb@aisc.org](mailto:grubb@aisc.org)

BSR/AISC 358-S2-201x, Supplement No. 2 to AISC 358-10, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (supplement to ANSI/AISC 358-2005)

Stakeholders: Structural engineers, steel fabrication industry, researchers, and academics.

Project Need: To add an additional prequalified connection to the main standard.

Adds an additional prequalified connection, the bolted tee stub moment connection, to the standard.

## 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 SBS-201x, Structures for Bulk Solids (new standard)

Stakeholders: Agriculture, consumer, petroleum, chemical.

Project Need: There is currently no U.S. standard for the design and fabrication of structures for bulk solids.

Covers the requirements for vertical stationary containers for the storage and processing of bulk solid materials that operate at gas pressures, not exceeding 15 psi (100 kPa) internal or external at up to 212 F (100 C). Bolted containers are limited to atmospheric pressure.

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

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

**Contact:** Tim Fisher

**Fax:** (847) 296-9221

**E-mail:** [TFisher@ASSE.org](mailto:TFisher@ASSE.org)

BSR ASSE A10.34-2001 (R201x), Protection of the Public on or Adjacent to Construction Sites (reaffirmation of ANSI ASSE A10.34-2001 (R2005))

Stakeholders: Safety, health, and environmental (SH&E) professionals working with construction and demolition operations.

Project Need: Based upon the recommendation of the A10.34 Subgroup and the consensus of the A10 Committee.

Provides the recommended elements and activities on construction projects to provide protection for the public. (NOTE: This is a change. A notice of revision was originally given in July 2009, but the consensus is now to pursue reaffirmation.)

## 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 WK31160-201x, New Specification for Analyzers Used in Exhaust Gas Cleaning Systems (new standard)

Stakeholders: Ships and marine technology industry.

Project Need: To cover the design, manufacture, performance, operation, and testing of analyzers used in Exhaust Gas Cleaning Systems, which are approved to MEPC.184(59).

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK31160.htm>

BSR/ASTM WK31177-201x, New Guide for Manufacturers for Labeling and Care Instructions for Wrestling Mats (new standard)

Stakeholders: Sports equipment and facilities industry.

Project Need: To set forth the labeling and instruction guidelines for manufacturers of wrestling mats. Currently, there is no labeling guidance for wrestling mats. This guide will assist manufacturers with appropriate labeling for their products.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK31177.htm>

**BPI (Building Performance Institute)**

**Office:** 1030 15th Street, N.W., Suite 460-West  
Washington, DC 20005

**Contact:** *Ralph Justus*

**Fax:** (202) 223-9516

**E-mail:** rjustus@bpi.org

BSR/BPI 108-201x, Standard for Residential Building Air Distribution System Energy Performance Applications (new standard)

Stakeholders: Manufacturers of materials and equipment, service providers, contractors and energy efficiency agencies concerned with home performance retrofit of existing buildings.

Project Need: To develop application requirements that improve the energy efficiency of air distribution systems whether they are within the building envelope or outside the building envelope.

Provides requirements for the energy performance of air-distribution systems in residential buildings. This standard includes requirements for typical air-distribution energy performance applications, and these requirements are then applied to other locations that are similar. The energy performance measures are designed to reduce heat transfer and air leakage of the air-distribution system.

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

**Office:** 7900 Turin Rd., Bldg. 3  
Rome, NY 13440

**Contact:** *Christina Earl*

**Fax:** (315) 339-6793

**E-mail:** cearl@esda.org

BSR/ESD S20.20-201x, Protection of Electrostatic Discharge Susceptible Items - Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2007)

Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial.

Project Need: Provides administrative and technical requirements for establishing, implementing and maintaining an ESD Control Program.

Applies to activities that manufacture, process, assemble, install, package, label, service, test, inspect, transport, or otherwise handle electrical or electronic parts, assemblies and equipment susceptible to damage by electrostatic discharges greater than or equal to 100 volts HBM. Activities that handle items that are susceptible to less than 100 volts HBM may require additional control elements or adjusted limits. Processes designed to handle items that have an ESD sensitivity less than 100 volts HBM can still claim compliance to this standard. This document does not apply to electrically initiated explosive devices, flammable liquids or powders.

BSR/ESDA/JEDEC J-STD-001-201x, ESDA/JEDEC Joint Standard for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Component Level (revision of ANSI/ESDA/JEDEC J-STD-001-2010)

Stakeholders: Electronics Industry including telecom, consumer, medical, and industrial.

Project Need: To establish a test method that will replicate HBM failures and provide reliable, repeatable HBM ESD test results from tester to tester, regardless of component type. Repeatable data will allow accurate classifications and comparisons of HBM ESD sensitivity levels.

Establishes the procedure for testing, evaluating, and classifying components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD).

**HL7 (Health Level Seven)**

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

**Contact:** *Karen Van Hentenryck*

**Fax:** (734) 677-6622

**E-mail:** Karenvan@HL7.org

BSR/HL7 EHR ENCPRS, R1-201x, HL7 EHR System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 1 (new standard)

Stakeholders: American Dietetic Association, International Confederation of Dietetic Associations (ICDA).

Project Need: To provide the foundation for acquisition of EHR systems by nutrition health providers and promote information interoperability between nutrition and food systems and other areas of healthcare for a more complete patient care experience

Creates an Electronic Nutrition Care Process Record System (ENCPRS) functional profile based on the Electronic Health Record System Functional Model R1.1 (EHRS-FM). The intent is to develop a standard list of functions and criteria needed for full integration of both the nutrition care process and the International Dietetics and Nutrition Terminology (IDNT) for nutrition care in the ENCPRS into the EHRS, which leverages the placement of the IDNT terminology in UMLS, LOINC, and/or SNOMED.

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

**Office:** 445 Hoes Lane  
Piscataway, NJ 08854

**Contact:** *Lisa Yacone*

**Fax:** (732) 562-1571

**E-mail:** l.yacone@ieee.org

BSR/IEEE 430-201x, Standard Procedures for the Measurement of Radio Noise from Overhead Power Lines and Substations (new standard)

Stakeholders: Utilities, specifically test and field engineers.

Project Need: To create a standard method for measurement of corona-induced noise from power lines in order to address customer complaints and implement corrective measures appropriately.

Establishes uniform procedures for the measurement of radio noise generated by corona from overhead power lines. Measurement procedures in this standard are also valid for other power-line noise sources such as gaps and harmonics; however, most of the precautionary information, analysis, and data plotting techniques were written and developed primarily for corona discharges. The procedures are not valid for measuring transient radio noise sources that occur during breaker or disconnect switching operations.

BSR/IEEE 1453-201x, Recommended Practice for Measurement and Limits of Voltage Fluctuations and Associated Light Flicker on AC Power Systems (identical national adoption and revision of ANSI/IEEE 1453-2004)

Stakeholders: Electric utilities, manufacturers, and electric utility end-users.

Project Need: To provide the industry with a flicker-measuring protocol intended to indicate the correct flicker perception level for all practical voltage-fluctuation waveforms.

Gives a functional and design specification for flicker measuring apparatus intended to indicate the correct flicker perception level for all practical voltage fluctuation waveforms. Information is presented to enable such an instrument to be constructed. A method is given for the evaluation of flicker severity on the basis of the output of flickermeters complying with this standard.

BSR/IEEE 1695-201x, Trial-Use Guide for Assessing Voltages at Publicly and Privately Accessible Locations (new standard)

Stakeholders: Electric utilities, utility customers, state utility regulators, dairy industry, pool and spa industry, equipment manufacturers and other standards entities such as the National Electric Code.

Project Need: Publicly accessible voltages have been reported in the media over the past few years, including fatalities allegedly due to "stray voltage". This phenomena is undefined and no guide or standard exists to address this area of concern.

Addresses the normal and abnormal voltages that exist at publicly and privately accessible locations as a result of the delivery and use of electrical energy (often referred to as stray voltage). This standard focuses primarily on the presence of power frequency related voltages, and discusses definitions, causes, impacts, testing techniques, mitigation strategies, and hazard levels.

BSR/IEEE 1696-201x, Standard for Terminology and Test Methods for Circuit Probes (new standard)

Stakeholders: Aerospace industry.

Project Need: There is a market need based on the plethora of probe products used by industry for circuit characterization, design verification and debugging. This document will benefit probe manufacturers by providing them with a means of comparing their products to those from another manufacturer and, consequently, a basis from which to improve their products.

Provides test method(s) and describes transfer (artifact) standards for characterizing electrical circuit probes and probes systems. The systems may include waveform acquisition hardware and software and signal/waveform analysis software. The probe includes the mechanism by which the circuit is contacted. This method and standard applies to all individual probes having one signal conductor and one ground conductor or two signal conductors, and having an input impedance greater than the impedance of the circuit under test.

BSR/IEEE 1829-201x, Guide for Conducting Corona Tests on Hardware for Overhead Transmission Lines and Substations (new standard)

Stakeholders: Utilities, manufacturers, laboratory engineers.

Project Need: To provide specific information and procedures, some based on existing standards, to obtain uniform, repeatable results in diverse laboratories when testing hardware for use in high-voltage circuits on transmission lines or substation conductors.

Establishes uniform procedures for the testing of transmission line and station bus hardware in high voltage laboratories. Two tests are described, the first is a visual corona test, the second is a radio interference voltage (RIV) test. This guide does not address the permissible radio interference (RI) limits or specified corona extinction voltages. They are set either by regulation or by agreement between the utility and hardware manufacturer.

BSR/IEEE 1851-201x, Standard for Design Criteria of Integrated Sensor-Based Test Applications for Household Appliances (new standard)

Stakeholders: Household appliances enterprises, supervision departments of household appliances quality, and test application developing enterprises.

Project Need: To provide the standard format of testing data of household appliances, which makes it easier for users from different enterprises, including product supervisors of government, to read and exploit such kinds of data. This standard also provides the system framework and several basic Web Services like testing data transforming and transferring, which are the basis for software engineers to develop integrated testing applications.

Defines the integrated framework of the test software for household appliances oriented to the data from intelligent sensors, including system framework, interfaces of Web Services, and data exchange formats.

BSR/IEEE C37.2a-201x, Standard Electrical Power System Device Function Numbers, Acronyms, and Contact Designations: Amendment to Device 7 Definition and to Device 16 Suffix Letter Usage, Revision of One and Addition of New Acronyms (addenda to ANSI/IEEE C37.2-2008)

Stakeholders: All users of C37.2 to describe substation protection and control utilizing Ethernet technology.

Project Need: The use of Ethernet in substation control and protection is growing. This addition to Device 16 suffix letter usage is necessary to fill a gap.

Device 7 - Adding exclusions to the device description (exclusions that already exist, but were previously overlooked);

Device 16 - Adding a means to describe a combined serial/Ethernet device Revision of one acronym and the addition of two new acronyms.

BSR/IEEE C37.242-201x, Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMU) for Power System Protection and Control (new standard)

Stakeholders: Utility protection engineers, device manufacturers, academics, independent system operators, regulators.

Project Need: There is no comprehensive guidance for PMU Synchronization, Calibration, Testing, and Installation established in the industry and, in particular, related to the protection and control applications.

Provides guidance for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMU) applied in Power System Protection and Control. The following are addressed in this Guide:

- Considerations for the installation of PMU devices based on application requirements and typical bus configurations;
- Techniques focusing on the overall accuracy and availability of the time synchronization system;
- Test and calibration procedures for phasor measurement units (PMUs) for laboratory and field applications; and
- Communication testing for connecting PMUs to other devices including Phasor Data Concentrators (PDC).

BSR/IEEE C37.243-201x, Guide for Application of Digital Line Current Differential Relays Using Digital Communication (new standard)

Stakeholders: Engineers responsible for line protection.

Project Need: The art of digital line current differential protection has been advanced enough in the last decade that the industry is ready to provide guidance on applications of these relays to the less experienced practitioners. This guidance will be of importance as proliferation of long-haul communications channels will make the line current differential a scheme of choice for line protection.

Presents practical line-current differential schemes using digital communication. Operating principles, synchronization methods, channel requirements, current transformer requirements, external time reference requirements, backup considerations, testing considerations and troubleshooting are included. This standard also provides specific guidelines for various application aspects including multi-terminal lines, series compensated lines, mutual coupled lines, line charging current, in-zone transformers and reactors, single-pole tripping and reclosing as well as channel and external time sources requirements.

BSR/IEEE C57.13-2008/Cor 1-201x, Standard Requirements for Instrument Transformers - Corrigendum 1: Figure 3 Correction (addenda to ANSI/IEEE C57.13-2008)

Stakeholders: Utilities.

Project Need: To correct Figure 3 to prevent any incorrect application of the accuracy class for the meter application of this standard.

Corrects Figure 3.



BSR/IEEE C57.13.7-201x, Standard for Current Transformers with a Maximum mA Secondary Current of 250mA (new standard)

Stakeholders: Metering service providers (utilities), metering equipment developers and manufacturers, meter shops, current transformer developers and manufacturers, regulatory bodies.

Project Need: The scope of C57.13-2008 does not currently address the mA range CT. This standard will allow the evaluation, certification and specification of mA current transformers similar to the present process available for 5A secondary output current transformers.

Defines the requirements for current transformers with a maximum secondary output current of 250 milliamperes. These requirements of ratios, accuracy classes, burdens and test methods supplement, but are subordinate to, IEEE C57.13-2008, Standard Requirements for Instrument Transformers.

#### ISA (ISA)

**Office:** P.O. Box 12277  
67 Alexander Drive  
Research Triangle Park, NC 27709

**Contact:** Charles Robinson

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

**E-mail:** crobinson@isa.org

BSR/ISA 101.00.01-201x, Human-Machine Interfaces in Manufacturing Applications (new standard)

Stakeholders: All involved in automating manufacturing operations.

Project Need: To enhance the design, implementation, use, and management of human-machine interfaces in manufacturing applications.

The areas covered will include:

- menu hierarchies;
- screen navigation conventions;
- graphics and color conventions;
- dynamic elements;
- alarming conventions;
- security methods and electronic signature attributes;
- interfaces with background programming and historical databases;
- popup conventions;
- help screens and methods used to work with alarms;
- program object interfaces; and
- configuration interfaces to databases, servers, and networks.

BSR/ISA 106.00.01-201x, Procedural Automation for Continuous Process Operations (new standard)

Stakeholders: All industries involved in continuous process

Project Need: To advance the design and implementation of procedures for automating continuous process operations.

Applies to continuous processing applications, addressing topics including:

- Models and terminology;
- Modularization of procedural steps to foster re-use and lower total cost of ownership;
- Exception handling for abnormal situations;
- Process unit orientation with operational perspective;
- Recommended best practices;
- Implementation of start up, shutdown, abnormal situations, hold states, and transition logic;
- Recommended target platform (i.e., control system vs. safety system) for different types of procedures;
- Lifecycle management best practices; and
- Training and certification.

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

**Office:** 140 Philips Rd.  
Exton, PA 19341

**Contact:** Travis Murdock

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

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

BSR/SCTE DVS 1016-201x, Recommended Practice for SCTE 130 (new standard)

Stakeholders: Cable telecommunications industry.

Project Need: To create a new standard.

Serves as an informational enhancement to SCTE 130, Digital Program Insertion - Advertising Systems Interfaces. SCTE 130 is necessarily brief in many areas in order to maintain conciseness and accuracy. This document serves as a companion to SCTE 130.

#### TIA (Telecommunications Industry Association)

**Office:** 2500 Wilson Blvd  
Arlington, VA 22201

**Contact:** Ronda Marrow

**Fax:** (703) 907-7727

**E-mail:** rmarrow@tiaonline.org

BSR/TIA 470.330-C-201x, Telecommunications - Telephone Terminal Equipment - Digital Telephone Answering Device - Performance Requirements (new standard)

Stakeholders: Telecommunications Industry Association.

Project Need: To divide TIA 470-B into subdocuments and adding additional performance requirements relevant to telephone products with analog network interfaces.

Identifies a subdocument structure based on breaking TIA 470-B into subdocuments and adding additional performance requirements relevant to telephone products with analog network interfaces.

# 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)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

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

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



# 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>).

## AIR QUALITY (TC 146)

ISO 11771:2010, Air quality - Determination of time-averaged mass emissions and emission factors - General approach, \$110.00

## DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 14405-1:2010, Geometrical product specifications (GPS) - Dimensional tolerancing - Part 1: Linear sizes, \$129.00

ISO 14406:2010, Geometrical product specifications (GPS) - Extraction, \$86.00

## EARTH-MOVING MACHINERY (TC 127)

ISO 6405-1/Amd1:2010, Earth-moving machinery - Symbols for operator controls and other displays - Part 1: Common symbols - Amendment 1: Additional symbols, \$16.00

## GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19142:2010, Geographic information - Web Feature Service, \$263.00

## GRAPHICAL SYMBOLS (TC 145)

ISO 7010/Amd7:2010, Graphical symbols - Safety colours and safety signs - Safety signs used in workplaces and public areas - Amendment 7, \$16.00

## INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 13584-32:2010, Industrial automation systems and integration - Parts library - Part 32: Implementation resources: OntoML: Product ontology markup language, \$277.00

ISO 13584-42:2010, Industrial automation systems and integration - Parts library - Part 42: Description methodology: Methodology for structuring parts families, \$263.00

ISO 15531-44:2010, Industrial automation systems and integration - Industrial manufacturing management data - Part 44: Information modelling for shop floor data acquisition, \$135.00

## INDUSTRIAL TRUCKS (TC 110)

ISO 22915-14:2010, Industrial trucks - Verification of stability - Part 14: Rough-terrain variable-reach trucks, \$57.00

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

ISO 19901-3:2010, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 3: Topsides structure, \$206.00

## PLASTICS (TC 61)

ISO 178:2010, Plastics - Determination of flexural properties, \$98.00

ISO 3343:2010, Reinforcement yarns - Determination of twist balance index, \$37.00

ISO 4602:2010, Reinforcements - Woven fabrics - Determination of number of yarns per unit length of warp and weft, \$43.00

## QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

ISO 80369-1:2010, Small-bore connectors for liquids and gases in healthcare applications - Part 1: General requirements, \$92.00

## ROAD VEHICLES (TC 22)

ISO 15031-1:2010, Road vehicles - Communication between vehicle and external equipment for emissions-related diagnostics - Part 1: General information and use case definition, \$65.00

## SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 30006:2010, Ship recycling management systems - Diagrams to show the location of hazardous materials onboard ships, \$65.00

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

ISO 4254-11:2010, Agricultural machinery - Safety - Part 11: Pick-up balers, \$86.00

## WATER QUALITY (TC 147)

ISO 9698:2010, Water quality - Determination of tritium activity concentration - Liquid scintillation counting method, \$110.00

## WELDING AND ALLIED PROCESSES (TC 44)

ISO 17640:2010, Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment, \$110.00

## ISO Technical Reports

### APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/TR 14468:2010, Selected illustrations of attribute agreement analysis, \$141.00

### OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/TR 14880-5:2010, Optics and photonics - Microlens arrays - Part 5: Guidance on testing, \$92.00

## ISO Technical Specifications

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

ISO/TS 15926-4/Amd1:2010, Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 4: Initial reference data - Amendment 1, \$16.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-11/Amd7:2010, ExtendedCore2D profile, \$16.00

ISO/IEC 24727-6:2010, Identification cards - Integrated circuit card programming interfaces - Part 6: Registration authority procedures for the authentication protocols for interoperability, \$104.00

ISO/IEC 24787:2010, Information technology - Identification cards - On-card biometric comparison, \$135.00

ISO/IEC 29109-10:2010, Information technology - Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 - Part 10: Hand geometry silhouette data, \$65.00

# Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4946.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## PUBLIC REVIEW

E-CUBE

Public Review: October 29, 2010 to January 27, 2011

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# 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).

### Call for Members

#### Society of Cable Telecommunications

##### ANSI Accredited Standards Developer

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

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

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

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

#### ISO/TC 149 – Cycles

ANSI has been informed by AENOR, the ISO delegated secretariat, that they wish to relinquish the role of the secretariat. ISO/TC 149 operates under the following scope:

Standardization in the field of cycles, their components and accessories with particular reference to terminology, testing methods and requirements for performance and safety, and interchangeability.

Excluded :

- chains and tooth profile;
- tyres, rims and valves;
- toy cycles.

NOTE:

"Cycle" means any vehicle which has at least two wheels and is propelled solely or mainly by the muscular energy of the persons on that vehicle, in particular by means of pedals or hand-crankes.

Information concerning the United States retaining the role of international secretariat may be obtained by contacting Joyce Hsu, ANSI, via e-mail at [jhsu@ansi.org](mailto:jhsu@ansi.org).

### New Secretariat

#### ISO/TC 41/SC 4 – Pulleys and belts (including veebelts)

##### Comment Deadline: January 14, 2011

The Association for Rubber Products Manufacturers (ARPM) has requested ANSI to delegate the responsibilities of the administration of the TC 41/SC 4 secretariat to ARPM. This secretariat was previously held by the Rubber Manufacturers Association (RMA) and the secretariat transfer is supported by the US TAG. The scope of TC 41, which TC 41/SC 4 falls under, is as follows:

Standardization in the field of pulleys and belt drives, particularly grooved pulleys and veebelts, and flat pulleys and belts, including dimensions of pulley hubs; cable drives; driving flywheels. Standardization in the field of conveyor belts.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team [isot@ansi.org](mailto:isot@ansi.org) by January 14, 2011.

## Meeting Notice

### Association of Challenge Course Technology (ACCT) Consensus Group Meeting.

The next meeting of the ACCT Consensus Group has been scheduled for the purpose of processing comments and draft standards for Proposed American National Standard BSR/ACCT 11-2006 for the Challenge Course Industry.

Meeting Date: January 11, 2011

Time: 11:00 am Central time.

The meeting is open to the public. Persons wishing to attend this meeting are required to pre-register by contacting Bill Weaver, ACCT Professional Services Manager; [bill@acctinfo.org](mailto:bill@acctinfo.org); 800-991-0286, extension 913.



## Standards Action Publishing Schedule for 2011, Volume No. 42

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	12/21/2010	12/27/2010	7-JAN	2/6/2011	2/21/2011	3/8/2011
2	12/28/2010	1/3/2011	14-JAN	2/13/2011	2/28/2011	3/15/2011
3	1/4/2011	1/10/2011	21-JAN	2/20/2011	3/7/2011	3/22/2011
4	1/11/2011	1/17/2011	28-JAN	2/27/2011	3/14/2011	3/29/2011
5	1/18/2011	1/24/2011	4-FEB	3/6/2011	3/21/2011	4/5/2011
6	1/25/2011	1/31/2011	11-FEB	3/13/2011	3/28/2011	4/12/2011
7	2/1/2011	2/7/2011	18-FEB	3/20/2011	4/4/2011	4/19/2011
8	2/8/2011	2/14/2011	25-FEB	3/27/2011	4/11/2011	4/26/2011
9	2/15/2011	2/21/2011	4-MAR	4/3/2011	4/18/2011	5/3/2011
10	2/22/2011	2/28/2011	11-MAR	4/10/2011	4/25/2011	5/10/2011
11	3/1/2011	3/7/2011	18-MAR	4/17/2011	5/2/2011	5/17/2011
12	3/8/2011	3/14/2011	25-MAR	4/24/2011	5/9/2011	5/24/2011
13	3/15/2011	3/21/2011	1-APR	5/1/2011	5/16/2011	5/31/2011
14	3/22/2011	3/28/2011	8-APR	5/8/2011	5/23/2011	6/7/2011
15	3/29/2011	4/4/2011	15-APR	5/15/2011	5/30/2011	6/14/2011
16	4/5/2011	4/11/2011	22-APR	5/22/2011	6/6/2011	6/21/2011
17	4/12/2011	4/18/2011	29-APR	5/29/2011	6/13/2011	6/28/2011
18	4/19/2011	4/25/2011	6-MAY	6/5/2011	6/20/2011	7/5/2011
19	4/26/2011	5/2/2011	13-MAY	6/12/2011	6/27/2011	7/12/2011
20	5/3/2011	5/9/2011	20-MAY	6/19/2011	7/4/2011	7/19/2011
21	5/10/2011	5/16/2011	27-MAY	6/26/2011	7/11/2011	7/26/2011
22	5/17/2011	5/23/2011	3-JUN	7/3/2011	7/18/2011	8/2/2011
23	5/24/2011	5/30/2011	10-JUN	7/10/2011	7/25/2011	8/9/2011
24	5/31/2011	6/6/2011	17-JUN	7/17/2011	8/1/2011	8/16/2011
25	6/7/2011	6/13/2011	24-JUN	7/24/2011	8/8/2011	8/23/2011
26	6/14/2011	6/20/2011	1-JUL	7/31/2011	8/15/2011	8/30/2011
27	6/21/2011	6/27/2011	8-JUL	8/7/2011	8/22/2011	9/6/2011
28	6/28/2011	7/4/2011	15-JUL	8/14/2011	8/29/2011	9/13/2011



## Standards Action Publishing Schedule for 2011, Volume No. 42

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
29	7/5/2011	7/11/2011	<b>22-JUL</b>	8/21/2011	9/5/2011	9/20/2011
30	7/12/2011	7/18/2011	<b>29-JUL</b>	8/28/2011	9/12/2011	9/27/2011
31	7/19/2011	7/25/2011	<b>5-AUG</b>	9/4/2011	9/19/2011	10/4/2011
32	7/26/2011	8/1/2011	<b>12-AUG</b>	9/11/2011	9/26/2011	10/11/2011
33	8/2/2011	8/8/2011	<b>19-AUG</b>	9/18/2011	10/3/2011	10/18/2011
34	8/9/2011	8/15/2011	<b>26-AUG</b>	9/25/2011	10/10/2011	10/25/2011
35	8/16/2011	8/22/2011	<b>2-SEP</b>	10/2/2011	10/17/2011	11/1/2011
36	8/23/2011	8/29/2011	<b>9-SEP</b>	10/9/2011	10/24/2011	11/8/2011
37	8/30/2011	9/5/2011	<b>16-SEP</b>	10/16/2011	10/31/2011	11/15/2011
38	9/6/2011	9/12/2011	<b>23-SEP</b>	10/23/2011	11/7/2011	11/22/2011
39	9/13/2011	9/19/2011	<b>30-SEP</b>	10/30/2011	11/14/2011	11/29/2011
40	9/20/2011	9/26/2011	<b>7-OCT</b>	11/6/2011	11/21/2011	12/6/2011
41	9/27/2011	10/3/2011	<b>14-OCT</b>	11/13/2011	11/28/2011	12/13/2011
42	10/4/2011	10/10/2011	<b>21-OCT</b>	11/20/2011	12/5/2011	12/20/2011
43	10/11/2011	10/17/2011	<b>28-OCT</b>	11/27/2011	12/12/2011	12/27/2011
44	10/18/2011	10/24/2011	<b>4-NOV</b>	12/4/2011	12/19/2011	1/3/2012
45	10/25/2011	10/31/2011	<b>11-NOV</b>	12/11/2011	12/26/2011	1/10/2012
46	11/1/2011	11/7/2011	<b>18-NOV</b>	12/18/2011	1/2/2012	1/17/2012
47	11/8/2011	11/14/2011	<b>25-NOV</b>	12/25/2011	1/9/2012	1/24/2012
48	11/15/2011	11/21/2011	<b>2-DEC</b>	1/1/2012	1/16/2012	1/31/2012
49	11/22/2011	11/28/2011	<b>9-DEC</b>	1/8/2012	1/23/2012	2/7/2012
50	11/29/2011	12/5/2011	<b>16-DEC</b>	1/15/2012	1/30/2012	2/14/2012
51	12/6/2011	12/12/2011	<b>23-DEC</b>	1/22/2012	2/6/2012	2/21/2012
52	12/13/2011	12/19/2011	<b>30-DEC</b>	1/29/2012	2/13/2012	2/28/2012
1	12/20/2011	12/26/2011	<b>6-JAN</b>	2/5/2012	2/20/2012	3/6/2012



Proposed Revision of PCC-2 Repair of Pressure Equipment and Piping  
Part 3, Article 3.12 – Draft: July 2010

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### 3.3 Tubes and Tube Bundles

(a) Tubes and tube bundles should be assessed using the data obtained by inspection performed in accordance with Mandatory Appendix I for the types of repairs to perform; plugging by welded, mechanical, or friction fit plugs, partial replacement of the tube bundle, or full replacement of the tube bundle.

(b) When considering the use of mechanical or friction fit plugs, the user should consider the impact on the efficiency and other operational characteristics of the heat exchanger due to the reduction of heat transfer area, especially for heat exchangers that are deemed as critical to the operation and/or process safety of the facility. Consultation with a heat transfer specialist may be necessary.

(c) Sleeves may be installed in tubes to line a region of tube damage or to restore tubes that have thinned. They are not typically used for protection of tube ends; see (d) below and 4.4.

(d) Ferrules may be installed in tubes for entrance erosion protection or for thermal protection of tube ends. They are not typically used for general tube damage; see (c) above and 4.3.

(e) For (c) and (d) above, one should consider

(1) the uniformity of contact between the sleeve or ferrule and tube, see 4.3(b) and 4.4

(2) the possibility of crevice corrosion between the sleeve or ferrule and tube

(3) the possibility of bulging the tube (which can make retubing difficult)

(4) the additional pressure drop

(5) the reduction of tube fluid flow due to the sleeve or ferrule

(6) the additional heat transfer resistance

(7) the differential radial and axial thermal expansion between sleeve or ferrule and tube.

(e)(f) The tube bundle supports should be assessed using the data obtained by inspection performed in accordance with Mandatory Appendix I. If data indicates that failure of tubes is due to damaged support plates, consideration should be given to replacing with alternative designs. Specific items to consider include

(1) the corrosion allowance provided for the support plate should be twice the value for the shell side due to the potential for the plates to corrode at the regions where the tubes penetrate the supports and lead to tube vibration induced issues. If zero, consideration should be given to assigning a nominal value of 3 mm (1/8 in.).

(2) consideration should be given to use of alloy support plates/baffles instead of thicker carbon steel; however, harder material may result in more damage to the tubes rather than the support plates/baffles. Also, the effects of differential thermal expansion should be considered. Consultation with a materials/corrosions specialist may also be necessary.

(3) the spacing between the support plates should be evaluated and adjusted if analysis indicates potential vibration of tubes resulting in damaged tubes and/or support plates. Evaluation per TEMA RCB Section 5 and Section 6 should be considered. Consultation with a heat transfer specialist may also be necessary.

(4) Tube stakes are rods, strips or other devices inserted between tubes for bracing and/or support. They may be used to add tube support to an existing bundle for the purpose of eliminating tube vibration. Installation requires access from the shell side, and the main advantage is that disassembly of the tube bundle is not required. Special consideration may be necessary for the use of stakes in u-tube bends because some stake designs require that the tubes be round and evenly spaced.

Tube stakes were developed for use when a change in tube material or an increased flow rate requires additional tube supports and increasing the number of support plates is not possible or desirable. They can be used anytime additional tube support is required such as to provide additional support for deteriorated or damaged support plates, to provide additional support between segmented baffles, or to provide additional support at inlet nozzles. If tube stakes are fabricated from flat bar and inserted in every other tube row, it may be necessary to vary the bar thickness such that each tube is contacted or even displaced from its original position.

Evaluation of the shell-side pressure drop, and changes in shell-side flow are necessary. The compatibility of tube and stake materials should be evaluated. Also, the effects of differential thermal expansion should be considered.

(4)(g) If impingement protection is required to prevent flow-induced erosion, refer to applicable standards such as API Standard 660, TEMA, and HEI for design requirements.

### 3.6 Bimetallic Shell-to-Tubesheet Welds

When the shell and tubesheet are made of different materials, the thermal stress between the shell and tubesheet should be considered. A common solution to cracking of this weld is to change the shell material to match the tubesheet. An entire shell may be replaced, or bands or shell material may be installed adjacent to the tubesheet. Reevaluation of the heat exchanger mechanical design due to the change in thermal expansion or strength of the shell may be required.

### 3.6.3.7 Shell, Channel, or Other Pressure-Retaining Components

(e) Tracking of pressure loss due to tube pluggage should be considered as some exchanger types cannot function properly beyond certain tubeside pressure losses. Provisions for internal bypass should be considered if repair is not performed in order to prevent failure of pass partitions. Proper design of this bypass can be determined from industry references in section 7 of this Article.

### 4.3 Tubeside Repair by Sleeving Tubes

(a) Sleeving versus tube replacement may be advantageous when repairing previously plugged tubes because of perforations in discreet identifiable locations, or to bridge failures in discreet locations of tubes that are otherwise intact.

(b) The methods of sleeve installation include: forcing a ball through the sleeve, welding the ends of the sleeve, roller expansion of the sleeve, explosive bonding of the sleeve and hydraulic expansion of the sleeve. One should consider the possibility of bulging the tube which can make retubing difficult. A mock-up may be advisable to ensure weld or expansion quality.

(c) A map should be developed to record the number and location of tubes that have been sleeved. Additionally, the number of tubes, cumulative number of tubes versus the service time should be charted. If a sharp increase in tube failures occurs, replacement of the tube bundle should be considered. See Figure 4 for example chart.

Proposed Revision of PCC-2 Repair of Pressure Equipment and Piping  
Part 3, Article 3.12 – Draft: July 2010

**4.4 Tubeside Repair by Ferrule Installation**

Ferrules may be held in place by a flanged end with a tight fit to the tube inside diameter, by expanding the ends of the ferrule into the tube at the tubesheet, or by welding. Uniform contact with the tube may be achieved by roller or hydraulic expansion of the ferrule. One should consider the possibility of bulging the tube which can make retubing difficult. A mock-up may be advisable to ensure weld or expansion quality.

**4.34.5 Tubeside Repair by Pulling Tubes**

(a) Pulling the tube from the exchanger and plugging the tubesheet as described in para. 4.2 should be considered as a repair option when plugging is not a viable alternative, or when the tube will be retained for laboratory metallurgical analysis or other specific examination.

(b) When pulling a tube and not replacing, potential damage to the baffle could occur and consideration to replacing the tube should be made. Consultation with a heat transfer specialist may also be necessary.

**4.44.6 Tubeside Repair by Replacement**

Repair may be performed by tube replacement which may be accomplished in one of the following methods:

(a) replacing individual tubes, which may include repair/refurbishing of the tubesheet in the area of the subject tube

(b) replacement of the entire tube bundle. See para. 3.2(c).

**4.54.7 Tubesheet Repair**

**4.5.14.7.1 Weld Repair of Cracks**

(a) Repair of general cracks that are not completely through the thickness of the tubesheet and are not in the ligaments may be made in accordance with the guidelines of Article 3.4.

(b) Repair of general cracks that are through the thickness of the tubesheet and not in the ligaments may be repaired by preparing a U- or V-shaped groove to the full depth and length of the crack and then filling the groove with weld metal in accordance with paras. 4.5.1 and 4.5.2.

(c) Repair of cracks in the ligament area of the tubesheet may be made in accordance with (a) or (b) above. Consideration may also be given to performing an engineering analysis to determine if the equipment may continue to operate with the damaged tubesheet. This analysis may be performed in accordance with API 579/ASME FFS-1 or other post-construction standard.

(d) When making tubesheet repairs, consideration should be given to the impact of this repair on the tubes in the general area of the repair. The following actions may be necessary:

(1) removal of tubes in the general area of the repair. See para. 4.3(b).

(2) repair of the tube-to-tubesheet joints.

**4.5.24.7.2 Face Repair by Overlay and Machining**

(a) General and localized thinning of tubesheets may be repaired by overlay welding and remachining of the face.

(b) See Article 2.2, for additional items of consideration.

**4.64.8 Tube-to-Tubesheet Joint Repair**

**4.6.14.8.1 Reexpanding**

(a) Cleaning and inspection shall be performed to determine the condition of the tube-to-tubesheet joint prior to performing this type of repair. See para. 4.1.

(b) Tube-to-tubesheet joints with leaks of a small flow rate, otherwise known as weeping tubes, where no apparent damage has occurred to the seating surfaces, may be reexpanded to obtain an acceptable mechanical fit of tube to tubesheet. Rerolling is one acceptable method of reexpanding.

(c) Prior to reexpanding, the existing inside diameter of the tube in the tubesheet shall be determined as well as the loss of material due to corrosion/erosion. Calculations for allowable maximum inside diameter shall be based on measured field conditions, tube properties, and tubesheet ligament condition.

(d) See ASME BPVC Section VIII, Division 1, Appendix HH for additional considerations.

**4.6.24.8.2 Weld Buildup Repair of Tube Holes and Machining**

(a) When a tube is replaced and the tube hole has been damaged, repair may be effected by weld buildup and machining of the hole.

(b) All welded tube hole repairs shall be made using qualified welding procedures. Welders, and welding operators shall be qualified in accordance with the requirements of the applicable code of construction or the applicable post-construction code. Welding procedure qualifications shall include impact tests if required by the applicable code of construction for the tubesheet.

(c) Welding materials and processes shall be as currently permitted by the applicable code of construction or post-construction code for the tubesheet. Welding of carbon and low alloy steels should be performed with low hydrogen electrodes and processes.

(d) Machining of the hole shall be to original manufacturer's specifications for diameter and grooving.

**4.6.34.8.3 Seal Welding or Strength Welding**

(a) Tube-to-tubesheet welds shall be in accordance with the applicable code of construction or post-construction code.

(b) If seal welds are to be made, consideration shall be given to the mechanical tube-to-tubesheet joint to ensure its strength. If seal welds are determined to be inadequate, the weld shall be full strength to ensure the integrity of the joint.

(c) All welds shall be made using qualified welding procedures. Welders, and welding operators shall be qualified in accordance with the requirements of the applicable code of construction or the applicable post-construction code. Welding procedure qualifications shall include impact tests as required by the applicable code of construction for the tubesheet.

(d) Welding materials and processes shall be as currently permitted by the applicable code of construction or post-construction code for the tubesheet. Welding of carbon and low alloy steels should be performed with low hydrogen electrodes and processes.

**4.74.9 Repair of Pressure Containment Components**

Repairs to the heat exchanger shell may be performed to the original code of construction or applicable post-construction code. See also Article 2.1 and Article 2.2.

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# ASC A300

*For Tree Care Operations –  
Tree, Shrub, and Other Woody Plant  
Maintenance  
Standard Practices*



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December 3, 2010

**RE: BSR A300 (Part 9)-201X *Tree Risk Assessment* 30-day PR**

The following are changes for the 30-day public review period (please note definitions will be considered part of the A300 Part 9 standard upon ANSI approval):

## **Clause 92 Definitions**

- New: 92.10** **failure (tree failure):** Breakage of stem or branches, or loss of mechanical support in the root system.
- New: 92.17** **residual risk:** Risk remaining after mitigation.
- New: 92.18** **risk:** Combination of the probability of an event and its consequence.
- New: 92.19** **risk analysis:** Systematic use of information to identify and estimate risk.
- New: 92.20** **risk assessment:** Overall process of risk analysis and risk evaluation.
- New: 92.24** **sounding:** The process of striking a tree with a mallet or other appropriate tool and listening for tones that indicate certain defects.
- New: 92.30** **tree risk assessment:** A systematic process used to identify, analyze and evaluate tree risk.

## **Subclause 93.4.2.2 Level 2**

**Amended: 93.4.2.2.3** An assessment ~~shall~~ should include the identification of conditions indicating the presence of structural defects.

## **Subclause: 93.6 Risk analysis and reporting**

**Amended: 93.6.2** The type of report (oral, written) required ~~shall~~ should be specified in the scope of work.

# ASC A300

*For Tree Care Operations –*

Tree, Shrub, and Other Woody Plant

Maintenance

*Standard Practices*



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December 3, 2010

**RE: BSR A300 (Part 2)-201X Soil Management a. Modification, b. Fertilization, and c. Drainage  
30-day PR, a revision of ANSI A300 (Part 2)-2004 Fertilization**

The following are changes for the 30-day public review period (please note definitions will be considered part of the A300 Part 2 standard upon ANSI approval):

## **Clause 12 Definitions**

**New: 12.9.2 fertilizer, natural inorganic:** A fertilizer that exists in or is produced by nature and may be altered from its original state by physical manipulation.

**New: 12.14 French drain:** A trench filled with gravel or rock that may contain perforated pipe to direct surface or ground water away from an area.

**New: 12.37 soil amendment:** A material incorporated into the soil that improves physical characteristics.

## **Subclause 14.5 Managing soil organic matter content practices**

**Amended: 14.5.4** If soil organic matter content is low, composted organic materials should be incorporated into the soil or applied to the surface as mulch.

**Deleted: [14.5.5** When organic matter is incorporated into the soil, compost should be used.]

## **Subclause 15.7.5 Sub-surface dry fertilization**

**Amended: 15.7.5.3** Hole depth, diameter, and spacing shall be specified. Holes should be 2 to 4 inches (5 to 10 cm) in diameter, spaced 12 to 36 inches (30 to 91 cm) apart, and 4 to 8 (10 to 20 cm) inches deep, and filled no closer than 2 inches from the soil surface.

**Deleted: [15.7.5.5** Fertilizer should be deeper than 2 inches (5 cm).]

BSR/UL 867

21.1 An air-cleaner filter shall comply with the requirements for Class 1 or Class 2 air filters as specified in the Standard for Air Filter Units, UL 900.

*Exception: A filter within a portable product need not comply with this requirement if the filter is not ~~electrically charged and is not~~ located near wiring, a collector-ionizer cell, or other components where ignition is likely to occur.*

21.3 ~~An electrically charged filter~~ A filter that is electrically charged by the appliance shall be tested as described in the Arcing test, 45.4.

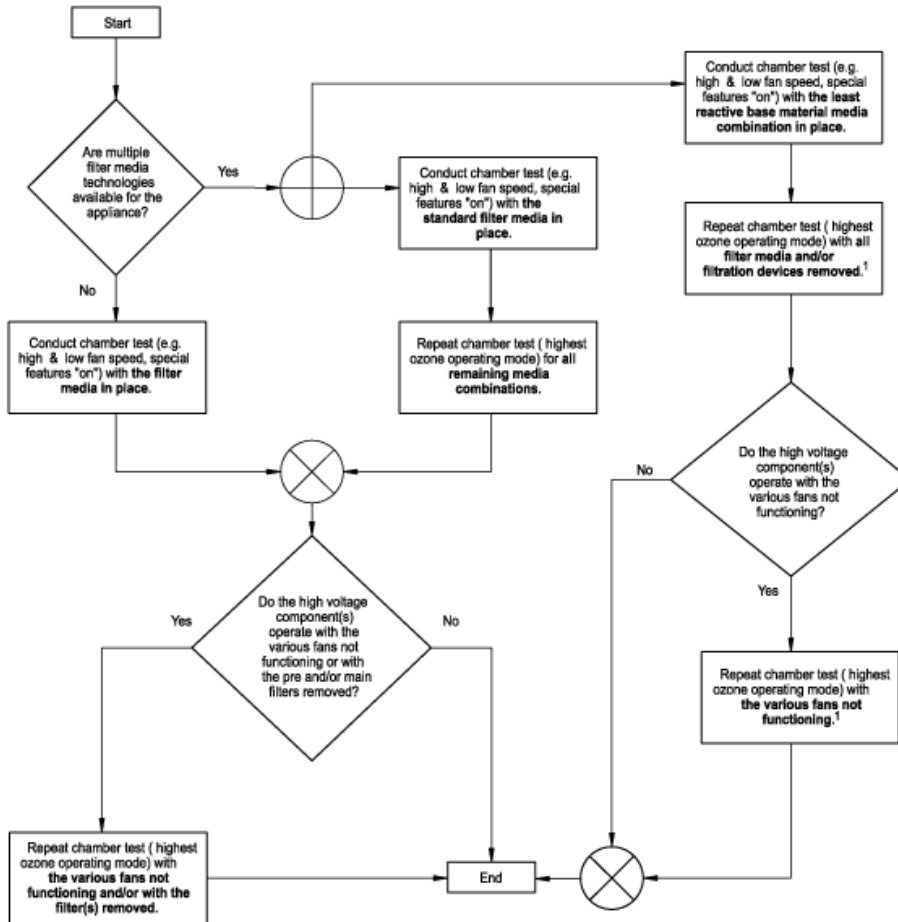
45.4.1 A product having a high-voltage power supply not enclosed as described in 5.2.2 (a), or a product employing ~~an electrically charged filter~~ a filter that is electrically charged by the appliance, shall comply with the requirements in 45.4.2 - 45.4.3 without formation of a heavy carbonizing, low resistive path, or ignition of the materials under test.

Heavy carbonizing is judged by application of a dielectric voltage-withstand potential between the two points, where the arc of 45.4.2 is applied, as required by Section 42 but not less than 1000 volts, 60 hertz for 1 minute.

45.4.2 An arc is to be established between parts that have a potential difference greater than 2500 volts peak or across the surface of ~~an electrically charged filter~~ a filter that is electrically charged by the appliance, using a conductive probe. Materials located between the parts are to be located in the path of the arc. The test is to be continued for 15 minutes unless the glowing or flaming occurs in a shorter time. Three samples are to be tested.

Figure 37.1

Filter Test Iterations Flow Chart



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<sup>1</sup> The chamber test, filter media removed, may be combined with the chamber test, fans not functioning, if agreeable to both the test manufacturer and product manufacturer.