ANSI STANDARDS ACTION

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## Contents



# American National Standards

## Call for comment on proposals listed

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

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

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

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

* Standard for consumer products



**ISSN 0038-9633**

# Comment Deadline: October 16, 2016

## ATIS (Alliance for Telecommunications Industry Solutions)

***New Standard***

BSR/ATIS 1000066-201x, Emergency Telecommunications Service (ETS) Network Element Requirements for IMS-based Next Generation Network (NGN) Phase 2 (new standard)

This standard specifies Emergency Telecommunications Service (ETS) requirements for an Internet Protocol (IP) Multimedia Subsystem (IMS) Core Network for support of Next Generation Network (NGN) Government Emergency Telecommunications Service (GETS) Voice and NGN GETS Video. These requirements further refine the procedures defined in the ETS Phase 1 Network Element Requirements for NGN IMS-based Deployments standard [ATIS 1000023]. In addition, OA&M requirements are specified.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 325-201x, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)

(4) Addition of a new section titled, “Unattended operation control accessory," Section 32.6.

Click here to view these changes in full

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

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 1081-201x, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2016)

Proposal to add requirements for button or coin cell batteries of lithium technologies.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664 -1292, megan.monsen@ul.com

# Comment Deadline: October 31, 2016

## AARST (American Association of Radon Scientists and Technologists)

***New Standard***

BSR/AARST CC-1000-201x, Soil Gas Control Systems in New Construction of Buildings (new standard)

The provisions in this standard provide prescriptive minimum requirements for the construction of any building intended for human occupancy, except for 1- and 2-family dwellings, in order to reduce occupant exposure to radon and other hazardous soil gases. This standard addresses construction of buildings that include, among others, the use of a building or structure, or a portion thereof for multifamily or congregate residential occupancies, educational occupancies and commercial occupancies.

Single copy price: $TBD

Obtain an electronic copy from: www.radonstandards.us

Order from: Gary Hodgden, (202) 830-1110, standards@aarst.org

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

## APA (APA - The Engineered Wood Association)

***Revision***

BSR A190.1-201x, Standard for wood products - Structural Glued Laminated Timber (revision of ANSI A190.1-2012)

This standard contains requirements for the manufacture and quality control of structural glued laminated timber.

Single copy price: Free

Obtain an electronic copy from: borjen.yeh@apawood.org

Order from: Borjen Yeh, (253) 620-7467, borjen.yeh@apawood.org

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

## CRSI (Concrete Reinforcing Steel Institute)

***Revision***

BSR/CRSI RB4.1-201x, CRSI Standard for Supports for Reinforcement Used in Concrete (revision of ANSI/CRSI RB4.1-2014)

This specification covers the design, use, material, and minimum performance requirements of reinforcement supports used in concrete to support various types of reinforcement, including but not limited to plain and deformed reinforcing bars, prestressing steel, post-tensioning tendons, steel wire, and plain and deformed steel welded wire reinforcement.

Single copy price: Free

Obtain an electronic copy from: Anthony Felder (afelder@crsi.org)

Send comments (with copy to psa@ansi.org) to: Anthony Felder (afelder@crsi.org)

## CSA (CSA Group)

***Revision***

BSR Z21.60-201x, Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces (same as CSA 2.26) (revision of ANSI Z21.60-2012)

Details test and examination criteria for decorative appliances for installation in solid-fuel burning fireplaces for use with natural gas and propane. This appliance is defined as a "self-contained, free-standing, gas-burning appliance designed for installation only in a solid-fuel burning fireplace and whose primary function lies in the aesthetic effect of the flame.

Single copy price: Free

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

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

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

## CSA (CSA Group)

***Revision***

BSR Z21.84-201x, Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces (revision of ANSI Z21.84-2012)

Details test and examination criteria for manually lighted, natural gas, decorative gas appliances for installation in solid-fuel burning fireplaces for use with natural gas only at a maximum input ratings of 90,000 Btu/hr. These appliances do not incorporate a pilot burner or an automatic gas ignition system. The main burner is intended to be lighted by hand each time the appliance is used.

Single copy price: Free

Obtain an electronic copy from: Cathy.Rake@csagroup.org

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

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

## NEMA (ASC C78) (National Electrical Manufacturers Association)

***New Standard***

BSR C78.52-201X, Electric Lamps, Light Emitting Diode (LED) Direct Replacement Lamps - Method of Designation (new standard)

This standard describes a system for the designation of LED lamps that are direct replacements for existing ANSI standardized non-LED lamps. Lamps covered in this standard contain LED-based light sources. Direct replacement is defined as LED lamps that shall not require modification of existing equipment.

Single copy price: $75.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld, 703-841-3262, Michael.Erbesfeld@nema.org

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

## NSF (NSF International)

***Revision***

BSR/NSF 50-201x (i108r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

Single copy price: Free

Obtain an electronic copy from: http://standards.nsf.org/apps/group_public/document.php?document_id=34377&wg_abbrev=jc_rwf

Order from: Lauren Panoff, (734) 769-5197, lpanoff@nsf.org

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

## SCTE (Society of Cable Telecommunications Engineers)

***New Standard***

BSR/SCTE 233-201x, Wavelength-Division Multiplex Small Form Factor Pluggable (PXFP-WDM) Optical Transmitter Module Interface Specification (new standard)

A PON Extender architecture utilizing WDM optics enables 10GEPON to be deployed over limited fibers and distances over 20 km. Figure 1 shows a typical system use case for a PON Extender architecture.

Single copy price: $50.00

Obtain an electronic copy from: standards@scte.org

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

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

## SI (Simon Institute)

***New Standard***

BSR/SI-0001-201x, Safe Use of Cleaning Chemicals (new standard)

Cleaning workers and patrons of facilities are injured or killed due to improper chemical handling. Accidents are frequently caused by what are considered to be "safe" household cleaning chemicals. On other occasions the accident is a result of misusing and/or mixing dangerous chemicals that have no place in a regular cleaning operation. Currently there is no available educational, testing and permit issuing process that cleaning workers may be required to pass to enter or remain in the occupations of custodian, janitor and housekeeper. There needs to be a standard and a compliance procedure to ensure that all cleaning workers understand basic chemical handling.

Single copy price: 49.95 (Paper copy)/$19.95 (Electronic copy)

Obtain an electronic copy from: http://simoninstitute.org/si-0001--draft--order--form/

Order from: jim@simoninstitute.org;

http://simoninstitute.org/si-0001--draft--order--form/

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

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

***Reaffirmation***

BSR/TAPPI T 252 om-2012 (R201x), pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (reaffirmation of ANSI/TAPPI T 252 om-2012)

This procedure provides for the extraction of pulp, paper, and paperboard samples using boiling reagent water followed by determination of the pH and conductivity of the extract.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Laurence Womack, (770) 209-7276, standards@tappi.org

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

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

***New Standard***

BSR A326.3-201x, Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials (new standard)

This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials.

Single copy price: $50.00

Obtain an electronic copy from: KSimpson@tileusa.com

Order from: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

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

### UL (Underwriters Laboratories, Inc.)

***Reaffirmation***

BSR/UL 1413-2012 (R201x), Standard for Safety for High-Voltage Components for Television-Type Appliances (reaffirmation of ANSI/UL 1413 -2012)

Reaffirm UL 1413 as an American National Standard. UL 1413 covers flyback transformers, high-voltage multipliers, deflection yokes and picture-tube high-voltage-neck components intended to be employed in television-type appliances. Protective devices or circuits that are an integral part of a component are to be considered as part of that component.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Barbara Davis, Barbara.J. Davis@ul.com

### UL (Underwriters Laboratories, Inc.)

***Reaffirmation***

BSR/UL 2255-2012 (R201x), Standard for Safety for Receptacle Closures (reaffirmation of ANSI/UL 2255-2012)

Reaffirmation and continuance of the second edition of the Standard for Safety for Receptacle Enclosures, UL 2255, as an American National Standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

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

### UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 1309-201X, Standard for Safety for Marine Shipboard Cable (Proposals Dated 9/16/16) (revision of ANSI/UL 1309-2014)

(1) Updates to the Standard for Safety for Marine Shipboard Cable, UL 1309 to coordinate with the Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities, IEEE 1580, Revised Table 4.2 and Table 38.1; (2) Definition of spacing between cable holes, Revised 29.2; (3) Correction to test temperature in 29.3; (4) Clarification of reference to test, Revised 5.4.2.1; (5) Clarification to constructions subject to requirement, Revised 14.1.2, 14.1.3, and 14.2.1; (6) Updated IEC Standard Number, Revised 40.1 (j).

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319 -4297, Linda.L.Phinney@ul.com

# Comment Deadline: November 15, 2016

### ASME (American Society of Mechanical Engineers)

***Reaffirmation***

BSR/ASME B31G-2012 (R201x), Manual for Determining the Remaining Strength of Corroded Pipelines: A Supplement to B31, Code for Pressure Piping (reaffirmation of ANSI/ASME B31G-2012)

This document is intended solely for the purpose of providing guidance in the evaluation of metal loss in pressurized pipelines and piping systems. It is applicable to all pipelines and piping systems within the scope of the transportation pipeline codes that are part of ASME B31 Code for Pressure Piping, namely: ASME B31.4, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids; ASME B31.8, Gas Transmission and Distribution Piping Systems; ASME B31.11, Slurry Transportation Piping Systems; and ASME B31.12, Hydrogen Piping and Pipelines, Part PL. Where the term pipeline is used, it may also be read to apply to piping or pipe conforming to the acceptable applications and within the technical limitations discussed in this Standard.

Single copy price: $75.00

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

For Reaffirmations and Withdrawn standards, please view our catalog at http://www.asme.org/kb/standards

Send comments (with copy to psa@ansi.org) to: Richard Lucas, (212) 591 -7541, lucasr@asme.org

### UL (Underwriters Laboratories, Inc.)

***New National Adoption***

BSR/UL 60335-2-40-201X, Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (identical national adoption of IEC 60335-2 -40 and revision of ANSI/UL 60335-2-40-2012)

Realignment of second edition of UL 60335-2-40 with current edition of IEC 60335-2-40. Add and or revise the national differences covering pressure vessels, dehumidifiers, flammable refrigerants, requirements for transcritical CO2, contactor reliability, partial units, all pole disconnected electric heat, Ni-chrome wire, polymeric materials, and high voltage 601v to 15000v equipment.

Single copy price: $Contact www.comm-2000.com for pricing and delivery options

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

Order from: Comm2000, 151 Eastern Ave, Bensenville, IL 60106 USA 1-888 -853-3503

Send comments (with copy to psa@ansi.org) to: Alan McGrath, (847) 664 -3038, alan.t.mcgrath@ul.com

# Projects Withdrawn from Consideration

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

### ARMA (ARMA International)

BSR/ARMA 5-201X, Vital Records Programs: Identifying, Managing, and Recovering Business-Critical Records (revision of ANSI/ARMA 5-2010)

### ARMA (ARMA International)

BSR/ARMA 19-201x, Policy Design for Managing Electronic Messages (revision of ANSI/ARMA 19-2012)

Inquiries may be directed to Nancy Barnes, (913) 312-5565, standards@armaintl.org

### MAMA (Medical Alert Monitoring Association)

BSR/MAMA 001-201x, PERS: Medical Alert Monitoring (new standard)

### MHI (ASC MHC) (Material Handling Industry)

BSR MH10.8.11-200x, Unit loads and transport packages - RFID for North American border crossing (new standard)

### MHI (ASC MHC) (Material Handling Industry)

BSR MH10.8.16-201x, Standard for Material Handling - Label Adhesive Characteristics, Mark Durability and Recyclability (revision and redesignation of ANSI MH10.8.7-2005)

### MHI (Material Handling Industry)

BSR MH10.8.1-201x, Standard for Material Handling - Automatic Identification and Data Capture Techniques Used in Shipping, Receiving, and Transport Applications (new standard)

### MHI (Material Handling Industry)

BSR MH10.8.14-200x, Unique Digital Identification (UDI) for Supply Chain Entities (new standard)

### MHI (Material Handling Industry)

BSR MH10.8.7-201x, Standard for Material Handling - Labeling and Direct Product Marking with Linear Bar Code and Two-Dimensional Symbols (new standard)

### MHI (Material Handling Industry)

BSR MH16.2-200x, A Code of Safety Practices for the Use of Industrial and Commercial Steel Storage Racks (new standard)

### MHI (Material Handling Industry)

BSR MH26.1-200x, Specifications for Industrial Metal Containers (new standard)

### MHI (Material Handling Industry)

BSR MH28.1-200x, Design, Testing, Utilization and Application of Industrial Grade Steel Shelving (new standard)

### MHI (Material Handling Industry)

BSR/CEA 802-200x, Product Marking Standard (new standard)

## 30 Day Notice of Withdrawal: ANS 5 to 10 years past approval date

In accordance with clause 4.7.1 Periodic Maintenance of American National Standards of the ANSI Essential Requirements, the following American National Standards have not been reaffirmed or revised within the five-year period following approval as an ANS. Thus, they shall be withdrawn at the close of this 30-day public review notice in Standards Action.

### IAPMO (ASC Z124) (International Association of Plumbing & Mechanical Officials)

ANSI IAPMO Z124.4-2006, Plastic Water Closet Bowls and Tanks

### IAPMO (ASC Z124) (International Association of Plumbing & Mechanical Officials)

ANSI/IAPMO Z124.3-2005, Plastic Lavatory Units

### IAPMO (ASC Z124) (International Association of Plumbing & Mechanical Officials)

ANSI/IAPMO Z124.6-2007, Plastic Sinks

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

ANSI N317-2005, Performance Criteria for Instrumentation Used for Inplant Plutonium Monitoring

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

ANSI N320-2005, Performance Specifications for Reactor Emergency Radiological Monitoring Instrumentation

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

ANSI/IEEE 1-2000 (R2005), Recommended Practice - General Principles for Temperature Limits in the Rating of Electrical Equipment and for the Evaluation of Electrical Insulation

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

ANSI/IEEE 43-2000 (R2006), Recommended Practice for Testing Insulation Resistance of Rotating Machinery

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

ANSI/IEEE 145-2004, Standard Definitions of Terms for Antennas

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

ANSI/IEEE 208-1995 (R2005), Standard on Video Techniques: Measurement of Resolution of Camera Systems, 1993 Techniques

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

ANSI/IEEE 300-1988 (R2006), Standard Test Procedures for Semiconductor Charged-Particle Detectors

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

ANSI/IEEE 301-1988 (R2006), Standard Test Procedures for Amplifiers and Preamplifiers used with Detectors of Ionizing Radiation

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

ANSI/IEEE 336-2005, Guide for Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Nuclear Facilities

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

ANSI/IEEE 398-1972 (R2006), Standard Test Procedures for Photomultipliers for Scintillation Counting and Glossary for Scintillation Counting Field

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

ANSI/IEEE 421.5-2005, Recommended Practice for Excitation System Models for Power System Stability Studies

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

ANSI/IEEE 515.1-2005, Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Commercial Applications

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

ANSI/IEEE 583-1982 (R2006), Standard Modular Instrumentation and Digital Interface System (CAMAC) (Computer Automated Measurement and Control)

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

ANSI/IEEE 595-1982 (R2006), Standard Serial Highway Interface System (CAMAC) (Computer Automated Measurement and Control)

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

ANSI/IEEE 596-1982 (R2006), Standard Parallel Highway Interface System (CAMAC) (Computer Automated Measurement and Control)

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

ANSI/IEEE 647-2006, Standard Specification Format Guide and Test Procedure for Single-Axis Laser Gyros

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

ANSI/IEEE 675-1982 (R2006), Standard Multiple Controllers in a CAMAC Crate (Computer Automated Measurement and Control)

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

ANSI/IEEE 683-1976 (R2006), Recommended Practice for Block Transfers in CAMAC Systems (Computer Automated Measurement and Control)

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

ANSI/IEEE 690-2004, Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations

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

ANSI/IEEE 692-1997 (R2005), Standard Criteria for Security Systems for Nuclear Power Generating Stations

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

ANSI/IEEE 693-2005, Recommended Practice for Seismic Design of Substations

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

ANSI/IEEE 726-1982 (R2006), Standard Real-Time BASIC for CAMAC (Computer Automated Measurement and Control)

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

ANSI/IEEE 758-1979 (R2006), Standard Subroutines for Computer Automated Measurement and Control (CAMAC)

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

ANSI/IEEE 802.1X-2004, Standard for Local and Metropolitan Area Networks - Port-Based Network Access Control

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

ANSI/IEEE 802.1ad-2005, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment 4: Provider Bridges

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

ANSI/IEEE 802.15.3b-2005, Amendment to Standard for Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks Specific Requirements - Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN): Amendment to MAC Sublayer

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

ANSI/IEEE 813-1988 (R2005), Specification Format Guide and Test Procedure for Two-Degree-of-Freedom Dynamically Tuned Gyros

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

ANSI/IEEE 828-2005, Standard for Software Configuration Management Plans

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

ANSI/IEEE 833-2005, Recommended Practice for the Protection of Electric Equipment in Nuclear Power Generating Stations from Water Hazards

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

ANSI/IEEE 844-2000 (R2006), Recommended Practice for Electrical Impedance, Induction, and Skin Effect Heating of Pipelines and Vessels

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

ANSI/IEEE 933-1999 (R2004), Guide for the Definition of Reliability Program Plans for Nuclear Power Generating Stations

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

ANSI/IEEE 957-2005, Guide for Cleaning Insulators

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

ANSI/IEEE 960-1993 (R2006), Standard FASTBUS Modular High-Speed Data Acquisition and Control System and FASTBUS Standard Routines

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

ANSI/IEEE 982.1-2005, Standard Dictionary of Measures of the Software Aspects of Dependability

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

ANSI/IEEE 1010-2006, Guide for Control of Hydroelectric Power Plants

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

ANSI/IEEE 1012-2004, Standard for Software Verification and Validation

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

ANSI/IEEE 1076.1.1-2004, Standard VHDL Analog and Mixed-Signal Extensions - Packages for Multiple Energy Domain Support

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

ANSI/IEEE 1100-2005, Recommended Practice for Powering and Grounding Electronic Equipment

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

ANSI/IEEE 1115-2000 (R2006), Recommended Practice for Sizing Nickel-Cadmium Batteries for Stationary Applications

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

ANSI/IEEE 1147-2005, Guide for the Rehabilitation of Hydroelectric Power Plants

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

ANSI/IEEE 1160-1993 (R2006), Standard Test Procedures for High-Purity Germanium Crystals for Radiation Detectors

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

ANSI/IEEE 1205-2000/Cor1-2006, Guide for Assessing, Monitoring, and Mitigating Aging Effects on Class 1E Equipment Used in Nuclear Power Generating Stations - Corrigendum 1: Thermal Aging Model Corrections

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

ANSI/IEEE 1214-1992 (R2006), Standard Multichannel Analyzer (MCA) Histogram Data Interchange Format for Nuclear Spectroscopy

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

ANSI/IEEE 1220-2005, Standard for Application and Management of the Systems Engineering Process

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

ANSI/IEEE 1242-1999 (R2005), Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants

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

ANSI/IEEE 1247-2005, Standard for Interrupter Switches for Alternating Current, Rated above 1000 Volts

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

ANSI/IEEE 1267-2005, Guide for Development of Specification for Turnkey Substation Projects

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

ANSI/IEEE 1276-2006, Guide for the Application of High-Temperature Insulation Materials in Liquid-Immersed Power Transformers

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

ANSI/IEEE 1284-2000 (R2006), Standard Signaling Method for a Bidirectional Parallel Peripheral Interface for Personal Computers

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

ANSI/IEEE 1289-2004, Guide for the Application of Human Factors Engineering in the Design of Computer-Based Monitoring and Control Displays for Nuclear Power Generating Stations

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

ANSI/IEEE 1290-1996 (R2005), Guide for Motor Operated Valve (MOV) Motor Application, Protection, Control, and Testing in Nuclear Power Generating Stations

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

ANSI/IEEE 1291-1993 (R2005), Guide for Partial Discharge Measurements in Power Switchgear

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

ANSI/IEEE 1309-2005, Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9 kHz to 40 GHz

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

ANSI/IEEE 1313.2-1999 (R2005), Guide for the Application of Insulation Coordination

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

ANSI/IEEE 1434-2005, Guide to the Measurement of Partial Discharges in Rotating Machinery

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

ANSI/IEEE 1441-2004, Guide for Inspection of Overhead Transmission Line Construction

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

ANSI/IEEE 1482.1-1999 (R2005), Standard for Rail Transit Vehicle Event Recorders

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

ANSI/IEEE 1484.11.3-2005, Standard for Learning Technology Extensible Markup Language (XML) Schema Binding for Data Model for Content Object Communication

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

ANSI/IEEE 1484.12.3-2005, Standard for Learning Technology - Extensible Markup Language (XML) Schema Definition Language Binding for Learning Object Metadata

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

ANSI/IEEE 1491-2005, Guide for Selection and Use of Battery Monitoring Equipment in Stationary Applications

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

ANSI/IEEE 1527-2006, Recommended Practice for the Design of Flexible Buswork Located in Seismically Active Areas

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

ANSI/IEEE 1528a-2005, Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques - Amendment 1: Include CAD File for Human Head Model (SAM Phantom)

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

ANSI/IEEE 1538-2000 (R2005), Guide for Determination of Maximum Winding Temperature Rise in Liquid-Filled Transformers

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

ANSI/IEEE 1560-2005, Standard for Methods of Measurement of Radio Frequency Power Line Interference Filter in the Range of 100 Hz to 10 GHz

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

ANSI/IEEE 1566-2006, Standard for Performance of Adjustable-Speed AC Drives Rated 375 kW and Larger

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

ANSI/IEEE 1613-2003/Cor1-2006, Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations - Corrigendum 1

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

ANSI/IEEE 1646-2004, Standard Communication Delivery Time Performance Requirements for Electric Power Substation Automation

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

ANSI/IEEE 1650-2005, Standard Test Methods for Measurement of Electrical Properties of Carbon Nanotubes

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

ANSI/IEEE 1666-2006, Standard System C Language Reference Manual

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

ANSI/IEEE 14143.1-2000 (R2005), Information Technology - Software Measurement - Functional Size Measurement - Part 1: Definition of Concepts

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

ANSI/IEEE C37.09a-2005, Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Amendment 1: Capacitance Current Switching

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

ANSI/IEEE C37.010-1999 (R2005), Application Guide for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis

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

ANSI/IEEE C37.10.1-2000 (R2006), Guide for the Selection of Monitoring for Circuit Breakers

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

ANSI/IEEE C37.20.2-1999 (R2005), Metal-Clad and Station-Type Cubicle Switchgear

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

ANSI/IEEE C37.66-2005, Standard Requirements for Capacitor Switches for Alternating-Current Systems (1 to 38 kV)

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

ANSI/IEEE C37.113-1999 (R2004), Guide for Protective Relay Applications to Transmission Lines

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

ANSI/IEEE C37.118-2005, Standard for Synchrophasors for Power Systems

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

ANSI/IEEE C57.12.01-2005, Standard General Requirements for Dry-Type Distribution and Power Transformers Including Those with Solid-Cast and/or Resin-Encapsulated Windings

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

ANSI/IEEE C57.12.28-2005, Standard for Pad-Mounted Equipment - Enclosure Integrity

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

ANSI/IEEE C57.12.29-2005, Standard for Pad-Mounted Equipment - Enclosure Integrity for Coastal Environments

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

ANSI/IEEE C57.12.44-2005, Standard Requirements for Secondary Network Protectors

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

ANSI/IEEE C57.13.3-2005, Guide for Grounding of Instrument Transformer Secondary Circuits and Cases

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

ANSI/IEEE C57.19.01-2000 (R2005), Standard Performance Characteristics and Dimensions for Outdoor Apparatus Bushings

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

ANSI/IEEE C57.19.03-1996/Cor 1-2005, Standard Requirements, Terminology, and Test Code for Bushings for DC Applications - Corrigendum 1

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

ANSI/IEEE C57.116-1990 (R2005), Guide for Transformers Directly Connected to Generators

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

ANSI/IEEE C57.117-1986 (R2005), Guide for Reporting Failure Data for Power Transformers and Shunt Reactors on Electric Utility Power Systems

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

ANSI/IEEE C57.125-2005, Guide for Failure Investigation, Documentation, and Analysis for Power Transformers and Shunt Reactors

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

ANSI/IEEE C57.134-2000 (R2006), Guide for Determination of Hottest-Spot Temperature in Dry-Type Transformers

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

ANSI/IEEE C57.136-2000 (R2005), Guide for Sound Level Abatement and Determination for Liquid-Immersed Power Transformers and Shunt Reactors Rated Over 500 kVA

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

ANSI/IEEE C57.138-1998 (R2005), Recommended Practice for Routine Impulse Test for Distribution Transformers

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

ANSI/IEEE C62.11-2005, Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)

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

ANSI/IEEE C62.42-2005, Guide for the Application of Component Surge-Protective Devices for Use in Low-Voltage (Equal to or Less than 1000 Vrms or 1200 Vdc) Circuits

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

ANSI/IEEE C62.48-2005, Guide on Interactions between Power System Disturbances and Surge Protective Devices

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

ANSI/IEEE C62.92.1-2000 (R2005), Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part 1 - Introduction

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

ANSI/IEEE C62.92.2-1989 (R2005), Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part II - Grounding of Synchronous Generator Systems

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

ANSI/IEEE C95.2-2005, Standard for Radio-Frequency Energy and Current-Flow Symbols

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

ANSI/IEEE C95.7-2005, Recommended Practice for Radio Frequency Safety Programs, 3 kHz to 300 GHz

### NACE (NACE International, The Worldwide Corrosion Authority)

ANSI/NACE RP0104-2004, The Use of Coupons for Cathodic Protection Monitoring Applications

### NFPA (National Fire Protection Association)

ANSI/NFPA 295-2003, Standard for Wildfire Control

## Notice of Withdrawn ANS by an ANSI-Accredited Standards Developer

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

### UL (Underwriters Laboratories, Inc.)

ANSI/ISA 60079-27 (12.02.04)-2007, Fieldbus intrinsically safe concept (FISCO) and Fieldbus non-incendive concept (FNICO)

Questions may be directed to: Deborah Prince, (919) 549-1460, Deborah.Prince@ul.com

### UL (Underwriters Laboratories, Inc.)

ANSI/UL 1448-2001 (R2006), Standard for Safety for Electric Hedge Trimmers

Questions may be directed to: Tim Corder, (919) 549-1841, William.T.Corder@ul.com

### UL (Underwriters Laboratories, Inc.)

ANSI/UL 1448-2001 (R2010), Standard for Safety for Electric Hedge Trimmers (Proposal dated 09-17-10)

Questions may be directed to: Tim Corder, (919) 549-1841, William.T.Corder@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.

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**AWS (American Welding Society)**

**Office:** 8669 NW 36th Street, #130
Miami, Florida 33166-6672

*Contact:* *Annik Babinski*

**Phone:** (800) 443-9353

**Fax:** (305) 443-5951

**E-mail:** ababinski@aws.org

BSR/AWS D8.10M-201X, Specification for Automotive Weld Quality - Laser Beam Welding of Steel (new standard)

**BOMA (Building Owners and Managers Association)**

**Office:** 1101 15th Street, NW
Washington, DC 20005

*Contact:* *Tanner Johnston*

**Phone:** (202) 326-6357

**E-mail:** tjohnston@boma.org

BSR/BOMA Z65.2-201x, Industrial Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.2-2012)

BSR/BOMA Z65.3-201x, Gross Areas of a Building: Standard Methods of Measurement (revision of ANSI/BOMA Z65.3-2009)

BSR/BOMA Z65.4-201x, Multi-Unit Residential Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.4-2010)

BSR/BOMA Z65.5-201x, Retail Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.5-2010)

BSR/BOMA Z65.6-201x, Mixed-Use Properties: Standard Methods of Measurement (revision of ANSI/BOMA Z65.6-2012)

**ECIA (Electronic Components Industry Association)**

**Office:** 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

*Contact:* *Laura Donohoe*

**Phone:** (571) 323-0294

**Fax:** (571) 323-0245

**E-mail:** ldonohoe@ecianow.org

BSR/EIA 364-78C-201x, Cavity-to-Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-78B-2010)

**ISA (International Society of Automation)**

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

*Contact:* *Charles Robinson*

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

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

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

BSR/ISA 95.00.08-201x, Enterprise-Control Systems Integration - Part 8: Manufacturing Operations Management Information Exchange Profiles (new standard)

BSR/ISA 112.01-201x, SCADA Systems - Part 1: Overview and Terminology (new standard)

BSR/ISA 61511-2 (84.00.01)-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of ISA-61511-1 (identical national adoption of IEC 61511-2:2016 and revision of ANSI/ISA 84.00.01, Part 2 (IEC 61511-2 Mod)-2004)

BSR/ISA 61511-3 (84.00.01)-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels (identical national adoption of IEC 61511-3:2016 and revision of ANSI/ISA 84.00.01, Part 3 (IEC 61511-3 Mod)-2004)

**NEMA (ASC C137) (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street, Suite 900
Rosslyn, VA 22209

*Contact:* *Karen Willis*

**Phone:** (703) 841-3277

**E-mail:** Karen.willis@nema.org

BSR C137.2-201x, Standard for Lighting Systems - Cybersecurity Requirements for Lighting Systems for Parking Facilities (new standard)

**NSF (NSF International)**

**Office:** 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

*Contact:* *Lauren Panoff*

**Phone:** (734) 769-5197

**E-mail:** lpanoff@nsf.org

BSR/NSF 50-201x (i108r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015)

# Call for Members (ANS Consensus Bodies)

## Call for Committee Members

### ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.org.

# 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.

## AMCA (Air Movement and Control Association)

***Revision***

* ANSI/AMCA 210-2016, ANSI/ASHRAE 51- 2016, Laboratory Methods of Testing Fans for Aerodynamic Performance Rating (revision of ANSI/AMCA 210/ASHRAE Standard 51-2007): 8/26/2016

## ASCE (American Society of Civil Engineers)

***Revision***

ANSI/ASCE/SEI 25-2016, Earthquake Actuated Gas Shutoff Valves (revision of ANSI/ASCE/SEI 25-2007): 9/2/2016

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

***Addenda***

ANSI/ASHRAE 34ab-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 8/30/2016

ANSI/ASHRAE 34ac-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1ay-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1bd-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1bs-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1cb-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1cf-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1cm-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1de-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1el-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/IES 90.1i-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 8/30/2016

ANSI/ASHRAE/USGBC/IES 189.1j-2016, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2014): 8/30/2016

ANSI/ASHRAE/USGBC/IES 189.1m-2016, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Addendum m to Standard 189.1-201x): 8/30/2016

ANSI/ASHRAE/USGBC/IES 189.1q-2016, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2014): 8/30/2016

## ASME (American Society of Mechanical Engineers)

***Revision***

ANSI/ASME B31.8-2016, Gas Transmission and Distribution Piping Systems (revision of ANSI/ASME B31.8-2014): 8/26/2016

ANSI/ASME B31.8S-2016, Managing System Integrity of Gas Pipelines (revision of ANSI/ASME B31.8S-2014): 8/26/2016

## IEEE (Institute of Electrical and Electronics Engineers)

***New Standard***

ANSI/IEEE 1789-2015, Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers (new standard): 9/7/2016

ANSI/IEEE 2030.2-2015, Guide for the Interoperability of Energy Storage Systems Integrated with the Electric Power Infrastructure (new standard): 9/7/2016

ANSI/IEEE 26531-2015, ISO/IEC/IEEE International Standards for Systems and software engineering - Content management for product life-cycle, user, and service management documentation (new standard): 9/7/2016

***Supplement***

ANSI/IEEE 1547.1a-2015, Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems - Amendment 1 (supplement to ANSI/IEEE 1547.1 -2006 (R2012)): 9/7/2016

## UL (Underwriters Laboratories, Inc.)

***New National Adoption***

* ANSI/UL 62841-3-1-2016, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-1: Particular Requirements for Transportable Table Saws (national adoption with modifications of IEC 62841-3-1): 8/29/2016

***Revision***

ANSI/UL 224-2016, Standard for Safety for Extruded Insulating Tubing (revision of ANSI/UL 224-2010): 9/2/2016

* ANSI/UL 1839-2016, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2009 (R2014)): 8/31/2016

# Project Initiation Notification System (PINS)

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

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

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

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**API (American Petroleum Institute)**

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

*Contact:* *Benjamin Coco*

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

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

BSR/API RP 2GEN/ISO 19900-201x, Petroleum and natural gas industries - General requirements for offshore structures (national adoption with modifications of ISO 19900:2013)

Stakeholders: Oil and gas operating companies.

Project Need: Update applicable content for U.S. offshore waters to serve as a guidance document.

This standard specifies general principles for the design and assessment of offshore structures subjected to known or foreseeable types of actions. The standard also specifies design principles that are applicable to the successive stages in construction (fabrication, transportation and installation), the use of the structure during its intended life and for its decommissioning. Generally, the principles are applicable to the assessment or modification of existing structures. Aspects related to quality control are also addressed.

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

**Office:** 275 West Street
Suite 107
Annapolis, MD 21401

*Contact:* *Ambria Frazier*

**E-mail:** Ambria.frazier@x9.org

BSR X9.100-130-2011 (R201x), Universal Interbank Batch/Bundle Ticket (reaffirmation of ANSI X9.100-130-2011)

Stakeholders: Financial institutions, processing vendors, hardware and software manufacturers, check manufacturers.

Project Need: Universal batch/bundle tickets are internal documents used by every item processor, whether a financial institution processes their own documents or hires a third party processor. Batch tickets are used to begin each batch of document processing.

This standard specifies the required elements of the Universal Interbank Batch/Bundle Ticket. It is expected that bankers refer to this standard when designing this form. This standard is sufficiently flexible to meet differing document and institution needs without unnecessary constraints.

BSR X9.100-150-2010 (R201x), Check Carrier Envelopes (reaffirmation of ANSI X9.100-150-2010)

Stakeholders: Banks, remittance centers, equipment manufacturers (Reader Sorters).

Project Need: Carrier Envelopes are still a high-volume item used in Reader Sorters by banks and remittance centers. Operational efficiency relies on the envelope meeting the standards that were established by ANSI X9.29.

This Standard covers design considerations applying to carriers used for forward transit items, return items, and other bank interchange purposes.

* BSR X9.100-151-2010 (S201x), Check Correction Strips (stabilized maintenance of ANSI X9.100-151-2010)

Stakeholders: Financial institutions, designers and producers of correction strips, developers of processing hardware equipment and software

Project Need: Formalizing and controlling strip characteristics through this specification.

This standard covers the design and the functional characteristics of the strip extension (“strip”) as affixed to a check. These strips provide a new MICR clear band area used to modify or correct the MICR line of items for forward collection, returns, rejects, or other banking interchange systems.

BSR X9.104-1-2004 (R201x), Financial transactions card originated messages - Card acceptor to acquiring host messages: Messages, data elements and code values (reaffirmation and redesignation of ANSI X9.104, Part 1-2004 (R2010))

Stakeholders: Financial Services industry.

Project Need: Standard needed to define exchange of information between POS and terminal devices.

Part 1 of this two-part standard defines a common interface for the exchange of information between point of sale systems or terminal devices located in a retail establishment and the acquiring host transaction processing system(s). Part 2 of this two-part American National Standard X9.104 provides example of messages used in the convenience store and petroleum marketing industry based on the message formats defined in X9.104, part 1.

BSR X9.104-2-2004 (R201x), Financial transaction card originated messages - Card acceptor to acquiring host messages - Part 2: Convenience store and petroleum marketing industry (reaffirmation and redesignation of ANSI X9.104, Part 2-2004 (R2010))

Stakeholders: Financial Services industry.

Project Need: Standard needed to define exchange of information between POS and terminal devices.

Part 2 of this two-part American National Standard X9.104 provides example of messages used in the convenience store and petroleum marketing industry based on the message formats defined in X9.104, part 1.

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

**Office:** Two Park Avenue
New York, NY 10016

*Contact:* *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** ansibox@asme.org

BSR/ASME PTC 46-201x , Overall Plant Performance (revision of ANSI/ASME PTC 46-2015)

Stakeholders: Manufacturers of power-producing equipment, industrial power plant owners and operators.

Project Need: This revision will update the Code requirements and include several examples for new technology elements and plant configurations.

The object of this Code is to provide uniform test methods and procedures for the determination of the thermal performance and electrical output of heat-cycle electric power plants and cogeneration facilities.

BSR/ISO/ASME 14414-201x, Pump System Energy Assessment (identical national adoption of ISO/ASME 14414:2015 and revision of ANSI/ISO/ASME 14414-2015)

Stakeholders: Consultants, suppliers, utilities and energy services companies, equipment manufacturers, laboratories, end users, distributors and trade associations, academia, industrial assessment centers, and government.

Project Need: The concepts were initiated through the US DOE Industrial Technologies Program concept of Superior Energy Performance as a means to encourage improved industrial energy efficiency and environmental performance. These efforts provide a mechanism to assign greater value to energy efficiency improvements, independently verify resulting energy savings, receive public recognition for achievements, and "raise the bar" for industrial energy efficiency.

This standard sets the requirements for conducting and reporting the results of a pumping system energy assessment (hereafter referenced as "assessment") that considers the entire pumping system, from energy inputs to the work performed as the result of these inputs. The objective of a pumping system energy assessment is to determine the current energy consumption of an existing system and identify ways to improve system efficiency.
These requirements consist of:
- organizing and conducting an assessment,
- analyzing the data from the assessment, and
- reporting and documenting assessment findings.

**ASTM (ASTM International)**

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

*Contact:* *Corice Leonard*

**Fax:** (610) 834-3683

**E-mail:** accreditation@astm.org

BSR/ASTM WK55841-201x, New Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field (new standard)

Stakeholders: Artificial Turf Surfaces and Systems industry.

Project Need: This specification establishes an in situ test method and maximum impact attenuation value for all types of turf playing systems and for a number of sport-specific field layouts.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK55841.htm

**AWS (American Welding Society)**

**Office:** 8669 NW 36th Street, #130
Miami, Florida 33166-6672

*Contact:* *Annik Babinski*

**Fax:** (305) 443-5951

**E-mail:** ababinski@aws.org

BSR/AWS D8.10M-201X, Specification for Automotive Weld Quality - Laser Beam Welding of Steel (new standard)

Stakeholders: Major automotive manufacturers and other OEM and tier suppliers of automotive body components.

Project Need: This document will standardize laser-beam weld inspection procedures and establish guidelines for process control and quality acceptance of laser-beam welds in automotive body applications.

This specification defines quality characteristics and metrics pertinent to laser beam welding on steels used in automotive body applications. The evaluation methods and inspection criteria specified herein can be used to evaluate the effectiveness of particular welding equipment and procedures used to weld a particular base material combination. The criteria and metrics are the same for all welds regardless of the service load. Welds that do not meet the weld quality criteria of this specification may be satisfactory for certain applications. The acceptance criteria of this standard are not intended for applications outside this scope: this may lead to erroneous results.

**AWS (American Welding Society)**

**Office:** 8669 NW 36 Street, #130
Miami, FL 33166

*Contact:* *Stephen Hedrick*

**E-mail:** steveh@aws.org

BSR/AWS B5.5-201x, Specification for the Qualification of Welding Educators (revision of ANSI/AWS B5.5-2011)

Stakeholders: Educators, welders.

Project Need: To define the requirements and program for the qualification of welding educators.

This specification establishes the attributes required for determining the qualification of welding educators for career technical education programs and other welder training programs, and Associates of Applied Science Welding Technology programs by qualifying as Welding Educator and Welding Technology Educator, respectively. Welder training programs may be part of a school, college, technical center, independent laboratory, manufacturing plant, or other party. This document becomes mandatory when invoked by a referencing document such as a state educational standard, specification, or contract document.

**BOMA (Building Owners and Managers Association)**

**Office:** 1101 15th Street, NW
Washington, DC 20005

*Contact:* *Tanner Johnston*

**E-mail:** tjohnston@boma.org

* BSR/BOMA Z65.2-201x, Industrial Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.2-2012)

Stakeholders: Property owners and managers, facility managers, brokers, appraisers, assessors, lenders, insurers, developers, construction and design professionals, and others who need unequivocal, direct measure of the physical size of an industrial building.

Project Need: Work will be done to update drawings, clarify definitions, and strengthen methodologies contained within the existing standard.

This standard outlines the dominant North American market practices for measuring the area of industrial properties. It contains two methods: Method A or the exterior wall method, and method B or the drip line method. Definitions and illustrations supporting and clarifying the different methods are also present. This standard is not intended to be submitted for consideration as an ISO or ISO/IEC JTC-1 standard.

* BSR/BOMA Z65.3-201x, Gross Areas of a Building: Standard Methods of Measurement (revision of ANSI/BOMA Z65.3-2009)

Stakeholders: Property owners and managers, facility managers, brokers, appraisers, assessors, lenders, insurers, developers, construction and design professionals, and others who need unequivocal, direct measure of the physical size of a building.

Project Need: Work will be done to update drawings, clarify definitions, and strengthen methodologies contained within the existing standard.

These methods are intended for application to buildings containing all types of occupancies, including office, retail, industrial, single and multi-unit residential, hospitality, entertainment, and institutional buildings, both private and public. They can be applied to both new and existing buildings containing single or multiple stories that are either owner occupied or leased to one or multiple tenants. They are not intended for application to site improvements other than buildings. This standard is not intended to be submitted for consideration as an ISO or ISO/IEC JTC-1 standard.

* BSR/BOMA Z65.4-201x, Multi-Unit Residential Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.4-2010)

Stakeholders: Property owners, tenants, shareholders, managers, realtors, appraisers, assessors, lenders, insurers, design professionals, builders and contractors, and others who need unequivocal, direct measure of the physical size of the floor area of a multi-unit residential building.

Project Need: Work will be done to update drawings, clarify definitions, and strengthen methodologies contained within the existing standard.

This standard is intended for measurement of floor areas in new and existing multi-unit residential buildings containing 4 or more living units including not only rental apartments but also residential condominiums, cooperatives, and other types of common interest communities where required or permitted by their declarations and/or local statutes. This standard does not address single unit homes, duplex or triplex residential buildings, townhomes, row houses, or cluster houses. This standard is not intended to be submitted for consideration as an ISO or ISO/IEC JTC-1 standard.

* BSR/BOMA Z65.5-201x, Retail Buildings: Standard Methods of Measurement (revision of ANSI/BOMA Z65.5-2010)

Stakeholders: Property owners, tenants, shareholders, managers, realtors, appraisers, assessors, lenders, insurers, design professionals, builders and contractors, and others who need unequivocal, direct measure of the physical size of a retail building.

Project Need: Work will be done to update drawings, clarify definitions, and strengthen methodologies contained within the existing standard.

This standard is intended for application to buildings containing retail types of occupancies. Its purpose is to establish a consistent, unambiguous measurement of gross leasable area, and to allow comparison of values on the basis of a clearly understood and generally agreed upon method of measurement. Although references are made to a development parcel, this standard is not intended for application to site improvements other than buildings. This standard is not intended to be submitted for consideration as an ISO or ISO/IEC JTC-1 standard.

* BSR/BOMA Z65.6-201x, Mixed-Use Properties: Standard Methods of Measurement (revision of ANSI/BOMA Z65.6-2012)

Stakeholders: Property owners and managers, facility managers, brokers, appraisers, assessors, lenders, insurers, developers, construction and design professionals, and others who need unequivocal, direct measure of the physical size of a multi-use building.

Project Need: Work will be done to update drawings, clarify definitions, and strengthen methodologies contained within the existing standard.

These methods are intended for application to buildings containing two or more use components, including, but not limited to, office, retail, industrial, single and multi-unit residential, hospitality, entertainment, civic and institutional buildings, both private and public. They can be applied to both new and existing properties containing single or multiple floors or buildings, and properties that are either owner occupied or leased to single or multiple tenants. They are not intended for application to site improvements other than buildings, and do not address the measurement of spatial volume.

**ECIA (Electronic Components Industry Association)**

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BSR/EIA 364-78C-201x, Cavity-to-Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-78B-2010)

Stakeholders: Electronics, Electrical, and Telecommunications industries.

Project Need: Revise and redesignate current American National Standard.

This standard establishes a technique for evaluating the sealing integrity of the contact cavity walls of an environmentally sealed electrical connector by detecting leakage between a given contact cavity and those adjacent to it. This technique is suitable for application at the onset of a series of environmental tests (e.g., qualification or periodic inspection) to evaluate the soundness of the product before the start of test.

**ICC (International Code Council)**

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**E-mail:** ewirtschoreck@iccsafe.org

BSR/ICC 1100-201x, Standard for Spray-Applied Polyurethane Foam Plastic Insulation (new standard)

Stakeholders: Code officials, spray-applied foam plastic insulation manufacturers, design professionals, product testing and certification agencies.

Project Need: Construction codes have requirements for thermal resistance of insulating materials but currently include limited material standards for certain types of insulating materials. The purpose is to develop a performance standard based upon existing ICC-ES Acceptance Criteria and related documents for spray-applied foam plastic insulation for use by industry and possible inclusion in construction codes.

The standard will establish the minimum physical and performance properties as well as application requirements for spray-applied foam plastic insulations.

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

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Piscataway, NJ 08854-4141

*Contact:* *Lisa Weisser*

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BSR/IEEE 473-201x, Recommended Practice for an Electromagnetic Site Survey (10 kHz to 40 GHz) (new standard)

Stakeholders: Facility owners and operators, equipment manufacturers and installers, test facilities.

Project Need: There is currently no active standard that provides guidance for performing an EM Site Survey.

This recommended practice sets the framework for performing an Electromagnetic (EM) Site Survey in the frequency range of 10 kHz to 40 GHz. The EM Site Survey is intended to be a systematic, documented investigation of the measurable characteristics of the electromagnetic fields at one or more frequencies and locations as necessary during a designated time period, which yields results that are interpretable and communicable among subsequent investigators.

BSR/IEEE 802.1Qcr-201x, Standard for Local and Metropolitan Area Networks -Bridges and Bridged Networks Asynchronous Traffic Shaping (new standard)

Stakeholders: Developers, providers, and users of networking services and equipment for streaming of time-sensitive data. This includes software developers, networking integrated circuit developers, bridge and network interface controller vendors, and users.

Project Need: There is well-defined traffic that requires zero congestion loss and deterministic latency. Current bridging standards do not provide a sufficiently fine-grained asynchronous traffic mechanism to meet these requirements without using network topology information. This project specifies mechanisms that do not rely on synchronous communication, thereby providing independence from clock synchronization mechanisms and higher link utilization than synchronous mechanisms.

This project specifies procedures and managed objects for a bridge to perform asynchronous traffic shaping over full-duplex links with constant bit data rates. Asynchronous traffic shaping provides an additional layer of shaped egress queues to merge flows into the existing queue structure. The required minimum number of independent queues at an egress port is adjustable and is at least the number of ingress ports of the particular bridge that require merging. The project provides an informative framework for worst-case delay analysis in static networks/configurations.

BSR/IEEE 802.16s-201x, Standard for Air Interface for Broadband Wireless Access Systems Amendment: Fixed and Mobile Wireless Access in Channel Bandwidth up to 1.25 MHz (new standard)

Stakeholders: Stakeholders include users and customers in multiple markets, including electric and natural gas utilities, oil and gas companies, transportation including commercial and public rail, and public sector entities including federal state and local governments. Stakeholders also include spectrum license holders and equipment manufacturers with an interest in standardized products to achieve economies of scale.

Project Need: Mission-critical entities have a strong preference for private, licensed networks in VHF/UHF frequencies for their data communications needs. VHF/UHF licensed channels narrower than 1.25 MHz are readily available in the secondary markets at a lower cost than commercial wideband channels. Example operating frequencies include 217 MHz, 700 MHz, 900 MHz, and 1.4 GHz. The base standard, and thus this amendment, is not limited to specific operating frequencies.

This project specifies Wireless MAN-OFDMA TDD operation in exclusively licensed spectrum with channel bandwidth from 100 kHz up to 1.25 MHz, including 1 MHz explicitly. The amendment will target operation in the 700 MHz band but will also support operation in other VHF/UHF bands. The project amends Clause 12 of IEEE Std 802.16, adding a new system profile and amending other clauses as required to support the narrower channel widths. The range and data rate supported by the added profile are commensurate with those of the base standard, as scaled by the reduced channel bandwidth.

BSR/IEEE 1722-201x/Cor 1-201x, Standard for a Transport Protocol for Time Sensitive Applications in a Bridged Local Area Network - Corrigendum 1 (new standard)

Stakeholders: Developers and users of bridged LANs and end stations supporting audio, video and other time sensitive applications.

Project Need: Section I.2.6 contains incorrect additional fields text.

Correct additional fields text in Section I.2.6.

BSR/IEEE 3001.4-201x, Recommended Practice for Estimating the Costs of Industrial and Commercial Power Systems (new standard)

Stakeholders: Those individuals responsible for estimating the costs of industrial and commercial power systems. Also, owners/operators of industrial and commercial power systems and manufacturers of related equipment and components.

Project Need: This new standard is part of a larger project to revise and reorganize the technical content of the 13 existing IEEE Color Books. Benefits of the project include, but are not limited to: (1) the elimination of duplicate material that now exists in the various color books, (2) the speeding up of the revision process by allowing Color Book content to be reviewed, edited, and balloted in smaller segments, and (3) accommodating more modern, efficient, and cost-effective physical publishing/distribution methods.

This recommended practice describes how to estimate the costs of industrial and commercial power systems, both new and those undergoing expansion or modernization. This recommended practice is restricted to the development of the relative capital cost of industrial and commercial power distribution systems. While this document briefly points out considerations related to total cost or true cost, as well as some technical considerations, other standards and references should be referred to for a thorough analysis of these aspects of power distribution systems.

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BSR/ISA 95.00.08-201x, Enterprise-Control Systems Integration - Part 8: Manufacturing Operations Management Information Exchange Profiles (new standard)

Stakeholders: Automation end users and suppliers in the process industries.

Project Need: To advance the application of the ISA-95 series of standards.

This is Part 8 of a series of standards that define the interfaces between enterprise activities and control activities. The scope of this Part 8 standard is limited to defining the details of the interface content within manufacturing operations management (MOM, Level 3) and Level 3 to Levels 2 and 4.

BSR/ISA 112.01-201x, SCADA Systems - Part 1: Overview and Terminology (new standard)

Stakeholders: Automation end users and suppliers in all industries that depend on SCADA systems.

Project Need: To improve SCADA (supervisory control and data acquisition systems) design, installation, integration, and operation across industry.

Will cover the multi-industry and inter-industry aspects of SCADA systems - that is, definitions, terminology, normative/informative references, and common hardware.

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BSR/ISA 61511-2 (84.00.01)-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of ISA-61511-1 (identical national adoption of IEC 61511-2:2016 and revision of ANSI/ISA 84.00.01, Part 2 (IEC 61511-2 Mod)-2004)

Stakeholders: All sectors of the processing industries, including chemical and petroleum.

Project Need: US adoption of IEC standard.

Provides guidance on the specification, design, installation, operation, and maintenance of SIFs and related SIS as defined in ISA-61511-1.

BSR/ISA 61511-3 (84.00.01)-201x, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels (identical national adoption of IEC 61511-3:2016 and revision of ANSI/ISA 84.00.01, Part 3 (IEC 61511-3 Mod)-2004)

Stakeholders: All sectors of the processing industries, including chemical and petroleum.

Project Need: US adoption of IEC standard.

Provides information on the relationship of risk to safety integrity; the determination of tolerable risk; different methods that enable the SIL for the SIF to be determined; and the impact of multiple safety systems on risk calculations.

**NEMA (ASC C137) (National Electrical Manufacturers Association)**

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BSR C137.2-201x, Standard for Lighting Systems - Cybersecurity Requirements for Lighting Systems for Parking Facilities (new standard)

Stakeholders: Manufacturers, users, specifiers, test labs, government or authorities having jurisdiction (AHJ).

Project Need: This project is needed to apply and augment a framework that fills the cybersecurity standards gaps required by lighting systems. The NIST Guide to Industrial Control Systems Security (SP800-82) has been identified as the framework to be augmented and applied.

To provide cybersecurity requirements for Lighting Systems used in Parking Facilities with public access. This standard provides specifications for the protection of signals and data to, from and within the lighting system, potentially including those that may initiate, control, or monitor non-lighting functions. This standard is not intended to address parking facilities with enhanced security requirements, such as critical infrastructure sectors. This standard does not apply to cybersecurity for safety-related cybersecurity.

# American National Standards Maintained Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit *ANSI Online* at www.ansi.org/asd, select “Standards Activities,” click on “Public Review and Comment” and “American National Standards Maintained Under Continuous Maintenance.” This information is also available directly at www.ansi.org/publicreview.

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

# ANSI-Accredited Standards Developers Contact Information

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

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**APA**
APA - The Engineered Wood Association

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**ASTM**
ASTM International

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**ATIS**
Alliance for Telecommunications Industry Solutions

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**AWS**
American Welding Society

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**BOMA**
Building Owners and Managers Association

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**CRSI**
Concrete Reinforcing Steel Institute

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**NSF**
NSF International

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**SCTE**
Society of Cable Telecommunications Engineers

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**SI**
Simon Institute

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

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**TCNA (ASC A108)**
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# ISO & IEC Draft International Standards

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

**Comments**

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

**Ordering Instructions**

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

## ISO Standards

**ACOUSTICS (TC 43)**

ISO/DIS 10848-1, Acoustics - Laboratory measurement of the flanking transmission of airborne and impact noise between adjoining rooms - Part 1: Frame document - 11/11/2020, $102.00

ISO/DIS 10848-2, Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 2: Application to Type B elements when the junction has a small influence - 9/28/2016, $58.00

ISO/DIS 10848-3, Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 3: Application to Type B elements when the junction has a substantial influence - 9/28/2016, $53.00

ISO/DIS 10848-4, Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 4: Application to junctions with at least one Type A element - 9/28/2016, $46.00

**AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO/DIS 18322, Space systems - General quality and safety requirements for space test centers - 11/30/2016, $93.00

**FLOOR COVERINGS (TC 219)**

ISO/DIS 11856, Textile floor coverings - Test methods for the determination of fibre bind using a modified martindale machine - 12/2/2016, $33.00

**FLUID POWER SYSTEMS (TC 131)**

ISO/DIS 6162-2, Hydraulic fluid power - Flange connectors with split or one-piece flange clamps and metric or inch screws - Part 2: Flange connectors for use at pressures of 35 MPa (350 bar) to 40 MPa (400 bar), DN 13 to DN 51 - 11/12/2019, $82.00

ISO/DIS 8434-1, Metallic tube connections for fluid power and general use - Part 1: 24° cone connectors [revision of ISO 8434-1:2007] - 10/2/2016, $125.00

**GRAPHIC TECHNOLOGY (TC 130)**

ISO/DIS 12636, Graphic technology - Blankets for offset printing - 11/30/2016, $62.00

ISO/DIS 16613-1, Graphic technology - Variable content replacement - Part 1: Using PDF/X for variable content replacement (PDF/VCR-1) - 10/2/2016, $93.00

**INFORMATION AND DOCUMENTATION (TC 46)**

ISO/DIS 20614, Data exchange protocol for interoperability and preservation - 9/30/2016, $134.00

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

ISO 7919-3/DAmd1, Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts - Part 3: Coupled industrial machines - Amendment 1 - 10/2/2016, $33.00

ISO 7919-4/DAmd1, Mechanical vibration - Evaluation of machine vibration by measurements on rotating shafts - Part 4: Gas turbine sets with fluid-film bearings - Amendment 1 - 10/2/2016, $40.00

ISO 10816-3/DAmd1, Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 3: Industrial machines with nominal power above 15 kW and nominal speeds between 120 r/min and 15 000 r/min when measured in situ - Amendment 1 - 10/2/2016, $33.00

ISO 10816-4/DAmd1, Mechanical vibration - Evaluation of machine vibration by measurements on non-rotating parts - Part 4: Gas turbine sets with fluid-film bearings - Amendment 1 - 10/2/2016, $33.00

ISO/DIS 20816-2, Mechanical vibration - Measurement and evaluation of machine vibration - Part 2: Land-based gas turbines, steam turbines and generators in excess of 40 MW, with fluid-film bearings and rated speeds of 1 500 r/min, 1 800 r/min, 3 000 r/min and 3 600 r/min - 9/30/2016, $88.00

**OPTICS AND OPTICAL INSTRUMENTS (TC 172)**

ISO/DIS 14135-1, Optics and optical instruments - Specifications for telescopic sights - Part 1: General-purpose instruments - 11/7/2028, $46.00

**OTHER**

ISO/DIS 20701, Leather - Tests for colour fastness - Colour fastness to saliva - 9/29/2016, $33.00

**ROAD VEHICLES (TC 22)**

ISO/DIS 12619-8, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 8: Pressure indicator - 10/2/2016, $40.00

ISO/DIS 12619-9, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blends fuel system components - Part 9: Pressure relief valve (PRV) - 10/2/2016, $40.00

ISO/DIS 15118-4, Road vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test - 11/30/2016, $301.00

ISO/DIS 12619-10, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 10: Pressure relief valve (PRD) - 10/2/2016, $58.00

ISO/DIS 12619-11, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 11: Excess flow valve - 10/2/2016, $40.00

ISO/DIS 12619-12, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 12: Gas-tight housing and ventilation hoses - 10/2/2016, $40.00

ISO/DIS 12619-13, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 13: Rigid fuel line in stainless steel - 10/2/2016, $33.00

ISO/DIS 12619-14, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 14: Flexible fuel line - 10/2/2016, $40.00

ISO/DIS 12619-15, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 15: Filter - 10/2/2016, $33.00

ISO/DIS 12619-16, Road vehicles - Compressed gaseous hydrogen (CGH2) and hydrogen/natural gas blend fuel system components - Part 16: Fittings - 10/2/2016, $33.00

**SHIPS AND MARINE TECHNOLOGY (TC 8)**

ISO/DIS 6482, Shipbuilding - Deck machinery - Warping end profiles - 9/30/2016, $33.00

ISO/DIS 7825, Shipbuilding - Deck machinery - General requirements - 9/30/2016, $40.00

ISO/DIS 19636, Ships and marine technology - General requirements for inclinometers used for determination of trim and list of LNG carriers - 11/30/2016, $58.00

ISO/DIS 20438, Ships and marine technology - Offshore mooring chains - 9/30/2016, $82.00

ISO/DIS 19891-1, Ships and marine technology - Specifications for gas detectors intended for use on board ships - Part 1: Portable gas detectors for atmosphere testing of enclosed spaces - 9/29/2016, $40.00

**SPRINGS (TC 227)**

ISO 26910-1/DAmd1, Springs - Shot peening - Part 1: General procedures - Amendment 1 - 9/29/2016, $33.00

**SURFACE CHEMICAL ANALYSIS (TC 201)**

ISO/DIS 20411, Surface chemical analysis - Secondary ion mass spectrometry - Correction method for saturated intensity in single ion counting dynamic secondary ion mass spectrometry - 12/2/2016, $62.00

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

ISO/DIS 19237, Intelligent transport systems - Pedestrian detection and collision mitigation systems (PDCMS) - Performance requirements and test procedures - 9/30/2016, $77.00

ISO/DIS 14813-6, Intelligent transport systems - Reference model architecture(s) for the ITS sector - Part 6: Data presentation in ASN.1 - 9/30/2016, $53.00

**TYRES, RIMS AND VALVES (TC 31)**

ISO/DIS 4223-1, Definitions of some terms used in the tyre industry - Part 1: Pneumatic tyres - 9/29/2016, $77.00

**WATER QUALITY (TC 147)**

ISO/DIS 20899, Water quality - Plutonium and neptunium - Test method using ICP-MS - 9/28/2016, $58.00

**WATER RE-USE (TC 282)**

ISO/DIS 20760-1, Water reuse in urban areas - Guidelines for centralized water reuse system - Part 1: Design principle of a centralized water reuse system - 9/30/2016, $88.00

ISO/DIS 20760-2, Water reuse in urban areas - Guidelines for centralized water reuse system - Part 2: Management of a centralized water reuse system - 9/30/2016, $62.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-5/DAmd1, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding - Amendment 1: Reference software for screen content coding extensions - 12/2/2016, $29.00

ISO/IEC DIS 18477-5, Information technology - Scalable compression and coding of continuous-tone still images - Part 5: Reference software - 10/2/2016, $71.00

ISO/IEC DIS 19823-10, Information technology - Conformance test methods for security service crypto suites - Part 10: Crypto suite AES-128 - 9/30/2016, $93.00

# IEC Standards

22/275/CDV, IEC 62477-2 Ed.1: Safety Requirements for Power Electronic Converter Systems and Equipment - Part 2: Power Electronic Converters from 1000 V a.c. or 1500 V d.c. up to 36 kV a. c. or 54 kV d.c., 12/02/2016

29/910/CDV, Amendment 2 to IEC 61252 Ed.1: Electroacoustics - Specifications for personal sound exposure meters, 12/02/2016

29/912/CDV, Amendment 1 to IEC 61260-2 Ed.1: Electroacoustics - Octave-band and fractional octave-band filters, 12/02/2016

29/914/CDV, Amendment 1 to IEC 61672-2 Ed.2: Electroacoustics - Sound level meters - Part 2: Pattern evaluation tests, 12/02/2016

31/1261/CDV, IEC 60079-15/Ed5: Explosive atmospheres - Part 15: Equipment protection by type of protection "n", 12/02/2016

31/1262/CDV, IEC 60079-0/Ed7: Explosive atmospheres - Part 0: Equipment - General requirements, 12/02/2016

34/350/NP, PNW 34-350: Lighting systems and related equipment - Vocabulary, 12/02/2016

34/353/NP, PNW 34-353: Apparatus for lighting purposes - Non-active mode power measurement, 12/02/2016

34A/1942/FDIS, IEC 62922 Ed.1: Organic light emitting diode (OLED) panels for general lighting - Performance requirements, 10/21/2016

34C/1266/CD, IEC 62386-221 Ed. 1: Digital addressable lighting interface - Part 221: Particular requirements for control gear - Load Shedding (device type 20), 12/02/2016

34C/1268/NP, PNW 34C-1268: IEC 62386-104: Digital addressable lighting interface - Part 104: General requirements - Wireless system components, 12/02/2016

45B/848/CDV, IEC 62401 Ed.2: Radiation protection instrumentation - Alarming Personal Radiation Devices (PRD) for detection of illicit trafficking of radioactive material, 12/02/2016

45B/849/CDV, IEC 62327 Ed.2: Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the estimation of ambient dose equivalent rate from photon radiation, 12/02/2016

46/619/CD, IEC 62153-4-8 Edition 2.0- Metallic communication cable test methods - Part 4-8: Electromagnetic compatibility (EMC) - Capacitive coupling admittance, 12/02/2016

46/621/CD, IEC 62153-4-7 AMD1: Test method for measuring the transfer impedance ZT and the screening attenuation as or coupling attenuation aC of RF-connectors and assemblies up to and above 3 GHz, triaxial tube in tube method, 12/02/2016

47/2316/CDV, IEC 60749-43 Ed.1: Semiconductor devices - Mechanical and climatic test methods - Part 43: Guidelines for IC reliability qualification plans, 12/02/2016

49/1199/CD, IEC 62604-2 Ed.2: Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality - Part 2: Guidelines for the use, 12/02/2016

57/1775/NP, Communication networks and systems for power utility automation - Part XXX: System management for IEC 61850 (proposed IEC 61850-XXX TS), 12/02/2016

65E/512/FDIS, IEC 61987-16 Ed. 1.0: Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 16: Lists of properties (LOPs) for density measuring equipment for electronic data exchange, 10/21/2016

68/545/CDV, IEC 60404-8-7 Ed.4: Magnetic materials - Part 8-7: Specifications for individual materials - Cold-rolled grain-oriented electrical steel strip and sheet delivered in the fully-processed state, 12/02/2016

68/546/CDV, IEC 60404-8-8 Ed.2: Magnetic materials - Part 8-8: Specifications for individual materials - Thin electrical steel strip and sheet for use at medium frequencies, 12/02/2016

88/600/FDIS, IEC 61400-25-4 Ed.2: Wind energy generation systems - Part 25-4: Communications for monitoring and control of wind power plants - Mapping to communication profile, 10/21/2016

100/2787/CD, IEC 61938 Ed.3: Multimedia systems - Guide to the recommneded characteristics of analogue interfaces to achieve interoperability, 12/02/2016

104/701/CD, IEC 60068-2-10 A1 Ed.6: Environmental testing - Part 2 -10: Tests - Test J and guidance: Mould growth, 12/02/2016

104/703/CD, IEC 60068-2-74 A1 Ed.1: Environmental testing - Part 2: Tests - Test Xc: Fluid contamination, 12/02/2016

104/705/CD, IEC 60721-2-7 Ed.2: Classification of environmental conditions - Part 2: Environmental conditions appearing in nature. Fauna and flora. Ed.2, 12/02/2016

110/775/CDV, IEC 62908-1-2 Ed.1: Touch and interactive displays - Part 1-2: Generic - Terminology and letter symbols, 12/02/2016

110/776/CDV, IEC 62908-12-10 Ed.1: Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, 12/02/2016

CIS/A/1184/DC, Proposed amendment of CISPR 16-4-5 - Radiated Power Limits for the use of re-verberation chambers for radiated disturbance measurements, 10/21/2016

# Newly Published ISO & IEC Standards

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

## ISO Standards

**AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO 17851:2016, Space systems - Space environment simulation for material tests - General principles and criteria, $149.00

**FLUID POWER SYSTEMS (TC 131)**

ISO 1219-3:2016, Fluid power systems and components - Graphical symbols and circuit diagrams - Part 3: Symbol modules and connected symbols in circuit diagrams, $149.00

**IMPLANTS FOR SURGERY (TC 150)**

ISO 14243-2:2016, Implants for surgery - Wear of total knee-joint prostheses - Part 2: Methods of measurement, $51.00

**INDUSTRIAL FURNACES AND ASSOCIATED PROCESSING EQUIPMENT (TC 244)**

ISO 13577-1:2016, Industrial furnaces and associated processing equipment - Safety - Part 1: General requirements, $200.00

**SURFACE CHEMICAL ANALYSIS (TC 201)**

ISO 15471:2016, Surface chemical analysis - Auger electron spectroscopy - Description of selected instrumental performance parameters, $51.00

ISO 17973:2016, Surface chemical analysis - Medium-resolution Auger electron spectrometers - Calibration of energy scales for elemental analysis, $88.00

## IEC Standards

**ELECTRICAL ACCESSORIES (TC 23)**

IEC 62873-2 Ed. 1.0 en:2016, Residual current operated circuit-breakers for household and similar use - Part 2: Residual current devices (RCDs) - Vocabulary, $206.00

IEC 62873-3-1 Ed. 1.0 en:2016, Residual current operated circuit-breakers for household and similar use - Part 3-1: Particular requirements for RCDs with screwless-type terminals for external copper conductors, $73.00

IEC 62873-3-2 Ed. 1.0 en:2016, Residual current operated circuit-breakers for household and similar use - Part 3-2: Particular requirements for RCDs with flat quick-connect terminations, $61.00

IEC 62873-3-3 Ed. 1.0 en:2016, Residual current operated circuit-breakers for household and similar use - Part 3-3: Specific requirements for RCDs with screw-type terminals for external untreated aluminium conductors and with aluminium screw-type terminals for use with copper or with aluminium conductors, $97.00

**FIRE HAZARD TESTING (TC 89)**

IEC 60695-10-3 Ed. 2.0 b:2016, Fire hazard testing - Part 10-3: Abnormal heat - Mould stress relief distortion test, $55.00

IEC 60695-1-21 Ed. 1.0 b:2016, Fire hazard testing - Part 1-21: Guidance for assessing the fire hazard of electrotechnical products - Ignitability - Summary and relevance of test methods, $230.00

**POWER ELECTRONICS (TC 22)**

IEC 61975 Ed. 1.1 b:2016, High-voltage direct current (HVDC) installations - System tests, $545.00

IEC 61975 Amd.1 Ed. 1.0 b:2016, Amendment 1 - High-voltage direct current (HVDC) installations - System tests, $121.00

# Proposed Foreign Government Regulations

## Call for Comment

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

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

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

# Information Concerning

## American National Standards

### Call for Members

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

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

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

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, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

### Society of Cable Telecommunications

### ANSI Accredited Standards Developer

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

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

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

## ANSI Accreditation Program for Third Party Product Certification Agencies

### Approval of Scope Extensions for Accreditation in accordance with ISO/IEC 17065

### Administrative Management Systems, Inc.

### Comment Deadline: October 17, 2016

Terry Schaefer
**Administrative Management Systems, Inc.**
P.O. Box 730
100 W. Main Street
Sackets Harbor, NY 13685
website: www.amscert.com
E-mail: tschaefer@amscert.com

On July 21, 2016, the ANSI Accreditation Committee granted Administrative Management Systems, Inc.'s request to extend their scope of accreditation to include the following scopes:

**Safety Glazing Certification Council (SGCC) Certification Program**

ICS Code:

81.040.20 Glass in Buildings

91.060.50 Doors & Windows

Please send your comments by October 17, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

### Initial Accreditation in accordance with ISO/IEC 17065

### Dicentra

### Comment Deadline: October 17, 2016

Peter Wojewnik
**Dicentra**
SQF High Risk Consultant/Auditor – Senior Regulatory Specialist
44 Gristmill Lane, Unit 200,
Toronto , ON M5A 3C4, Canada
E-mail: Peter@Dicentra.Com

On September 2, 2016, the ANSI Accreditation Committee voted to approve Dicentra's request for initial accreditation in Accordance to ISO/IEC 17065, as well as the following scopes:

**SQF Code 7.2 Edition, July 2014**

Module 02: SQF System elements

Module 03: Animal Feed Safety Fundamentals GMP for Compound Feed Production

Module 04: Pet food Safety Fundamentals GMP for Processing of Pet Food Products

Module 09: Food Safety Fundamentals GMP for Pre-processing of Animal Products

Module 10: Food Safety Fundamentals GMP for Pre-processing of Plant Products

Module 11: Food Safety Fundamentals GMP for Processing of Food Products

Module 12: Food Safety Fundamentals GDP for Transport and Distribution of Food Products

Module 13: Food Safety Fundamentals GMP for Production of Food Packaging

Module 16: Requirements for SQF Multi-Site Programs Managed by a Central Site

Please send your comments by October 17, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

### Scope Extension

### Perry Johnson Registrars Food Safety, Inc. (PJR FSI)

### Comment Deadline: October 17, 2016

Ramakrishnan Narasimhan
**Perry Johnson Registrars Food Safety Inc. (PJR FSI)**
Food Safety Program Supervisor
Perry Johnson Registrars, Inc.
755 West Big Beaver
Suite 1340,
Troy, MI 48084,
Phone: 1-800-800-7910
E-mail: pjr@pjr.com

On August 25, 2016, the ANSI Accreditation Committee voted to approve a scope extension request to Perry Johnson Registrars Food Safety, Inc., for the following scopes:

**IFS Food Version 6**

IFS Product Category 01: Red and white meat, poultry and meat products

IFS Product Category 02: Fish and fish products

IFS Product Category 03: Egg and egg products

IFS Product Category 04: Dairy products

IFS Product Category 05: Fruits and vegetables

IFS Product Category 06: Grain products, cereals, industrial bakery and pastry, confectionary, snacks

IFS Product Category 07: Combined products

IFS Product Category 08: Beverages

IFS Product Category 09: Oils and fats

IFS Product Category 10: Dry goods, other ingredients and supplements

IFS Product Category 11: Pet food

Please send your comments by October 17, 2016 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

## International Organization for Standardization

### ISO Proposal for a New Field of ISO Technical Activity

### Exhibitions, Events and Conventions

### Comment Deadline: October 7, 2016

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Exhibitions, Events and Conventions, with the following scope statement:

> Standardization of exhibitions (trade shows, trade fairs), events and conventions (conferences, congresses, meetings, forums, seminars), including terminology, classification, statistics, information system, safety control, service and personnel requirements, and sustainability management.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 7, 2016.

# U.S. Technical Advisory Groups

## Approval of TAG Accreditation

### U.S. TAG to ISO TC 304 – Healthcare Administration

ANSI's Executive Standards Council (ExSC) has formally approved the accreditation of the U.S. Technical Advisory Group to ISO TC 304, Healthcare administration under the Model Operating Procedures for U.S. Technical Advisory Groups to ANSI for ISO Activities (Annex A of the ANSI International Procedures) with the University of Texas Medical Branch (UTMB) serving as TAG Administrator, effective September 9, 2016. For additional information, please contact: Lee Webster, JD/MBA, SPHR, GPHR, Director, Talent Acquisition and Recruitment, University of Texas Medical Branch, 301 University Boulevard, Galveston, TX 77555; phone: 409.787.4867; e-mail: lswebste@utmb.edu.

# Meeting Notices

## AHRI Standards

### Revision of ANSI/AHRI Standard 1060 (I-P), Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) will be holding an online meeting on October 6 from 2 p.m. to 4 p.m. If you are interested in participating in the meeting or providing comments on the standard, please contact AHRI staff member Mikelann Scerbo at mscerbo@ahrinet.org.

# Information Concerning

## International Organization for Standardization (ISO)

### Call for International (ISO) Secretariat

### ISO/TC 171 – Document management applications and SC 2

### Reply Deadline: October 7, 2016

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 171 – *Document management applications* and ISO/TC 171/SC 2 – *Document file formats, EDMS systems and authenticity of information*. ANSI has delegated the responsibility for the administration of the Secretariats for ISO/TC 171 and ISO/TC 171/SC 2 to the Association for Information and Image Management (AIIM). AIIM has advised ANSI of its intent to relinquish its roles as delegated Secretariat for these committees.

ISO/TC 171 operates under the following scope:

> *Standardization of technologies and processes involving capture, indexing, storage, retrieval, distribution and communication, presentation, migration, exchange, preservation, integrity maintenance and disposal in the field of document management applications. Documents may be managed in micrographic or electronic form.*
>
> *This includes:*
>
> - *quality control and integrity maintenance;*
> - *input/output quality of documents (micrographic or electronic)*
> - *implementation, inspection and quality control procedures for storage, use and preservation of documents (micrographic or electronic), including supportive metadata;*
> - *applications involving workflow (process management) in an enterprise and on the Internet;*
> - *maintenance of quality and integrity during information exchange between systems;*
> - *procedures and processes supporting legal admissibility and/or integrity and security;*
> - *management of related audit trail information.*
>
> *Excluded:*
>
> - *records management policies and procedures within the scope of TC 46;*
> - *all work on information, process and production definitions and workflow of industrial automation systems within the scope of TC 184;*
> - *cinematography, dimensions and labeling of raw-stock film, and the methods within the scope of ISO/TC 42 dealing with testing, rating, classifying and specifying the performance characteristics of processes, materials and devices applicable to photography;*
> - *work being done by ISO/IEC JTC1 that is within its scope and in particular work of ISO/IEC JTC 1/SC 23, SC 24, SC 27, SC 28, SC 29, SC 32 and SC 34.*

*NOTE*

*Where potential or actual overlap with other TCs exists JWGs will be actively pursued.*

ISO/TC 171/SC 2 operates under the following scope within ISO/TC 171's scope:

- *Logical aspects of storage and preservation (short and long term)*
- *File formats*
- *EDMS functionalities and architecture*
- *Evaluations and qualification of EDMS*
- *Workflow*
- *Authenticity of information*

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 171 and/or ISO/TC 171/SC 2. Alternatively, ANSI may be assigned the responsibility for administering ISO Secretariats. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 171 and/or ISO/TC 171/SC 2 Secretariats, or if there is insufficient support for ANSI to assume direct administration of these activities by Friday, October 7, 2016, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of these committees. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat roles.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

**...**

**or**

**Resource-Priority: namespace1.value1, namespace3.value3**

**Resource-Priority: namespace2.value2, ...**

The following are examples of the RPH format for an NGN GETS call/session when only an ets namespace is sent or when only ets and wps namespaces are sent:

Resource-Priority: ets.0

or

Resource-Priority: ets.0
Resource-Priority: wps.3

or

Resource-Priority: ets.0, wps.3

The format in the last example is the preferred format when both the ets and wps namespaces are sent.

**[389] For an NGN GETS call/session, it is desirable that an NGN GETS SIP-capable FE generating the RPH shall use the following format:**

**Resource-Priority: namespace1.value1, namespace2.value2, ... .**

For an NGN GETS call/session, the Accept-Resource-Priority header field can be populated as follows:

Accept-Resource-Priority: ets.0, ets.1, ets.2, ets.3, ets.4, wps.0, wps.1, wps.2, wps.3, wps.4.

For an NGN GETS call/session, an NGN GETS SIP-capable FE includes the 'resource-priority' option tag in the Supported header field.

**[501] For an NGN GETS call/session, an NGN GETS SIP-capable FE shall send the Supported header field with the 'resource-priority' option tag in the initial SIP INVITE request.**

~~**[502] When an FE receives a SIP request containing a Require header field with the 'resource-priority' option tag, the FE shall do one of the following:**~~

~~**1. If the FE does not support the SIP RPH, it shall respond with a SIP 420 (Bad Extension) response code. The FE shall list "resource-priority" in the Unsupported header field included in the SIP response.**~~

~~**2. If the FE supports RPH, but does not support the ets and wps namespaces, receives an NGN GETS call/session request, then it shall reject the request with a SIP 417 (Unknown Resource-Priority) response.**~~

~~**3.**~~**1. ~~If the FE supports RPH and supports the ets namespace, and the namespace syntax is correct, it shall process the SIP request in accordance with the requirements as specified in this Standard.~~**

An errored ets or wps namespace in a SIP request is handled as specified in requirements [72] through [77].

### 5.2.1.3 Population of RPH in SIP Messages Sent

**[67] For an NGN GETS call/session, an NGN GETS SIP-capable FE shall include the RPH when the FE sends the following SIP requests: INVITE, ACK, BYE, CANCEL, INFO, NOTIFY, PRACK,**

**REFER, SUBSCRIBE, and UPDATE. The RPH shall include ets.x, or ets.x and wps.y, where x is 0 to 4 and y is 0 to 4.**

**[68] For an NGN GETS call/session, an NGN GETS SIP-capable FE shall include the RPH when the FE sends the following SIP responses: 1xx, 2xx, 3xx, 4xx, 5xx and 6xx responses, with the exception of SIP 100 ("trying") and SIP 403 ("forbidden") responses. The RPH shall include ets.x, or ets.x and wps.y, where x is 0 to 4 and y is 0 to 4. For a SIP 400 (Bad Request) response with a 417 code in the Reason header field, the RPH shall include the provisioned ets.x and no wps namespace.**

The population of ets.x and wps.y resource values, including FE-specific cases when the provisioned ets.x is used, are specified in the FE-specific subsections.

**Note:** The RPH, containing appropriate ets.x and wps.y resource values, is intended to be included in SIP signaling when an NGN GETS call/session is forwarded. Service Providers need to support this capability (i.e., include the appropriate RPH) for any deployments of call forwarding that they support. For example, when an AS receives a SIP INVITE request, it may invoke call-forwarding by populating the forward-to DN in a SIP INVITE request, in order to route the SIP INVITE request to an alternate DN. For such an approach, the AS should include the RPH in the SIP INVITE request that is sent, populated as specified in requirement [67]. Other call-forwarding arrangements (e.g., using a SIP REFER request or a SIP 3xx response) may alternately be deployed by the Service Provider. The requirements for alternate arrangements not supported by requirements [67] and [68] are addressed on a case by case basis between the Authorized Agency and a Service Provider.

~~**5.2.1.4 SIP Response Processing**~~

~~**[69] For an NGN GETS call/session, when an NGN GETS SIP-capable FE receives a SIP 417 (Unknown Resource-Priority) response or a SIP 420 (Bad Extension) response to the initial SIP INVITE request that contains the RPH and the Require header field (including the 'resource-priority' option tag), the FE shall follow the procedures specified in 1 and 2:**~~

~~**1. The FE shall resend the SIP INVITE request with the same headers, including both the RPH and Require header to another FE if so configured,**~~

~~**2. FE shall resend the SIP INVITE request without the Require header field, but with the RPH and a Supported header field with the 'resource-priority' option tag if every request sent per (1) receives either a SIP 417 response or a SIP 420 response with an Unsupported header field with the 'resource-priority' option tag, or if (1) is not applicable.**~~

~~**The SIP 417 response and the SIP 420 response may contain an RPH. The NGN GETS SIP-capable FE shall act as specified in items 1 and 2 whether or not the responses contain an RPH. The FE shall generate, for each SIP 417 or SIP 420 response received, an error log entry containing the complete response received and the date and time of the error.**~~

### ~~5.2.1.5~~5.2.1.4 Validation of RPH Settings in SIP Messages Received

[72] through [76] pertain to the validation of RPH settings in any SIP request for an NGN GETS call/session.

**[72] When an NGN GETS SIP-capable FE receives a SIP request with an RPH with multiple instances of the ets namespace (e.g., Resource-Priority: ets.0, ets.2), the FE shall reject the request with a SIP 400 (Bad Request) response with a 417 code in the Reason header field. The response shall include the RPH with the provisioned ets.x and without a wps namespace. The FE shall generate an error log entry containing the complete SIP request received, and the date and time of the error.**

**[73] When an NGN GETS SIP-capable FE receives a SIP request with an RPH with multiple instances of the wps namespace (e.g., Resource-Priority: ets.0, wps.2, wps.4), the FE shall reject the request with a SIP 400 (Bad Request) response with a 417 code in the Reason header field. The response shall include the RPH with the provisioned ets.x and without a wps**

| Sec 5.2.1 Req't | Requirement Applicability | | Topic |
|---|---|---|---|
| | P-CSCF | Sec. Ref. | |
| | | | the 'resource-priority' option tag in outgoing SIP INVITE request |
| ~~[502]~~ | ~~Yes~~ | ~~Sec. 5.2.1~~ | ~~Receipt of SIP request containing a Require header field with the 'resource-priority' option tag~~ |
| [67] | Replaced by [99], [504], [103], [505], [506] & [106] | Sec. 5.3.1.3.1 & Sec. 5.3.1.3.2 | The population of RPH in particular SIP requests |
| [68] | Replaced by [504], [105], & [106] | Sec. 5.3.1.3.1 & Sec. 5.3.1.3.2 | The population of RPH in particular SIP responses |
| ~~[69]~~ | ~~Yes~~ | ~~Sec. 5.2.1~~ | ~~Reception of 417 and 420 responses~~ |
| [72] | Yes | Sec. 5.2.1 & Sec. 5.3.1.3.1 | Detection of multiple ets namespaces |
| [73] | Yes | Sec. 5.2.1 & Sec. 5.3.1.3.1 | Detection of multiple wps namespaces |
| [74] | Yes | Sec. 5.2.1 & Sec. 5.3.1.3.1 | Detection of invalid ets.x |
| [75] | Yes | Sec. 5.2.1 & Sec. 5.3.1.3.1 | Detection of invalid wps.y |
| [76] | Yes | Sec. 5.2.1 & Sec. 5.3.1.3.1 | Detection of invalid ets/wps namespace combination |
| [77] | Yes | Sec. 5.2.1 | Processing of subsequent SIP messages with RPH (for non-NGN GETS call/session) |

### 5.3.1.2 Detection of an NGN GETS Call/Session

The P-CSCF supports more advanced capabilities for detecting an NGN GETS call/session, beyond the corresponding common SIP requirement [63]. Common SIP requirement [63] is replaced with the P-CSCF requirements presented in this section.

Three mechanisms are defined to allow a P-CSCF to determine if NGN GETS priority treatment is to be applied for a received SIP message:

1. Recognition of an NGN GETS priority marking within a received SIP message (within the RPH). This capability is specified in sub-item 1 of requirement [95].
2. Recognition of a GETS-FC, GETS-AN, or GETS-NT within the Request-URI of a received SIP INVITE request. This capability is specified in sub-item 2 of requirement [95], including the ability to provision GETS strings that are matched as described in requirement [96].
3. Recognition that a SIP message is received within the context of an existing SIP dialog that is associated with an NGN GETS call/session, based on call/session state information maintained by the P-CSCF. This capability is specified in requirement [106].

Mechanisms 1 and 2 are used for initial detection of an NGN GETS call/session by the P-CSCF, whereas mechanism 3 allows the P-CSCF to apply NGN GETS priority treatment when processing subsequent SIP messages associated with an existing NGN GETS call/session.

**[95] A P-CSCF shall recognize that a received SIP INVITE request is associated with an NGN GETS call/session by:**

**value. The range of allowable r-priority values shall be 0, 1, 2, 3, or 4. The (factory) default r-priority value shall be 0.**

~~[356] should be interpreted in relation to requirement [69] in Section 5.2.1.4, which focuses on alternate routing when the FE receives a SIP 420 response or a SIP 417 response indicating an element that does not support RPH, or does not understand the ets and wps namespaces. Other aspects of alternate routing are for further study.~~

~~**[356] If an NGN GETS SIP-capable FE can support multiple routing of an NGN GETS call/session request to a destination, then the routing list shall be configurable in support of [69].**~~

~~[356] would not typically apply to an originating FE, since it will have only one S-CSCF to which to send a signaling request. [356] would typically apply to an S-CSCF which may have more than one IBCF or BGCF to which to send the signaling, and to terminating border FEs, which may have alternate signaling paths towards the terminating UE.~~

### 6.2.1.2 Fault Management

One of the key fault management tools is that of logging error conditions that occur in the network. Detailed error conditions related to NGN GETS that will trigger fault management log records to be created are identified within Section 5. A summary of these error conditions detectable by an NGN GETS SIP-capable FE is provided in Table 6-2 below.

**Table 6-2. Summary of Error Conditions to be Logged**

| Triggering Events for FE Logging | Detailed Triggering Requirements |
|---|---|
| ~~SIP 417 (Unknown Resource-Priority) response~~ | ~~Section 5.2.1.4~~ |
| ~~SIP 420 (Bad Extension) response~~ | ~~Section 5.2.1.4~~ |
| SIP request with an RPH with multiple instances of ets namespace | Section 5.2.1.4~~5.2.1.5~~ |
| SIP request with an RPH with multiple instances of wps namespace | Section 5.2.1.4~~5.2.1.5~~ |
| SIP request with an RPH with invalid ets resource value | Section 5.2.1.4~~5.2.1.5~~ |
| SIP request with an RPH with invalid wps resource value | Section 5.2.1.4~~5.2.1.5~~ |
| SIP request with an RPH with a wps resource value and no ets resource value. | Section 5.2.1.4~~5.2.1.5~~ |
| SIP message with an RPH with an ets namespace for a call/session not initially recognized as NGN GETS | Section 5.2.1.4~~5.2.1.5~~ |

### 6.2.2 Common Diameter Functional Entity Requirements

Diameter-capable FEs support the following Diameter requirement.

**[723] A Diameter-capable FE shall allow configuration of the "default value" to be included in the DRMP AVP for an NGN GETS call/session. The range of allowable values shall be 0 - 4. The (factory) default value shall be 2.**

[723] should be interpreted in relation to requirements in Section 5.2.2.

The I-CSCF, S-CSCF, GETS-FC AS, GETS-AN AS, and GETS-NT AS support the following Diameter requirement.

**[576] A Diameter-capable FE shall allow configuration of the "default value" to be included in the Diameter Session-Priority AVP. The range of allowable values shall be 0 – 4. The (factory) default value shall be 2.**

**[591] An NGN GETS AS, designated for RCVD ANSWER in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "answered" is received.**

Note that for [591], this measurement is pegged after receipt of the 200 response associated with the initial SIP INVITE request. The NGN GETS AS needs to have the logic to ensure that only the 200 response which corresponds to the end user is used to peg the OM, and that it only pegs once for each call attempt.

**[592] An NGN GETS AS, designated for CALLER ABANDONED in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "caller abandoned" or "ringing but not answered" is received. The NGN GETS AS shall also count the number of calls/sessions assumed abandoned due to the expiration of an appropriate timer or other changes in the call/session state.**

One condition for which [592] is pegged is the receipt of a SIP CANCEL request associated with the initial SIP INVITE request.

**[593] An NGN GETS AS, designated for RCVD BUSY in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "destination busy" is received.**

[593] is pegged after receipt of a SIP 486 or a SIP 600 response associated with the initial SIP INVITE request.

**[594] An NGN GETS AS, designated for RCVD SVC UNAVL in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "service unavailable" is received.**

[594] is pegged when the received message is a SIP 4xx (except 403, 408 or 486), 5xx or 6xx (except 600) response.

**[595] An NGN GETS AS, designated for RCVD Q TO in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "timed out of queue" is received.**

[595] is pegged after receiving a SIP 408 response.

**[596] An NGN GETS AS, designated for SENT SVC UNAVL in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "service unavailable" is generated.**

[596] is pegged upon generation of a SIP 4xx (except 403, 408 or 486), 5xx or 6xx (except 600) response associated with the initial SIP INVITE request.

**[597] An NGN GETS AS, designated for SENT FORBIDDEN in Table 6-1, shall count the number of NGN GETS call/session requests for which signaling indicating "service forbidden" is generated.**

[597] is pegged after generation of a SIP 403 response associated with the initial SIP INVITE request.

**[598] An NGN GETS AS, designated for GETS ERROR LOG in Table 6-1, shall count the number of messages sent to a log file during a dialog identified with an NGN GETS call/session request. Based on the Section 5 requirements, these messages include: ~~(1) receipt of SIP 417 and SIP 420 responses ([69]);~~ (21) transmission of SIP 400 responses ([72] through [76]); and (~~3~~2) messages received with an RPH with an ets namespace during a SIP dialog not initially being recognized as NGN GETS ([77]).**

**BSR/UL 325, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems**

**4. Addition of a new section titled, "Unattended operation control accessory," Section 32.6.**

32.6.3.2 The alarm shall signal for a minimum of 5 seconds before any unattended closing door movement, or before any door movement if the next direction of door travel cannot be determined.

32.6.5.2.1 A control accessory shall be marked to indicate “For use only with garage door operators complying with UL 325, manufactured after _____.”, or “For use only with the following garage door operators: _____.” The date (e.g. “1993”, “February 21, 2008”) or the additional information provided in the blank shall be added by the accessory manufacturer such that the combination of the control and operator(s) it is intended for use with complies with 32.6.5.2. This marking shall appear on the packaging and on the product, and shall be repeated in the instructions accompanying the accessory.

32.6.5.3 To comply with 32.6.5.2, a control accessory shall comply with one or more of the following:

a) Not be capable of operating when connected to an operator that is not compliant with 32.6.5.2;

b) Be restricted to function only with specific operators, such that the combination of the control and the operator are compliant with 32.6.5.2;

c) Provide additional functionality to an operator or system such that when operating via the control accessory, the combination of the control accessory and the operator complies with 32.6.5.2;

d) Be marked to indicate as indicated in 32.6.5.2.1~~“For use only with garage door operators complying with UL 325, manufactured after _____”. The date (e.g. “1993”, “February 21, 2008”) shall be added by the accessory manufacturer such that the combination of the control and operator complies with 32.6.5.2, for the range of operators that the control is intended for use with. This marking shall appear on the packaging and on the product, and shall be repeated in the instructions accompanying the accessory~~.

32.6.6.2 The control accessory shall be provided with markings as follows:

a) Markings on the product per section 61, as applicable.

b) In lieu of 61.3.2, the product package shall be marked with the following or equivalent: "WARNING: To reduce the risk of injury to persons - Only enable [+] feature when installed with sectional door.", where + is the unattended operation closing function~~.~~ , or “WARNING: To reduce the risk of injury to persons - Do not use this device with one-piece doors or swinging doors.”

c) On the package or the product - any other markings related to use of the control with specific operators, per 32.6.5.3.

BSR/UL 1081, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators

**1. Proposal to Add Requirements for Button or Coin Cell Batteries of Lithium Technologies, New 6.6**

(NEW)

**6.6 Button or Coin Cell Batteries of Lithium Technologies**

6.6.1 The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory:

a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and

b) The appliance is intended for household use.

Exception: Not applicable to appliances and accessories intended for use where the battery is not intended to be replaced and is not referenced in instructions and markings.