ANSI STANDARDS ACTION

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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

ISSN 0038-9633

Comment Deadline: February 19, 2017

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum ba to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

This addendum updates the broad reference in Section 8.3.1 to a wide range of requirements in both Standard 62.1 and Standard 170 to more narrowly cite the specific sections of those standards that are relevant to Standard 189.1.

Click here to view these changes in full

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

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

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum v to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014)

Addendum v was posted for public review in spring 2016. One public comment was submitted; the comment included both editorial and substantive revisions to the addendum. The revisions, shown below, include updating one of the referenced standards to the most recently published version: ASTM E2843-16a reflects changes that (a) make it more compatible with legislative (code) text and (b) add flexibility for designers and builders that aim to one section of its requirements.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 49-201x (i73Br5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2006 (i11))

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827 -3817, arose@nsf.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i126r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

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

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Lauren Panoff, (734) 769 -5197, lpanoff@nsf.org

NSF (NSF International)

Revision

BSR/NSF 52-201x (i7r1), Supplemental Flooring (revision of ANSI/NSF 52 -2012)

Supplemental flooring covered by this Standard includes, but is not limited to, supplemental flooring for use in food preparation, dry storage, and warewashing areas.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827 -3817, arose@nsf.org

SAIA (ASC A92) (Scaffold & Access Industry Association)

New Standard

BSR/SAIA A92.20-201x, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) (new standard)

This Standard is intended to be used in conjunction ANSI/SAIA A92.22, Safe Use of MEWPs, and ANSI/SAIA A92.24, Training Requirements for Operators of MEWPs. This American National Standard specifies safety requirements and preventive measures, and the means for their verification, for certain types and sizes of mobile elevating work platforms (MEWPs) intended to position personnel, along with their necessary tools and materials, at work locations. It contains the structural design calculations and stability criteria, construction, safety examinations and tests that shall be applied before a MEWP is first put into service.

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Send comments (with copy to psa@ansi.org) to: DeAnna Martin, (816) 595 -4860, deanna@saiaonline.org

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 62093-201x, Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments (national adoption with modifications of IEC 62093)

(1) Revisions to the first edition of the UL IEC-based standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments, UL 62093.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Susan Malohn, UL-IL; susan.p.malohn@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 96-201x, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2016)

(1) Conductive coatings used as a bimetallic separator; (2) Air terminal tip geometry; (3) Requirements for insulation used on conductors; (4) Requirements for coatings on air terminals; (5) Markings for lightning protection components.

Click here to view these changes in full

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 507-201x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2016)

(1) Revision to Table 14.1 to address portable fan cord length when a specific cord type is used; (2) Proposal for button battery requirements to be included in UL 507, Reference to Horizontal Standard, UL 4200A; (3) Instruction requirement for lasers used in fan products; (4) Moving parts of down-draft fans

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Send comments (with copy to psa@ansi.org) to: Amy Walker, UL-IL; Amy.K.Walker@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 558-201X, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (Proposal dated 1-20-17) (revision of ANSI/UL 558-2016)

This proposal includes (1) Revision to the clearance requirements for fuel lines and exhaust- and electrical-system parts.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 778-201x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2016)

Covers submersible and nonsubmersible motor-operated pumps intended to be used in ordinary locations in accordance with the National Electrical Code, NFPA 70.

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 924-201X, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2015)

Proposals for the addition of a definition and requirements for directly controlled luminaires, clarification of battery standard references and compliance, separate shipment of batteries, adjustment of the emergency luminaire and battery pack maximum mounting height identification, and clarifications for minimum light output (Supplement SG).

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 943B-201X, Standard for Safety for Appliance Leakage-Current Interrupters (revision of ANSI/UL 943B-2011 (R2016))

(1) Addition of auto-monitoring requirements.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1066-201X, Standard for Safety for Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures (revision of ANSI/UL 1066-2016)

(1) Revision to SC2.5 to clarify testing requirements for circuit breakers with a remotely operated racking mechanism; (2) Revision of the scope to increase the maximum allowable voltage of low-voltage power circuit breakers.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Patricia Sena, (919) 549-1636, patricia.a.sena@ul.com

Comment Deadline: March 6, 2017

ADA (American Dental Association)

New National Adoption

BSR/ADA No. 19-201x, Elastomeric Impression Materials (national adoption of ISO 4823:2015 with modifications and revision of ANSI/ADA Standard No.19-2004 (R2014))

This American National Standard specifies the requirements and tests that the state-of-the art body of knowledge suggests for helping determine whether the elastomeric impression materials, as prepared for retail marketing, are of the quality needed for their intended purposes.

Single copy price: $200.00

Obtain an electronic copy from: standards@ada.org

Order from: standards@ada.org

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

AMCA (Air Movement and Control Association)

New Standard

BSR/AMCA 207-201x, Fan System Efficiency and Fan System Input Power Calculation (new standard)

The scope of this standard includes all electric motor driven fan systems that use a specific combination of components as defined below: (1) Fan airflow performance tested in accordance with ANSI/AMCA Standard 210, ANSI/AMCA Standard 230, ANSI/AMCA Standard 260, or ISO Standard 5801, or rated in accordance with AMCA Publication 211; (2) Polyphase induction motors within the scope of EISA-2007, IEC 60034-30, or GB 18613. Other types of motors are explicitly excluded; (3) Pulse-width modulated variable frequency drives (VFDs); and (4) Mechanical power transmissions that use V-belts, synchronous belts, or flexible couplings.

Single copy price: $45.00 (AMCA Members); $90.00 (Nonmembers)

Obtain an electronic copy from: emoore@amca.org

Order from: Erin Moore, (847) 704-6285, emoore@amca.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASAE S318.18 MONYEAR-201x, Safety for Agricultural Field Equipment (revision and redesignation of ANSI/ASAE S318.17-2009)

This Standard is a guide to provide a reasonable degree of personal safety for operators and other persons during the normal operation and servicing of agricultural field equipment. This Standard does not apply to skid steer loaders, permanently installed grain dryers, and agricultural equipment covered by other safety standards, such as but not limited to permanently installed farmstead equipment, portable grain augers, and storage structures, except where specifically referenced by other standards.

Single copy price: $58.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASC X9 (Accredited Standards Committee X9, Incorporated)

New Standard

BSR X9.124-2-201x, Symmetric Key Cryptography for the Financial Services Industry - Format Preserving Encryption - Part 2:Key Stream with Counter Mode (new standard)

This standard fulfills the need for card data encryption techniques that work with existing business processes and systems. It provides a set of recommendations for use of these techniques within financial systems, and defines a baseline set of security parameters that other standards organizations can use.

Single copy price: $100.00

Order from: Ambria Frazier, (410) 267-7707, Ambria.frazier@x9.org

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

Withdrawal

ANSI/ASHRAE Standard 58-1986 (R1999), Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity (withdrawal of ANSI/ASHRAE Standard 58-1986 (R1999))

The purpose of this standard is to prescribe test methods for determining the heating capacities and air flow quantities for room air conditioners and packaged terminal air conditioners equipped with means for room heating.

Single copy price: $35.00

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

Order from: Send request to standards.section@ashrae.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0100030-2012 (R201x), Mean Time between Outages - A Generalized Metric for Assessing Production Failure Rates in Telecommunications Network Elements (reaffirmation of ANSI ATIS 0100030-2012)

The Mean Time Between Outages (MTBO) metric provides the frequency of all telecommunications network element failures (hardware and software) attributed to equipment supplier - including customer impacting short duration outages. By contrast, the traditional Mean Time Between Failure (MTBF) metric only addresses total failures that lead to element replacement. The MTBO metric has been accepted as a key industry metric by the QuEST Forum/TL9000 organization.

Single copy price: $60.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 0900414-2012 (R201x), Network to Customer Installation Interfaces - Enhanced 911 Analog Voicegrade PSAP Access Using Loop Reverse-Battery Signaling (reaffirmation of ANSI ATIS 0900414-2012)

This standard provides network-to-customer installation (CI) interface requirements for the connection of a Public Safety Answering Point (PSAP) CI to a network providing access to an Enhanced 911 switching system. The interface uses loop reverse-battery signaling with a CI-provided battery source. The interface allows users of the Enhanced 911 system to communicate with the PSAP CI and allows the Enhanced 911 system to transmit the caller's emergency service identification (CESID) information to the PSAP CI.

Single copy price: $145.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 1000045-2012 (R201x), ATIS Identity Management: Mechanisms and Procedures Standard (reaffirmation of ANSI ATIS 1000045-2012)

This standard describes the specific IdM mechanisms and suites of options that should be used to meet the requirements defined in the ATIS IdM Requirements and Use Cases Standard.

Single copy price: $175.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR ATIS 1000050-2012 (R201x), Next Generation Network (NGN) Operator Regular Intercept Standard (reaffirmation of ANSI ATIS 1000050 -2012)

This standard describes Next Generation Network (NGN) signaling support for Operator Regular Intercept. The service may be invoked when an NGN caller attempts to set up a call/session to an “intercepted number” where the address of the called party has changed. In the event that the old address has been replaced with multiple new addresses (”split referral”), interaction with the calling party is required to determine the appropriate new address ("referral number”).

Single copy price: $110.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Reaffirmation

BSR/ATIS 0600010.02-2012 (R201x), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (reaffirmation of ANSI/ATIS 0600010.02-2012)

This standard specifies covers the minimum equipment handling, transportation vibration, and rail car shock criteria for communications equipment. It is the intent of this standard to utilize the latest versions of ATIS standards that are referenced. It is also the intent to utilize (where appropriate) newer versions of other standards or documents that are referenced, provided they do not conflict with the intent of this standard.

Single copy price: $145.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0100008-2007 (S201x), Defects Per Million (DPM) Metric for Transaction Services such as VoIP (stabilized maintenance of ANSI ATIS 0100008-2007 (R2012))

This standard defines a metric that can gauge the ability of an IP network to deliver transaction services in an acceptable manner. Transactions such as Voice over IP (VoIP) calls are either successfully completed as required or they are considered to be defects. The DPM metric is defined as the ratio of all defective transactions to the total number of transactions attempted over a pre-determined period, normalized by a factor of one million.

Single copy price: $60.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 0900105.02-2007 (S201x), Synchronous Optical Network (SONET) - Payload Mappings (stabilized maintenance of ANSI ATIS 0900105.02-2007 (R2012))

The purpose of this standard is to specify the mapping of payload signals into SONET signals, described in ATIS 0900105. These payload signals include time division multiplexed signals such as those from the asynchronous digital hierarchy described in ATIS 0600107, and packet- or cell-orientated payload data.

Single copy price: $175.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000019-2007 (S201x), Network to Network Interface (NNI) Standard for Signaling and Control Security for Evolving VoP Multimedia Networks (stabilized maintenance of ANSI ATIS 1000019-2007 (R2012))

This document specifies Voice over Packet and Multimedia signaling and control plane security requirements for evolving networks.

Single copy price: $110.00

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000608-2000 (S201x), Integrated Services Digital Network (ISDN) - Signaling Specification for X.25 Packet-Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (stabilized maintenance of ANSI ATIS 1000608-2000 (R2012))

The interface standard was written to provide a set of requirements for user-network signaling for ISDN support of packetized data transfer, while conforming, wherever possible, with the I-Series Recommendations of the International Telegraph and Telephone Consultative Committee (CCITT), and while not compromising the principles of evolution expressed therein. Formerly known as T1.608-1991 (R2007).

Single copy price: $330.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000608.a-1992 (S201x), Integrated Services Digital Network (ISDN) - Signaling Specification for X.25 Packet-Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (Terminal Initialization Procedures for Packet-Mode Data) (stabilized maintenance of ANSI ATIS 1000608.a-1992 (R2012))

Supplement to ATIS 1000608.1991 (R2012). Formerly known as T1.608a -1992 (R2007).

Single copy price: $30.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000613-1991 (S201x), Integrated Services Digital Network (ISDN) - Call Waiting Supplementary Service (stabilized maintenance of ANSI ATIS 1000613-1991 (R2012))

This standard is one of a series that defines and describes supplementary services within the context of an Integrated Services Digital Network (ISDN). The interaction of this service with other ISDN services is also included. The purpose of the standard is to allow maximum compatibility among network- and user-owned telecommunication equipment in order to increase the attractiveness and usefulness of ISDN-based capabilities. Formerly known as T1.613-1991 (R2007).

Single copy price: $145.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000614-1991 (S201x), Integrated Services Digital Network (ISDN) - Packet Mode Bearer Service Category Description (stabilized maintenance of ANSI ATIS 1000614-1991 (R2012))

The International Telegraph and Telephone Consultative Committee (CCITT) Recommendation I.210 describes the principles for defining Integrated Services Digital Network (ISDN)-based telecommunication services including the concept of bearer services, teleservices, and supplementary services. It also provides the means for the definition and description of such services. Formerly known as T1.614-1991 (R2007).

Single copy price: $60.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000619.a-1994 (S201x), Integrated Services Digital Network (ISDN) - Multi-Level Precedence and Preemption (MLPP) Service Capability (MLPP Service Domain and Cause Value Changes) (stabilized maintenance of ANSI ATIS 1000619.a-1994 (R2012))

This supplement to American National Standard for Telecommunications - Integrated services digital network (ISDN) - Multi-level precedence and preemption (MLPP) service capability, ATIS 1000619.1992 (R2005), revises the standard so that the exchange-to-exchange signaling is consistent with ITU-T Recommendations Q.955.3 (1993) and Q.735.3 (1993), which were approved after the publication of ATIS 1000619.1992 (R2005). Formerly known as T1.619a-1994 (R2007).

Single copy price: $60.00

Obtain an electronic copy from: ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000620-1991 (S201x), Integrated Services Digital Network (ISDN) - Circuit-Mode Bearer Service Category Description (stabilized maintenance of ANSI ATIS 1000620-1991 (R2012))

This standard explains the ISDN Circuit-Mode bearer services from the user's perspective. Formerly known as T1.620-1991 (R2007).

Single copy price: $110.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000641.a-2002 (S201x), Supplement to Calling Name Identification Presentation (stabilized maintenance of ANSI ATIS 1000641.a -2002 (R2012))

This supplement revises ATIS 1000641.1995 (R2009) to address certain regulation that 5 need to be considered by the service provider based on the FCC's orders that were issued as a result of FCC Docket No.91-281, "Rules and Policies Regarding Calling Number Identification Service - Caller ID." Formerly known as T1.641a-2002 (R2007).

Single copy price: $60.00

Obtain an electronic copy from: ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000667-2002 (S201x), Intelligent Network (stabilized maintenance of ANSI ATIS 1000667-2002 (R2012))

This standard establishes an architectural framework in which the model of the Intelligent Network (IN) is defined. The architecture is intended to provide the flexibility to support a wide range of services and facilitates the evolution of future IN functional capabilities through its evolvable, modular structure to achieve service independence.

Single copy price: $655.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000673-2002 (S201x), Bearer Independent Call Control (BICC) Capability Set 1+ (CS1+) (stabilized maintenance of ANSI ATIS 1000673 -2002 (R2012))

This standard describes the adaptation of the narrowband ISDN User Part (ISUP) for the support of narrowband ISDN services independent to the bearer technology and signaling message transport technology used. The protocol defined by this standard is the call control protocol to be used between "Serving Nodes." This protocol is called the "Bearer Independent Call Control" protocol (BICC). Between Serving Nodes, the control of bearers is provided by other protocols not specified by this standard. Formerly known as T1.673-2002 (R2007).

Single copy price: $470.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR ATIS 1000674-2002 (S201x), BICC CS1+: Signaling Transport Converters (STCs) (stabilized maintenance of ANSI ATIS 1000674-2002 (R2012))

This standard describes the Generic Signaling Transport that can be deployed by means of Signaling Transport Converters (STCs) over a range of signaling transport protocol stacks. It also specifies the STC for MTP3, and the STC for SSCOP and SSCOPMCE. Formerly known as T1.674-2002 (R2007).

Single copy price: $175.00

Obtain an electronic copy from: ablasgen@atis.org

Order from: Alexandra Blasgen, (202) 434-8840, ablasgen@atis.org

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

AWS (American Welding Society)

New Standard

BSR/AWS C7.6/C7.6M-201X, Process Specification and Operator Qualification for Laser Hybrid Welding (new standard)

This specification covers processing and quality control requirements for Laser Hybrid Processing. Equipment includes any laser source (as examples but not exclusive to CO2, Nd: YAG, Diode, Ruby, Yb Fiber (Fibre), Yb Disk (Disc), Nd: Glass) in combination with an arc welding system (power supply, wire feeder, torch, etc.) as defined by AWS A3.0. Standard Welding Terms and Definitions Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Cutting, and Thermal Spraying.

Single copy price: $68.00

Obtain an electronic copy from: pportela@aws.org

Order from: Peter Portela, (800) 443-9353, pportela@aws.org

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

AWS (American Welding Society)

New Standard

BSR/AWS D8.2M-201X, Specification for Automotive Weld Quality - Resistance Spot Welding of Aluminum (new standard)

This document contains both visual and measurable acceptance criteria for resistance spot welds in aluminum. The information contained in this standard may be used as an aid by designers, resistance welding equipment manufacturers, welded product producers, and others involved in the automotive industry and resistance spot welding of aluminum.

Single copy price: $63.00

Obtain an electronic copy from: ababinski@aws.org

Order from: ababinski@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS D8.14M-201X, Specification for Automotive Weld Quality - Arc Welding of Aluminum (revision of ANSI/AWS D8.14M-2008)

This specification covers the arc welding of automotive components that are manufactured from aluminum alloys.

Single copy price: $63.00

Obtain an electronic copy from: ababinski@aws.org

Order from: ababinski@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS D17.1/D17.1M-201x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2010)

This specification provides the general welding requirements for welding aircraft and space hardware. It includes but is not limited to the fusion welding of aluminum-based, nickel-based, iron-based, cobalt-based, magnesium-based, and titanium-based alloys using electric arc and high-energy beam processes. There are requirements for welding design, personnel and procedure qualification, inspection, and acceptance criteria for aerospace, support, and non-flight hardware. Additional requirements cover repair welding of existing hardware. A commentary for the specification is included.

Single copy price: $84.00

Obtain an electronic copy from: ababinski@aws.org

Order from: ababinski@aws.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C530-201x, Pilot-Operated Control Valves (revision of ANSI/AWWA C530-2012)

This standard establishes minimum requirements for pilot-operated control valves of globe, angle and wye body styles with various end connections in sizes from 1-1/2 in. through 60 in. (37.5 mm through 1,500 mm) in diameter, with water having a pH range from 6 to 9 and a temperature range from 40 degrees to 125 degrees F (4.4 degrees to 52 degrees C).

Single copy price: $20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

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

CSA (CSA Group)

Reaffirmation

BSR Z21.61-1983 (R201x), Gas-Fired Toilets (reaffirmation of ANSI Z21.61-1983 (R2013))

Details test and examination criteria for gas-fired toilets for use with natural, manufactured and mixed gases; liquefied petroleum gases; and LP gas-air mixtures.

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 Z21.93-201x, Excess Flow Valves for Natural Gas and Propane Gas up to Pressures of 5 psig (same as CSA 6.30) (revision of ANSI Z21.93-2013)

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

Single copy price: 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 Z83.7-201x, Gas-Fired Construction Heaters (same as CSA 2.14) (revision of ANSI Z83.7-2011 (R2016))

Details test and examination criteria for construction heaters for use with natural and liquefied petroleum gases. A construction heater is primarily intended for temporary use in heating buildings or structures under construction, alteration, or repair. All products of combustion are released into the area being heated.

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

ECIA (Electronic Components Industry Association)

Revision

BSR/EIA 960-B-201x, Assembly Component Tray - ACT (revision and redesignation of ANSI/EIA 960-A-2011)

This standard covers requirements for Assembly Component Trays - ACTs used automated assembly processes. The standard size is covered which works with tray slots handling an envelope of 298.45 mm (11.75 inches) x 254 mm (10 inches) and the “J” size which works with tray slots handling an envelope of 322.58 mm (12.7 inches) x 135.89 mm (5.35 inches).

Single copy price: $78.00

Obtain an electronic copy from: https://global.ihs.com/

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

Send comments (with copy to psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

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

Reaffirmation

BSR/CSA B45.11/IAPMO Z401-2011 (R201x), Glass plumbing fixtures (reaffirmation of ANSI/CSA B45.11/IAPMO Z401-2011)

This Standard covers lavatories and sinks made of glass and specifies test methods, performance requirements, and marking requirements.

Single copy price: $75.00 USD

Obtain an electronic copy from: standards@iapmo.standards.org

Order from: standards@iapmo.standards.org

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

NASBLA (National Association of State Boating Law Administrators)

Supplement

BSR/NASBLA 103.1 Supplement-201x, Basic Boating Knowledge - Water-Jet Propelled (supplement to ANSI/NASBLA 103-2016)

This standard serves as a supplement to ANSI/NASBLA 2016-103, Basic Boating Knowledge - Power (ANS). It applies to water-jet propelled boating knowledge education knowledge in the United States, U.S. territories, and District of Columbia. The document establishes supplemental information to the national standard for basic recreational boating knowledge for power boating with a primary focus on safety and mitigation of risks associated with recreational boating using water-jet propelled boats.

Single copy price: Free

Obtain an electronic copy from: pam@nasbla.org

Order from: Pamela Dillon, (859) 225-9487, pam@nasbla.org

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

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

BSR Z535.2-2011 (R201x), Environmental and Facility Signs (reaffirmation of ANSI Z535.2-2011)

This standard sets forth requirements for the design, application, and use of safety signs in facilities and in the environment.

Single copy price: $127.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

BSR Z535.3-2011 (R201x), Standard Criteria for Safety Symbols (reaffirmation of ANSI Z535.3-2011)

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

Single copy price: $98.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

BSR Z535.4-2011 (R201x), Product Safety Signs and Labels (reaffirmation of ANSI Z535.4-2011)

Establishes performance requirements for the design, application, use, and placement of safety signs and labels on a wide variety of products

Single copy price: $118.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

NEMA (ASC Z535) (National Electrical Manufacturers Association)

Reaffirmation

BSR Z535.5-2011 (R201x), Standard for Safety Tags and Barricade Tapes (for Temporary Hazards) (reaffirmation of ANSI Z535.5-2011)

Discusses tag and tapes, which are used only until the identified hazard is eliminated or the hazardous operation is complete.

Single copy price: $110.00

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

TIA (Telecommunications Industry Association)

Addenda

BSR/J-STD-036-C-2-201x, Enhanced Wireless 9-1-1 Phase II (addenda to ANSI J-STD-036-C-2011)

This modification to the industry's E 911 (Emergency Services) Phase 2 standard will add six handset and five hybrid position source codes for geodetic position reporting and three Class of Service codes for civic address reporting (e.g., street address).

Single copy price: $377.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA; standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 4730-201x, Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules (new standard)

(1) The first edition of the Standard for Nameplate, Datasheet, and Sampling Requirements of Photovoltaic Modules, UL 4730, which covers the required information on the production and measurement tolerances of nameplate rating of flat plate photovoltaic (PV) modules, and does not apply to concentrator PV modules. This standard identifies five rating conditions under which the performance parameters of PV modules shall be reported and a statistical method to determine the number of samples required for the power rating measurements.

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: Susan Malohn, UL-IL; susan.p.malohn@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1417-2012 (R201x), Standard for Safety for Special Fuses for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1417 -2012)

Reaffirm UL 1417 as an American National Standard. UL 1417 covers special types of fuses not covered by separate requirements and that are for use in radio- and television-type appliances where they are relied upon to limit power or current, or both. These requirements also apply to holders intended to accept such special fuses, where the holder may be an integral part of the fuse design.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Barbara Davis, (510) 319 -4233, Barbara.J.Davis@ul.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1727-2012 (R201x), Standard for Safety for Commercial Electric Personal Grooming Appliances (Proposal dated 1-20-17) (reaffirmation of ANSI/UL 1727-2012)

Reaffirmation and continuance of the fifth edition of the Standard for Commercial Electric Personal Grooming Appliances, UL 1727, 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

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Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549 -1511, Ross.Wilson@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 347A-201x, Standard for Safety for Medium Voltage Power Conversion Equipment (revision of ANSI/UL 347A-2015)

(1) Editorial correction to Table 19.1; (2) Addition of Section 19.6 covering circuits provided with solid insulation; (3) Replacing references to UL 347B with references to UL 347; (4) Clarification of Short Circuit Test requirements for bypass circuits; (5) Addition of series-connected component spacings for 600 V and below; (6) Clarification of scope to reference UL 347 for solid-state reduced voltage starters; (7) Capacitor Discharge Test in UL 347A; (8) Clarification of Clause 14.1 - Interlocking requirements; (9) Editorial revision to Clause 15.1; (10) Revision to Clause 15.4; (11) Editorial revision to Clause 19.3.2.1; (12) Revision to Clauses 19.4.1 and 19.5.1, changing references to UL 61800-5-1; (13) Revisions to Impulse Testing when no isolating means is provided; (14) Revisions to Operation Tests; (15) Editorial revisions to Table 19.3; and (16) Breakdown of Components Test - clarification of test method.

Single copy price: Contact comm2000 for pricing and delivery options

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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 60745-2-15-201x, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-15: Particular Requirements for Hedge Trimmers (revision of ANSI/UL 60745-2-15-2010a)

Proposed revision of Clause 19.103DV to specify requirements for category 4 hedge trimmers.

Single copy price: Contact comm2000 for pricing and delivery options

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

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Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664 -3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 122701-201X, Standard for Safety for Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids (Proposal dated 01-20-17) (revision and redesignation of ANSI/UL 122701-2011 (R2016), ANSI/ISA 12.27.01-2011 (R2016))

Proposed third edition of the Standard for Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids, UL 122701.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, Vickie.T. Hinton@ul.com

Comment Deadline: March 21, 2017

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B1.3-2007 (R201x), Screw Thread Gaging Systems for Acceptability: Inch and Metric Screw Threads (UN, UNR, UNJ, M, and MJ) (reaffirmation of ANSI/ASME B1.3-2007 (R2012))

This Standard presents screw thread gaging systems suitable for determining the acceptability of Unified [UN], UNR [external threads only], UNJ [internal and external threads], M and MJ screw threads on externally and internally threaded products. It establishes the criteria for screw thread acceptance when a gaging system is used.

Single copy price: $43.00

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: April Amaral, AmaralA@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B1.30-2002 (R201x), Screw Threads: Standard Practice for Calculating and Rounding Dimensions (reaffirmation of ANSI/ASME B1.30 -2002 (R2012))

The purpose of this Standard is to establish uniform and specific practices for calculating and rounding the numeric values used for inch and metric screw thread design data dimensions only.

Single copy price: $35.00

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: April Amaral, AmaralA@asme.org

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

New National Adoption

INCITS/ISO/IEC 38500:2015, Information technology - Governance of IT for the organization (identical national adoption of ISO/IEC 38500:2015)

This Standard provides guiding principles for members of governing bodies of organizations (which can comprise owners, directors, partners, executive managers, or similar) on the effective, efficient, and acceptable use of information technology (IT) within their organizations. It also provides guidance to those advising, informing, or assisting governing bodies.

Single copy price: $88.00

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

Order from: http://webstore.ansi.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60730-2-22-201X, Standard for Automatic Electrical Controls - Part 2-22: Particular Requirements for Thermal Motor Protectors (identical national adoption of IEC 60730-2-22)

This part of IEC 60730 applies to the partial evaluation of thermal motor protectors as defined in IEC 60730-1 for household and similar use, including heating, air conditioning and similar applications as well as for sealed (hermetic and semi-hermetic type) motor-compressors.

Single copy price: Contact comm2000 for pricing and delivery options

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Send comments (with copy to psa@ansi.org) to: alan.t.mcgrath@ul.com

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AAMI (Association for the Advancement of Medical Instrumentation)

AAMI/ISO TIR24971/Ed. 1:2017, Medical devices - Guidance on the application of ISO 14971 (TECHNICAL REPORT) (technical report)

Reaffirmation of AAMI/ISO TIR24971. This Technical Report provides guidance in addressing specific areas of ISO 14971 when implementing risk management.

This guidance is intended to assist manufacturers and other users of the standard to:

- understand the role of international product safety and process standards in risk management;

- develop the policy for determining the criteria for risk acceptability;

- incorporate production and post-production feedback loop into risk management;

- differentiate between “information for safety” and “disclosure of residual risk”; and

- evaluate overall residual risk.

Single copy price: 67.00 (AAMI Members); $112.00 (List Price)

Order from: Will Vargas, (703) 647-2779, wvargas@aami.org

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

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203

Contact: *Amanda Benedict*

Phone: (703) 253-8284

Fax: (703) 276-0793

E-mail: abenedict@aami.org

BSR/AAMI ST8-201x, Hospital steam sterilizers (revision of ANSI/AAMI ST8-2013)

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

Office: 1791 Tullie Circle NE
Atlanta, GA 30329

Contact: *Tanisha Meyers-Lisle*

Phone: (678) 539-1111

Fax: (678) 539-2111

E-mail: tmlisle@ashrae.org

ANSI/ASHRAE Standard 58-1986 (R1999), Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity (withdrawal of ANSI/ASHRAE Standard 58-1986 (R1999))

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016

Contact: *Mayra Santiago*

Phone: (212) 591-8521

Fax: (212) 591-8501

E-mail: ansibox@asme.org

BSR/ASME BPVC Section XIII-201x, ASME Boiler and Pressure Vessel Code - Rules for Overpressure Protection (new standard)

ATCC (American Type Culture Collection)

Office: 10801 University Boulevard
Manassas, VA 20110

Contact: *Christine Alston-Roberts*

Phone: (703) 365-2802

Fax: (703) 334-2944

E-mail: calston-roberts@atcc.org

BSR/ATCC ASN-0002.1-201x, Authentication of Human Cell Lines: Standardization of STR Profiling (revision and redesignation of ANSI/ATCC ASN-0002-2011)

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 D8.2M-201X, Specification for Automotive Weld Quality - Resistance Spot Welding of Aluminum (new standard)

BSR/AWS D8.14M-201X, Specification for Automotive Weld Quality - Arc Welding of Aluminum (revision of ANSI/AWS D8.14M-2008)

BSR/AWS D17.1/D17.1M-201x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M-2010)

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 960-B-201x, Assembly Component Tray - ACT (revision and redesignation of ANSI/EIA 960-A-2011)

BSR/EIA 60384-18 Ed.3-201x, Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO2) and non-solid electrolyte (identical national adoption of IEC 60384-18:2016 and revision of ANSI/EIA 60384-18-2014)

BSR/EIA 60384-19 Ed.3-201x, Fixed capacitors for use in electronic equipment - Part 19: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors (identical national adoption of IEC 60384-19:2015 and revision of ANSI/EIA 60384-19-2014)

BSR/EIA 60384-1 Ed.5-201x, Fixed capacitors for use in electronic equipment - Part 1: Generic specification (identical national adoption of IEC 60384-1:2016 and revision of ANSI/EIA 60384-1-2014)

BSR/EIA 60384-23 Ed.2-201x, Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount d.c. capacitors (identical national adoption of IEC 60384-23:2015 and revision of ANSI/EIA 60384-23-2014)

BSR/EIA 60384-4 Ed.5-201x, Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO2) and non-solid electrolyte (identical national adoption of IEC 60384-4:2016 and revision of ANSI/EIA 60384-4-2014)

BSR/EIA 60384-8 Ed.4-201x, Fixed capacitors for use in electronic equipment - Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1 (identical national adoption of IEC 60384 -8:2015 and revision of ANSI/EIA 60384-8-2014)

BSR/EIA 60384-9 Ed.4-201x, Fixed capacitors for use in electronic equipment - Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2 (identical national adoption of IEC 60384 -9:2015 and revision of ANSI/EIA 60384-9-2015)

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

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

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Phone: (202) 626-5746

Fax: (202) 638-4922

E-mail: comments@itic.org

INCITS/ISO/IEC 38500:2015, Information technology - Governance of IT for the organization (identical national adoption of ISO/IEC 38500:2015)

NEMA (National Electrical Manufacturers Association)

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

Contact: *Andrei Moldoveanu*

Phone: (703) 841 3290

Fax: (703) 841 3390

E-mail: and_moldoveanu@nema.org

BSR/NEMA EVSE 2-201x, Commercial EVSE Embedded Metering (new standard)

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

Office: 1899 Preston White Drive
Reston, VA 20191

Contact: *Debra Orf*

Phone: (703) 264-7200

Fax: (703) 620-0994

E-mail: dorf@npes.org

BSR/NAPIM 177.1-201x, Safety standard - Three-roll printing ink mills (revision of ANSI/NAPIM 177.1-2007 (R2011))

BSR/NAPIM 177.2-201x, Safety standard - Printing ink vertical post mixers (revision of ANSI/NAPIM 177.2-2006 (R2011))

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 (i126r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: *Teesha Jenkins*

Phone: (703) 907-7706

Fax: (703) 907-7727

E-mail: standards@tiaonline.org

BSR/J-STD-036-C-2-201x, Enhanced Wireless 9-1-1 Phase II (addenda to ANSI J-STD-036-C-2011)

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538

Contact: *Barbara Davis*

Phone: (510) 319-4233

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

BSR/UL 1417-2012 (R201x), Standard for Safety for Special Fuses for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1417-2012)

BSR/UL 60730-2-22-201X, Standard for Automatic Electrical Controls - Part 2-22: Particular Requirements for Thermal Motor Protectors (identical national adoption of IEC 60730-2-22)

Call for Members (ANS Consensus Bodies)

ASTM International Committee E62 on Industrial Biotechnology

ASTM International Committee E62 on Industrial Biotechnology (https://www.astm.org/COMMITTEE/E62.htm) is welcoming new members (in all interest groups) interested in contributing to the development of standards in areas such as:

- Differentiation of petroleum based materials from bio based raw materials
- Forms of biomass commonly used or proposed for use as feed stocks
- Carbohydrates and oils (not limited to these 2 areas) derived from biomass
- Determination of (and percentage of) green content
- Life Cycle Analysis used within industrial biotechnology
- “Drop-in” chemicals
- Analysis/testing of new chemicals and materials created by industrial biotechnology
- Assessment of purity and/or use/development of impurity profiles
- Labeling

If you are interested in joining Committee E62, please contact ASTM Director of Developmental Operations, Pat Picariello at ppicariello@astm.org, or visit the Membership area of the ASTM website (https://www.astm.org/MEMBERSHIP/index.html).

Call for Members (ANS Consensus Bodies)

ASTM International Committee E63 on Human Resource Management

ASTM International Committee E63 on Human Resource Management (https://www.astm.org/COMMITTEE/E63.htm) is welcoming new members (in all interest groups) interested in contributing to the development of standards in areas such as:

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- Employee and Labor Relations
- Staffing and Workforce Planning
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- Performance Management
- Sustainability and Workforce Readiness
- Training and Employee Development

If you are interested in joining Committee E63, please contact ASTM Director of Developmental Operations, Pat Picariello at ppicariello@astm.org or visit the Membership area of the ASTM website (https://www.astm.org/MEMBERSHIP/index.html).

Call for Members (ANS Consensus Bodies)

ASTM International Committee F42 on Additive Manufacturing Technologies

ASTM International Committee F42 on Additive Manufacturing Technologies (https://www.astm.org/COMMITTEE/F42.htm) is welcoming new members (in all interest groups) interested in contributing to the development of standards in areas outlined in the newly revised Additive Manufacturing Standards Structure (https://www.astm.org/COMMIT/F42_ISOASTM_AdditiveManuStandardsStructure.pdf) – topics under development include, but are not limited to:

- WK56649 Guide for Intentionally Seeding Flaws in Additively Manufactured (AM) Parts
- WK55297 Additive Manufacturing – General Principles – Standard Test Artefacts for Additive Manufacturing
- WK54856 Principles of Design Rules in Additive Manufacturing
- WK53425 Thermal Post Processing of Metal Powder Bed Fusion Parts
- WK53878 Additive Manufacturing – Material Extrusion Based Additive Manufacturing of Plastic Materials – Part 1: Feedstock materials
- WK53879 Additive Manufacturing – Material Extrusion Based Additive Manufacturing of Plastic Materials – Part 2: Process-equipment
- WK53880 Additive Manufacturing – Material Extrusion Based Additive Manufacturing of Plastic Materials: Final Part Specification

If you are interested in joining Committee F42, please contact ASTM Director of Developmental Operations, Pat Picariello at ppicariello@astm.org or visit the Membership area of the ASTM website (https://www.astm.org/MEMBERSHIP/index.html).

Call for Members (ANS Consensus Bodies)

Alliance for Telecommunications Industry Solutions (ATIS)
ANSI-Accredited Standards Developer

ATIS, an ANSI-accredited SDO, brings together the top global ICT companies to advance the industry's most pressing business priorities. ATIS is currently working to address the All-IP transition, network functions virtualization, big data analytics, device solutions, emergency services, M2M, cyber security, network evolution, quality of service, billing support, operations, and much more. ATIS member companies encompass a broad scope of Communications Service Providers, Network Suppliers, Power Suppliers, Subsystems Suppliers, Government Agencies, Associations, Consumer Products Suppliers and Application/OTT Providers.

ATIS is currently seeking to broaden the membership base of its ANSI consensus bodies and is interested in new members to participate in its initiatives, including emergency services, sustainability, energy efficiency, network reliability, and network administration. Of particular interest is membership from the government, academia, and user (communications service provider) communities. Membership and participation in ATIS' activities is open to all organizations as defined in ATIS' operating procedures. More information is available at www.atis.org or by e-mail from membership@atis.org.

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI/IEC 80601-2-30-2009/A1-2013 (R2017), Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated type non-invasive sphygmomanometers - Amendment 1 (reaffirmation of ANSI/AAMI/IEC 80601-2-30-2009/A1-2013): 1/10/2017

Revision

ANSI/AAMI/ISO 10993-6-2017, Biological evaluation of medical devices - Part 6: Tests for local effects after implantation (revision of ANSI/AAMI/ISO 10993-6-2007 (R2014)): 1/10/2017

AARST (American Association of Radon Scientists and Technologists)

Revision

* ANSI/AARST MAMF-2017, Protocol for Conducting Measurements of Radon and Radon Decay Product in Multifamily Buildings (revision of ANSI/AARST MAMF-2012): 1/10/2017

ASABE (American Society of Agricultural and Biological Engineers)

Withdrawal

ANSI/ASABE S599-2010 (R2015), Standardized Deployment Performance of an Automatically Deployable ROPS for Turf & Landscape Equipment (withdrawal of ANSI/ASABE S599-2010 (R2015)): 1/9/2017

ASSE (Safety) (American Society of Safety Engineers)

Revision

ANSI/ASSE A1264.1-2017, Safety Requirements for Workplace Walking/Working Surfaces & Their Access; Workplace Floor, Wall & Roof Openings; Stairs & Guardrails Systems (revision of ANSI/ASSE A1264.1-2007): 1/9/2017

ANSI/ASSE Z359.2-2017, Minimum Requirements for a Comprehensive Managed Fall Protection Program (revision of ANSI/ASSE Z359.2-2007): 1/9/2017

ASTM (ASTM International)

New Standard

ANSI/ASTM D8091-2016, Guide for Impregnation of Graphite with Molten Salt (new standard): 12/20/2016

ANSI/ASTM D8093-2016, Guide for Nondestructive Evaluation of Nuclear Grade Graphite (new standard): 12/20/2016

ANSI/ASTM F3189-2017, Test Method for Measuring Force Reduction, Vertical Deformation, and Energy Restitution of Synthetic Turf Systems using the Advanced Artificial Athlete (new standard): 1/1/2017

ANSI/ASTM F3226-2016, Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems (new standard): 12/20/2016

Reaffirmation

ANSI/ASTM F822-1993 (R2017), Specification for Chest of Drawers (Chiffonier), Steel, Marine (reaffirmation of ANSI/ASTM F822-1993 (R2010)): 1/1/2017

ANSI/ASTM F823-1993 (R2017), Specification for Desk, Log, Marine, Steel, with Cabinet (reaffirmation of ANSI/ASTM F823-1993 (R2010)): 1/1/2017

ANSI/ASTM F824-1993 (R2017), Specification for Tables, Mess, Marine, Steel (reaffirmation of ANSI/ASTM F824-1993 (R2010)): 1/1/2017

ANSI/ASTM F825-1993 (R2017), Specification for Drawers, Furniture, Marine, Steel (reaffirmation of ANSI/ASTM F825-1993 (R2010)): 1/1/2017

ANSI/ASTM F826-1994 (R2017), Specification for Tops, Furniture, Marine, Steel (reaffirmation of ANSI/ASTM F826-1994 (R2010)): 1/1/2017

ANSI/ASTM F987-2004 (R2017), Specification for Portable Intermediate Flush Deck Stanchion (reaffirmation of ANSI/ASTM F987-2004 (R2010)): 1/1/2017

ANSI/ASTM F1018-87A (R2017), Specification for Steel Emergency Gear Stowage Locker (reaffirmation of ANSI/ASTM F1018-87A (R2010)): 1/1/2017

Revision

ANSI/ASTM D1655-2017, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2016B): 12/20/2016

ANSI/ASTM D4171-2016a, Specification for Fuel System Icing Inhibitors (revision of ANSI/ASTM D4171-2016): 12/20/2016

ANSI/ASTM D7719-2016a, Specification for High Aromatic Content Unleaded Hydrocarbon Aviation Gasoline (revision of ANSI/ASTM D7719-2016): 12/20/2016

ANSI/ASTM D7959-2016, Test Method for Chloride Content Determination (revision of ANSI/ASTM D7959-2015): 12/20/2016

ANSI/ASTM E1995-2016, Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber, With the Test Specimen Oriented Horizontally (revision of ANSI/ASTM E1995-2012): 12/20/2016

ANSI/ASTM E2659-2017, Practice for Certificate Programs (revision of ANSI/ASTM E2659-2015): 1/1/2017

ANSI/ASTM E2782-2017, Guide for Measurement Systems Analysis (MSA) (revision of ANSI/ASTM E2782-2011): 1/1/2017

ANSI/ASTM F1114-2016, Specification for Heat Sanitizing Commercial Pot, Pan, and Utensil Stationary Rack Type Water-Driven Rotary Spray (revision of ANSI/ASTM F1114-2011): 12/20/2016

ANSI/ASTM F1150-2016, Specification for Commercial Food Waste Pulper and Waterpress Assembly (revision of ANSI/ASTM F1150 -2011): 12/20/2016

ANSI/ASTM F1202-2016, Specification for Washing Machines, Heat Sanitizing, Commercial, Pot, Pan, and Utensil Vertically Oscillating Arm Type (revision of ANSI/ASTM F1202-2011): 12/20/2016

ANSI/ASTM F1203-2016, Specification for Washing Machines - Pot, Pan, and Utensil, Heat Sanitizing, Commercial Rotary Conveyor Type (revision of ANSI/ASTM F1203-2011): 12/20/2016

ANSI/ASTM F2645-2016, Specification for Bun Slicing Machines (revision of ANSI/ASTM F2645-2007(2011)): 12/20/2016

ANSI/ASTM F2646-2016, Specification for Bread Slicing Machines (revision of ANSI/ASTM F2646-2007(2011)): 12/20/2016

Withdrawal

ANSI/ASTM D7592-2015a, Specification for Specification for Grade 94 Unleaded Aviation Gasoline Certification and Test Fuel (withdrawal of ANSI/ASTM D7592-2015a): 12/20/2016

AWS (American Welding Society)

Revision

ANSI/AWS D1.6/D1.6M-2017, Structural Welding Code - Stainless Steel (revision and redesignation of ANSI/AWS D1.6-2007): 1/9/2017

ANSI/AWS D3.6M-2017, Underwater Welding Code (revision of ANSI/AWS D3.6M-2010): 1/10/2017

CSA (CSA Group)

Reaffirmation

* ANSI Z21.40.2-1996 (R2017) and Z21.40.2a-1997 (R2017), Air-Conditioning and Heat Pump Appliances (Internal Combustion) (reaffirmation of ANSI Z21.40.2-1996 (R2012) and Z21.40.2a-1997 (R2012)): 1/9/2017

* ANSI/CSA FC3-2004 (R2017), Portable Fuel Cell Power Systems (reaffirmation of ANSI/CSA FC3-2004 (R2009)): 1/9/2017

EMAP (Emergency Management Accreditation Program)

Revision

ANSI/EMAP EMS2016-2016, Emergency Management Standard (revision and redesignation of ANSI/EMAP EMS2013-2013): 1/10/2017

HL7 (Health Level Seven)

New Standard

ANSI/HL7 V3 PASSAC, R1-2017, HL7 Version 3 Standard: Privacy, Access and Security Services (PASS) Access Control, Release 1 (new standard): 1/9/2017

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

Reaffirmation

* ANSI/IAPMO Z600/CSA B125.5-2011 (R2017), Flexible water connectors with excess flow shut-off devices (reaffirmation of ANSI/IAPMO Z600/CSA B125.5-2011): 1/10/2017

Revision

* ANSI/CSA B45.5/IAPMO Z124-2016, Plastic plumbing fixtures (revision of ANSI/IAPMO Z124/CSA B45.5-2011): 1/10/2017

IEEE (Institute of Electrical and Electronics Engineers)

Revision

ANSI/IEEE C37.103-2015, Guide for Differential and Polarizing Relay Circuit Testing (revision of ANSI/IEEE C37.103-2003 (R2010)): 1/9/2017

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

Reaffirmation

INCITS 478-2011 [R2016], Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) (reaffirmation of INCITS 478-2011): 12/27/2016

NW&RA (ASC Z245) (National Waste & Recycling Association)

Revision

ANSI Z245.1-2017, Equipment Technology and Operations for Wastes and Recyclable Materials - Mobile Wastes and Recyclable Materials Collection, Transportation, and Compaction Equipment - Safety Requirements (revision of ANSI Z245.1-2012): 1/9/2017

SCTE (Society of Cable Telecommunications Engineers)

Revision

ANSI/SCTE 165-16-2016, IPCablecom 1.5 Part 16: Management Event Mechanism (revision of ANSI/SCTE 165-16-2009): 1/9/2017

ANSI/SCTE 165-21-2016, IPCablecom 1.5 Part 21: Signaling Extension MIB (revision of ANSI/SCTE 165-21-2009): 1/9/2017

SDI (Steel Deck Institute)

Revision

* ANSI/SDI C-2017, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI C-2011): 1/9/2017

* ANSI/SDI NC-2017, Standard for Non-Composite Steel Floor Deck (revision of ANSI/SDI NC-2010): 1/9/2017

* ANSI/SDI QA/QC-2017, Standard for Quality Control and Quality Assurance for Installation of Steel Deck (revision of ANSI/SDI QA/QC-2011): 1/9/2017

* ANSI/SDI RD-2017, Standard for Steel Roof Deck (revision of ANSI/SDI RD-2010): 1/9/2017

* ANSI/SDI T-CD-2017, Test Standard for Composite Steel Deck Slabs (revision of ANSI/SDI T-CD-2011): 1/9/2017

TCIA (ASC A300) (Tree Care Industry Association)

Revision

* ANSI A300 (Part 1)-2017, Tree, Shrub, and Other Woody Plant Management (Pruning) (revision and redesignation of ANSI A300 (Part 1) Pruning-2008 (R2014)): 1/10/2017

* ANSI A300 (Part 9)-2017, Tree, Shrub, and Other Woody Plant Management (Tree Risk Assessment a. Tree Failure) (revision of ANSI A300 (Part 9)-2011): 1/10/2017

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 412-2017, Standard for Refrigeration Unit Coolers (revision of ANSI/UL 412-2012): 1/9/2017

Project Initiation Notification System (PINS)

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

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

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

AAMI (Association for the Advancement of Medical Instrumentation)

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BSR/AAMI ST8-201x, Hospital steam sterilizers (revision of ANSI/AAMI ST8-2013)

Stakeholders: Sterilizer manufacturers, users, sterilization science experts.

Project Need: Revise existing standard to reflect current technology.

This standard applies to steam sterilizers that are intended for use in hospitals and other health care facilities and that have a volume greater than 56.63 liters (L) (2 cubic feet [ft^3]).

ASABE (American Society of Agricultural and Biological Engineers)

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BSR/ASABE AD26322-2-201x MONYEAR, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (revision and redesignation of ANSI/ASABE/ISO 26322-2-2012)

Stakeholders: All manufacturers of tractors for agriculture.

Project Need: Periodic review of the standard identified the need to update the references.

Specifies general safety requirements and verification for design and construction of narrow-track and small tractors used in agriculture and forestry. Specifies type of information on safe working practices to be provided by the manufacturer. Provides technical means for improving the level of personal safety of operators and others involved in the course of normal operation, maintenance and use of these tractors. Applicable to narrow-track tractors having at least two axles for pneumatic-tired wheels, or having tracks instead of wheels with a smallest fixed or adjustable track width of not more than 1,150 mm, and small tractors with an unladen mass not greater than 600 kg used in agriculture and forestry.

ASME (American Society of Mechanical Engineers)

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BSR/ASME BPVC Section XIII-201x, ASME Boiler and Pressure Vessel Code - Rules for Overpressure Protection (new standard)

Stakeholders: Jurisdictions; equipment owners/operators (boiler, pressure vessel, and piping including nuclear and non-nuclear); design firms; pressure relief device manufacturers; relief device repair organizations; insurance and inspection agencies.

Project Need: There are many Recognized and Generally Accepted Good Engineering Practices (RAGAGEPs) that address various aspects of pressure relief systems but none can be considered a comprehensive resource. This new standard is needed to bring uniformity to the requirements for overpressure protection devices, not only within the ASME Codes, but for all industries and users. The long-term objective of this new Standard will be to consolidate rules and provide references to other standards, thus establishing it as the essential resource for overpressure protection.

This standard provides the requirements for pressure relief devices or system design used to protect against overpressure in pressurized equipment. It establishes rules for each type of pressure relief device including materials, design, construction, settings, testing, and capacity certification as well as performance testing and installation requirements for pressure relief devices and conceptual requirements for system design.

ATCC (American Type Culture Collection)

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BSR/ATCC ASN-0002.1-201x, Authentication of Human Cell Lines: Standardization of STR Profiling (revision and redesignation of ANSI/ATCC ASN-0002-2011)

Stakeholders: Users of Human Cell lines in research and industry, including, but not limited to the fields of medicine, genetics, drug discovery, vaccine development, biotechnology and pharmaceutical industries, reconstructive medicine, basic science, HIV testing and treatment, and cell biology.

Project Need: Revision and 5-year renewal.

Revision and Renewal of ASN-0002, Authentication of Human Cell Lines: Standardization of STR Profiling.

ECIA (Electronic Components Industry Association)

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BSR/EIA 60384-18 Ed.3-201x, Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO2) and non-solid electrolyte (identical national adoption of IEC 60384-18:2016 and revision of ANSI/EIA 60384-18-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 applies to fixed aluminum electrolytic surface mount capacitors with solid (MnO2) and non-solid electrolyte primarily intended for d.c. applications for use in electronic equipment. These capacitors are primarily intended for use in electronic equipment to be mounted directly on substrates for hybrid circuits or to printed boards. Capacitors for special-purpose applications may need additional requirements.

BSR/EIA 60384-19 Ed.3-201x, Fixed capacitors for use in electronic equipment - Part 19: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors (identical national adoption of IEC 60384-19:2015 and revision of ANSI/EIA 60384-19-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 is applicable to fixed-surface mount capacitors for direct current, with metallized electrodes and polyethylene-terephthalate dielectric for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards. These capacitors may have "self-healing properties" depending on conditions of use. They are primarily intended for applications where the a.c. component is small with respect to the rated voltage. Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

BSR/EIA 60384-1 Ed.5-201x, Fixed capacitors for use in electronic equipment - Part 1: Generic specification (identical national adoption of IEC 60384-1:2016 and revision of ANSI/EIA 60384-1-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 is a generic specification and is applicable to fixed capacitors for use in electronic equipment. It establishes standard terms, inspection procedures, and methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

BSR/EIA 60384-23 Ed.2-201x, Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount d.c. capacitors (identical national adoption of IEC 60384-23:2015 and revision of ANSI/EIA 60384-23-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 is applicable to fixed surface mount capacitors for direct current, with metallized electrodes and polyethylene naphthalate dielectric for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards. These capacitors may have "self-healing properties" depending on conditions of use. They are primarily intended for applications where the a.c. component is small with respect to the rated voltage. Capacitors for radio interference suppression are not included, they are covered by IEC 60384-14.

BSR/EIA 60384-4 Ed.5-201x, Fixed capacitors for use in electronic equipment- Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO2) and non-solid electrolyte (identical national adoption of IEC 60384-4:2016 and revision of ANSI/EIA 60384-4-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 applies to fixed aluminum electrolytic capacitors with solid (MnO2) and non-solid electrolyte primarily intended for d.c. applications for use in electronic equipment. It covers capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for fixed surface mount aluminum electrolytic capacitors are not included but they are covered by IEC 60384-18. Capacitors for special-purpose applications may need additional requirements.

BSR/EIA 60384-8 Ed.4-201x, Fixed capacitors for use in electronic equipment - Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1 (identical national adoption of IEC 60384 -8:2015 and revision of ANSI/EIA 60384-8-2014)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 is applicable to fixed capacitors of ceramic dielectric with a defined temperature coefficient (dielectric Class 1), intended for use in electronic equipment, including leadless capacitors but excluding fixed surface mount multilayer capacitors of ceramic dielectric, which are covered by IEC 60384-21 (Class 1). Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

BSR/EIA 60384-9 Ed.4-201x, Fixed capacitors for use in electronic equipment - Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2 (identical national adoption of IEC 60384 -9:2015 and revision of ANSI/EIA 60384-9-2015)

Stakeholders: Electronics, electrical, and telecommunications industries.

Project Need: Adopt identical IEC standard and revise current standard.

This part of IEC 60384 is applicable to fixed capacitors of ceramic dielectric with a defined temperature coefficient (dielectric Class 2), intended for use in electronic equipment, including leadless capacitors but excluding fixed surface mount multilayer capacitors of ceramic dielectric, which are covered by IEC 60384-22 (Class 2). Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

NEMA (National Electrical Manufacturers Association)

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BSR/NEMA EVSE 2-201x, Commercial EVSE Embedded Metering (new standard)

Stakeholders: EVSE manufacturers, Weights and Measures inspectors and officials, Utilities, Electrical Energy Distribution companies.

Project Need: This standard covers electric vehicle service equipment (EVSE) applications that must comply with NIST Handbook 44 and NIST Handbook 130 requirements for the commercial sale of electricity as a motor fuel. It describes embedded metering and related display and communications functions that the EVSE needs to measure, calculate, and deliver a receipt to the customer.

This document addresses the legal metrology and related functions that are required for North American EVSE deployed for commercial use by the general public. It sets forth the performance, testing and marking requirements for EVSE-embedded energy, and time-metering functions including accuracy, calibration, communication, security, and reliability. This standard covers AC- and DC-conductive charging systems designed for commercial use.

NPES (ASC B65) (Association for Suppliers of Printing, Publishing and Converting Technologies)

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Reston, VA 20191

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BSR/NAPIM 177.1-201x, Safety standard - Three-roll printing ink mills (revision of ANSI NAPIM 177.1-2007 (R2011))

Stakeholders: Users of three-roll printing ink mills.

Project Need: Revision needed to address safety hazards that have resulted in accidents in plants that are compliant with the 2007 standard.

The requirements of this standard apply to all three-roll mills used for the manufacturing of printing inks in the printing ink manufacturing industry. The purpose of this standard is to establish safety requirements with respect to safety controls, operating procedures and design of three-roll mills used for the manufacturing of printing inks. This standard should be applied to smaller mills where applicable and practical.

BSR/NAPIM 177.2-201x, Safety standard - Printing ink vertical post mixers (revision of ANSI NAPIM 177.2-2006 (R2011))

Stakeholders: Users of printing ink vertical post mixers.

Project Need: Revision needed to address safety hazards related to guarding and two-hand controls.

The requirements of this standard apply to vertical post mixers designed to be used in the production and manufacturing of printing inks. The purpose of this standard is to establish safety requirements with respect to the design and operation of vertical post mixers for batches larger than 4 gallons or mixers over 3 HP.

TCIA (ASC A300) (Tree Care Industry Association)

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* BSR A300 (Part 5)-201x, Tree, Shrub, and Other Woody Plant Management Standard Practices (Management of Trees and Shrubs during Site Planning, Site Development, and Construction) (revision of ANSI A300 (Part 5)-2012)

Stakeholders: Tree Care industry, Green industry, arborists, Land Care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2012.

A300 standards are performance standards for the management of trees, shrubs, and other woody plants. They are also a guide in the drafting of maintenance specifications for federal, state, municipal, and private authorities including property owners, property managers, and utilities. BSR A300 (Part 5)-201x, Management of Trees and Shrubs during Site Planning, Site Development, and Construction, will provide standard practices for management of trees and shrubs during site development activities.

* BSR A300 (Part 6)-201x, Tree, Shrub, and Other Woody Plant Management Standard Practices (Planting and Transplanting) (revision of ANSI A300 (Part 6)-2012)

Stakeholders: Tree Care industry, Green industry, arborists, Land Care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2012.

A300 standards are performance standards for the management of trees, shrubs, and other woody plants. They are also a guide in the drafting of maintenance specifications for federal, state, municipal, and private authorities including property owners, property managers, and utilities. BSR A300 (Part 6)-201x, Planting and Transplanting, will provide standard practices for tree and woody plant installations.

* BSR A300 (Part 7)-201x, Tree, Shrub, and Other Woody Plant Management Standard Practices (Integrated Vegetation Management) (revision of ANSI A300 (Part 7)-2012)

Stakeholders: Tree Care industry, Green industry, arborists, Land Care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2012.

A300 standards are performance standards for the management of trees, shrubs, and other woody plants. They are also a guide in the drafting of maintenance specifications for federal, state, municipal, and private authorities including property owners, property managers, and utilities. BSR A300 (Part 7)-201x, Integrated Vegetation Management, will provide standard practices for vegetation control using cultural, chemical, mechanical methods, and related methods in a coordinated program/system.

VC (ASC Z80) (The Vision Council)

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BSR Z80.37-201x, Slit-lamp Microscopes (new standard)

Stakeholders: Manufacturers, distributors of slit-lamp microscopes; the ophthalmic clinical community.

Project Need: Currently ISO 10939 refers to 15004-2 for radiation levels that experts from the United States feel are unsafe. A new ANSI standard parallel to ISO 10939 is needed, using language taken from 10939, but inserting radiation limits that the US experts feel provide more safety.

Together with ISO 15004-1 and ANSI Z80.36, this standard specifies requirements and test methods for slit-lamp microscopes to provide slit illumination and observation under magnification of the eye and its adnexa. This American National Standard does not apply to microscope accessories, e.g., photographic equipment and lasers.

BSR Z80.38-201x, Light Hazard from Operation Microscopes Used in Ocular Surgery (new standard)

Stakeholders: Manufacturers, distributors of operation microscopes used in ocular surgery; the ophthalmic clinical community.

Project Need: Currently ISO 10936-2 refers to 15004-2 for radiation levels that experts from the United States feel are unsafe. A new ANSI standard parallel to ISO 10936-2 is needed, using language taken from 10936-2, but inserting radiation limits that the US experts feel provide more safety.

Specifies requirements and test methods for optical radiation hazards from operation microscopes that are used during ocular surgery.

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.

AAMI
Association for the Advancement of Medical Instrumentation
4301 N. Fairfax Dr., Suite 301
Arlington, VA 22203
Phone: (703) 253-8284
Fax: (703) 276-0793
Web: www.aami.org

AARST
American Association of Radon Scientists and Technologists
P.O. Box 2109
Fletcher, NC 28732
Phone: (202) 830-1110
Fax: (913) 780-2090
Web: www.aarst.org

ADA (Organization)
American Dental Association
211 E. Chicago Ave
Chicago, IL 60611
Phone: (312) 440-2533
Fax: (312) 440-2529
Web: www.ada.org

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285
Web: www.amca.org

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

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329-2305
Phone: (678) 539-1125
Fax: (678) 539-1125
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASSE (ASC A1264)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 232-2012
Fax: (847) 699-2929
Web: www.asse.org

ASSE (Safety)
American Society of Safety Engineers
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Fax: (847) 296-9221
Web: www.asse.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

ATCC
American Type Culture Collection
10801 University Boulevard
Manassas, VA 20110
Phone: (703) 365-2802
Fax: (703) 334-2944
Web: www.atcc.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8840
Web: www.atis.org

AWS
American Welding Society
8669 NW 36 ST., #130
Miami, FL 33166
Phone: (800) 443-9353
Fax: (305) 443-5951
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Fax: (303) 795-7603
Web: www.awwa.org

CSA
CSA Group
8501 East Pleasant Valley Rd.
Cleveland, OH 44131
Phone: (216) 524-4990 x88321
Fax: (216) 520-8979
Web: www.csa-america.org

ECIA
Electronic Components Industry Association
2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212
Phone: (571) 323-0294
Fax: (571) 323-0245
Web: www.ecianow.org

EMAP
Emergency Management Accreditation Program
2760 Research Park Drive
Lexington, KY 40578
Phone: (859) 244-8242
Web: www.emaponline.org

HL7
Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (734) 677-7777
Fax: (734) 677-6622
Web: www.hl7.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials
5001 E. Philadelphia Street
Ontario, CA 91761-2816
Phone: (909) 472-4136
Fax: (909) 472-4178
Web: www.iapmort.org

IEEE
Institute of Electrical and Electronics Engineers (IEEE)
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Fax: (732) 796-6966
Web: www.ieee.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5737
Fax: (202) 638-4922
Web: www.incits.org

NASBLA
National Association of State Boating Law Administrators
1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511
Phone: (859) 225-9487
Web: www.nasbla.org

NEMA (ASC Z535)
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, VA 22209
Phone: (703) 841-3299
Web: www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841 3290
Fax: (703) 841 3390
Web: www.nema.org

NPES (ASC CGATS)
NPES
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Fax: (703) 620-0994
Web: www.npes.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Fax: (734) 827-7875
Web: www.nsf.org

NW&RA (ASC Z245)
National Waste & Recycling Association
4301 Connecticut Ave, Suite 300
Washington, DC 20008
Phone: (202) 364-3710
Web: www.wasterecycling.org

SAIA (ASC A92)
Scaffold & Access Industry Association
400 Admiral Boulevard
Kansas City, MO 64106
Phone: (816) 595-4860
Web: www.saiaonline.org

SCTE
Society of Cable Telecommunications Engineers

140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Fax: (800) 542-5040
Web: www.scte.org

SDI (Canvass)
Steel Deck Institute

PO Box 426
Glenshaw, PA 15116
Phone: (412) 487-3325
Web: www.sdi.org

TCIA (ASC A300)
Tree Care Industry Association

136 Harvey Road
Suite 101
Londonderry, NH 03053
Phone: (603) 314-5380
Fax: (603) 314-5386
Web: www.treecareindustry.org

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Fax: (703) 907-7727
Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-3038
Fax: (847) 664-3038
Web: www.ul.com

VC (ASC Z80)
The Vision Council

225 Reinekers Lane
Suite 700
Alexandria, VA 22314
Phone: (703) 740-1094
Fax: (703) 548-4580
Web: www.z80asc.com

ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to 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

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 19971, Space systems - Spacecraft and launch vehicle combined operation plan (COP) at launch site - General format - 4/5/2017, $77.00

ISO/DIS 20188, Space systems - Product assurance requirements for commercial satellites - 2/5/2017, $102.00

ISO/DIS 20780, Space systems - Fiber optic components - Design and verification requirements - 4/5/2017, $77.00

ISO/DIS 20892, Space systems - Launch complexes modernization process - General requirements - 2/5/2017, $46.00

DENTISTRY (TC 106)

ISO 9687/DAmd1, Dentistry - Graphical symbols for dental equipment - Amendment 1 - 4/9/2017, $29.00

FERROUS METAL PIPES AND METALLIC FITTINGS (TC 5)

ISO/DIS 10804, Restrained joint systems for ductile iron pipelines - Design rules and type testing - 4/2/2017, $40.00

FOOTWEAR (TC 216)

ISO/DIS 20150, Footwear and footwear components - Quantitative challenge test method to assess antifungal activity - 2/4/2017, $58.00

ISO/DIS 20536, Footwear - Critical substances potentially present in footwear and footwear components - Determination of phenol in footwear materials - 2/4/2017, $53.00

GAS CYLINDERS (TC 58)

ISO/DIS 10298, Gas cylinders - Gases and gas mixtures - Determination of toxicity for the selection of cylinder valve outlets - 4/7/2017, $62.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19115-2, Geographic information - Metadata - Part 2: Extensions for acquisition and processing - 4/2/2017, $112.00

ISO/DIS 19130-1, Geographic information - Imagery sensor models for geopositioning - Part 1: Fundamentals - 4/6/2017, $185.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 5832-2, Implants for surgery - Metallic materials - Part 2: Unalloyed titanium - 2/1/2017, $33.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 25498, Microbeam analysis - Analytical electron microscopy - Selected-area electron diffraction analysis using a transmission electron microscope - 2/4/2017, $98.00

ISO/DIS 29301, Microbeam analysis - Analytical transmission electron microscopy - Methods for calibrating image magnification by using reference materials having periodic structures - 2/4/2017, $112.00

NATURAL GAS (TC 193)

ISO/DIS 20729, Natural gas - Determination of sulfur compounds - Determination of total sulfur content by ultraviolet fluorescence method - 4/2/2017, $62.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 19443, Quality management systems - Specific requirements for the application of ISO 9001 and IAEA GS-R requirements by organizations in the supply chain of the nuclear energy sector - 4/2/2017, $93.00

ISO/DIS 12749-5, Nuclear energy, nuclear technologies, and radiological protection - Vocabulary - Part 5: Nuclear reactors - 4/2/2017, $119.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO 16671/DAmd1, Ophthalmic implants - Irrigating solutions for ophthalmic surgery - Amendment 1 - 4/7/2017, $33.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 2714, Liquid hydrocarbons - Volumetric measurement by displacement meter - 2/3/2017, $102.00

ISO/DIS 2715, Liquid hydrocarbons - Volumetric measurement by turbine flowmeter - 2/3/2017, $107.00

ISO/DIS 6743-6, Lubricants, industrial oils and related products (class L) - Classification - Part 6: Family C (Gear systems) - 4/2/2017, $33.00

ISO/DIS 12925-1, Lubricants, industrial oils and related products (class L) - Family C (Gears) - Part 1: Specifications for lubricants for enclosed gear systems - 4/2/2017, $82.00

PLASTICS AND RUBBER MACHINES (TC 270)

ISO/DIS 20430, Plastics and rubber machines - Injection moulding machines - Safety requirements - 2/2/2017, $175.00

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

ISO/DIS 4065, Thermoplastics pipes - Universal wall thickness table - 2/3/2017, $46.00

ISO/DIS 10146, Crosslinked polyethylene (PE-X and PE-MDX) - Effect of time and temperature on expected strength - 2/4/2017, $53.00

ISO/DIS 11922-1, Thermoplastics pipes for the conveyance of fluids - Dimensions and tolerances - Part 1: Metric series - 2/3/2017, $62.00

PROSTHETICS AND ORTHOTICS (TC 168)

ISO/DIS 21063, Prosthetics and orthotics - Soft orthoses - Uses, functions, classification and description - 2/2/2017, $33.00

ISO/DIS 21064, Prosthetics and orthotics - Foot orthotics - Uses, functions classification and description - 2/2/2017, $33.00

ISO/DIS 21065, Prosthetics and orthotics - Terms relating to the treatment and rehabilitation of persons having a lower limb amputation - 2/2/2017, $40.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 247-2, Rubber - Determination of ash - Part 2: Thermogravimetric analysis (TGA) - 4/8/2017, $40.00

ISO/DIS 2781, Rubber, vulcanized or thermoplastic - Determination of density - 4/7/2017, $53.00

SAFETY DEVICES FOR PROTECTION AGAINST EXCESSIVE PRESSURE (TC 185)

ISO/DIS 4126-2, Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices - 2/5/2017, $82.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 18894, Coke - Determination of coke reactivity index (CRI) and coke strength after reaction (CSR) - 4/2/2017, $77.00

STEEL (TC 17)

ISO/DIS 9364, Steel sheet, 55% aluminium-zinc alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities - 4/6/2017, $67.00

ISO/DIS 14788, Steel sheet, zinc-5% aluminium alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities - 4/7/2017, $77.00

ISO/DIS 20805, Hot-rolled steel sheet in coils of higher yield strength with improved formability and heavy thickness for cold forming - 4/4/2017, $58.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 25424, Sterilization of health care products - Low temperature steam and formaldehyde - Requirements for development, validation and routine control of a sterilization process for medical devices - 2/4/2017, $112.00

ISO/DIS 13408-2, Aseptic processing of health care products - Part 2: Sterilizing filtration - 4/7/2017, $102.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 9518, Forestry machinery - Portable chain-saws - Kickback test - 4/6/2017, $125.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 25110, Electronic fee collection - Interface definition for on-board account using integrated circuit card (ICC) - 2/5/2017, $107.00

ISO/DIS 16407-1, Electronic fee collection - Evaluation of equipment for conformity to ISO/TS 17575-1 - Part 1: Test suite structure and test purposes - 2/5/2017, $165.00

WATER QUALITY (TC 147)

ISO/DIS 9698, Water quality - Tritium - Test method using liquid scintillation counting - 4/2/2017, $93.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 2553, Welding and allied processes - Symbolic representation on drawings - Welded joints - 4/6/2017, $125.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18033-2/DAmd1, Information technology - Security techniques - Encryption algorithms - Part 2: Asymmetric ciphers - Amendment 1: FACE - 2/3/2017, $67.00

ISO/IEC 29170-2/DAmd1, - Amendment 1: Parameters for nearly lossless coding of high dynamic range media - 2/1/2017, $46.00

ISO/IEC 29170-2/DAmd2, - Amendment 2: Evaluation procedure for nearly lossless coding of image sequences - 2/1/2017, $53.00

ISO/IEC 30134-1/DAmd1, - Amendment 1 - 4/5/2017, $29.00

ISO/IEC DIS 21277, Information technology - Radio frequency identification device performance test methods - Crypto suite - 2/3/2017, $53.00

ISO/IEC DIS 27034-3, Information technology - Application security - Part 3: Application security management process - 2/3/2017, $119.00

IEC Standards

AC/3/2017, Draft IEC Guide 116 Edition 2, Guidelines for safety related risk assessment and risk reduction for low voltage equipment, 017/4/7/

10/1010/CDV, IEC 60376: Specification of technical grade sulfur hexafluoride (SF6) and complementary gases to be used in its mixtures for use in electrical equipment, 017/4/7/

18/1561/NP, PNW 18-1561: Electrical installations in ships - Primary DC distribution - System design architecture, 017/4/7/

22F/440/DTR, IEC TR 62543/AMD2 ED1: High-voltage direct current (HVDC) power transmission using voltage sourced converters (VSC), 2017/3/10

31/1302/DC, Amendment to IEC 60079-6: 2015 Explosive atmospheres - Part 6: Equipment protection by liquid immersion "o", 2017/2/24

31J/267/CDV, IEC 60079-19/Ed4: Explosive atmospheres - Part 19: Equipment repair, overhaul and reclamation, 017/4/7/

34A/1963/CDV, IEC 62031 Ed. 2: LED modules for general lighting - Safety specifications, 017/4/7/

34C/1299/CD, IEC 62386-104 ED1: Digital addressable lighting interface - Part 104: General requirements - Wireless system components, 017/4/7/

45/821/FDIS, IEC 62976 ED1: Industrial non-destructive testing equipment - Electron linear accelerator, 2017/2/24

45/820/CD, IEC 63048 ED1: General requirements for Remote and unmanned automatic devices for nuclear and radiological applications, 017/4/7/

47/2356/CD, IEC 62951-2 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 2: Acceleration test for electron mobility, sub-threshold swing, and threshold voltage of flexible devices, 2017/3/10

47/2357/CD, IEC 62951-3 ED1: Semiconductor devices - Flexible and stretchable semiconductor devices - Part 3: Evaluation of thin film transistor characteristics on flexible substrates under bulging, 2017/3/10

47/2362/FDIS, IEC 60749-28 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - Device level, 2017/2/24

48B/2540/CDV, Connectors for electronic equipment - Product requirements - Part 3-119: rectangular connectors - Detail specification for unshielded, free and fixed 10 way connectors with push-pull coupling for industrial environments with frequencies up to 100 mhz, 017/4/7/

57/1832/CD, IEC TS 61850-2 ED2: Communication networks and systems for power utility automation - Part 2: Glossary, 017/4/7/

57/1829/CD, IEC TS 61850-80-5 ED1: Communication networks and systems for power utility automation - Part 80-5: Guideline for mapping information between IEC 61850 and IEC 61158-6 (Modbus), 017/4/7/

59K/287/CDV, IEC 60350-2 ED2: Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance, 017/4/7/

62A/1177/NP, PNW 62A-1177: Environmental conscious design of medical electrical equipment - Particular requirements for refurbishment of medical electrical equipment and systems, for re-use of parts, for a management of critical or hazardous substances contained in medical electrical equipment and systems and for a closed loop Business-to-Business take back system, 2017/2/10

62B/1036/CD, IEC 61223-3-5 ED2: Evaluation and routine testing in medical imaging departments - Part 3-5: Acceptance tests - Imaging performance of computed tomography X-ray equipment, 2017/3/10

62B/1034/CD, IEC 62985 ED1: Methods for calculating Size Specific Dose Estimate (SSDE) on Computed Tomography, 2017/3/10

95/358/CD, IEC 60255-1 ED2: Measuring relays and protection equipment - Part 1: Common requirements, 2017/3/10

105/635/FDIS, IEC 62282-4-102 ED1: Fuel cell technologies - Part 4 -102: Fuel cell power systems for industrial electric trucks - Performance test methods, 2017/2/24

108/675/CDV, IEC 62368-3/Ed1: Audio/video, information and communication technology equipment - Safety - Part 3: DC power transfer through communication cables and ports, 017/4/7/

110/832/CD, IEC 62977-2-1 ED1: Electronic display devices - Part 2-1: Measurements of optical characteristics- Fundamental measurements, 2017/3/10

110/813/CDV, IEC 62906-5-1 Ed.1: Laser display devices - Part 5-1: Measurement of optical performance for laser front projection, 017/4/7/

114/208/CD, IEC TS 62600-20 ED1: Marine energy - Wave, tidal, and other water current converters - Part 20: General guidance for design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant, 2017/3/10

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

ACOUSTICS (TC 43)

ISO 7029:2017, Acoustics - Statistical distribution of hearing thresholds related to age and gender, $138.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 18465:2017, Microbiology of the food chain - Quantitative determination of emetic toxin (cereulide) using LC-MS/MS, $103.00

ISO 19563:2017, Determination of theanine in tea and instant tea in solid form using high-performance liquid chromatography, $103.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 16004:2017, Aircraft ground equipment - Passenger boarding bridge or transfer vehicle - Interface requirements with aircraft doors, $45.00

CAST IRON AND PIG IRON (TC 25)

ISO 16112:2017, Compacted (vermicular) graphite cast irons - Classification, $138.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 1938-2:2017, Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Reference disk gauges, $68.00

FINE CERAMICS (TC 206)

ISO 19606:2017, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for surface roughness of fine ceramic films by atomic force microscopy, $138.00

ISO 19722:2017, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determination of photocatalytic activity on semiconducting photocatalytic materials by dissolved oxygen consumption, $103.00

GAS CYLINDERS (TC 58)

ISO 11114-1/Amd1:2017, Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials - Amendment 1, $19.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 10880:2017, Non-destructive testing - Infrared thermographic testing - General principles, $68.00

ISO 15708-4:2017, Non-destructive testing - Radiation methods for computed tomography - Part 4: Qualification, $68.00

ISO 18251-1:2017, Non-destructive testing - Infrared thermography - Part 1: Characteristics of system and equipment, $68.00

NUCLEAR ENERGY (TC 85)

ISO 18310-1:2017, Measurement and prediction of the ambient dose equivalent from patients receiving iodine 131 administration after thyroid ablation - Part 1: During the hospitalization, $138.00

OTHER

ISO 19675:2017, Non-destructive testing - Ultrasonic testing - Specification for a calibration block for phased array testing (PAUT), $138.00

PAINTS AND VARNISHES (TC 35)

ISO 8502-2:2017, Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 2: Laboratory determination of chloride on cleaned surfaces, $45.00

ISO 8502-3:2017, Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method), $68.00

ISO 8502-4:2017, Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 4: Guidance on the estimation of the probability of condensation prior to paint application, $138.00

ISO 20567-1:2017, Paints and varnishes - Determination of stone-chip resistance of coatings - Part 1: Multi-impact testing, $68.00

ISO 20567-2:2017, Paints and varnishes - Determination of stone-chip resistance of coatings - Part 2: Single-impact test with a guided impact body, $68.00

PHOTOGRAPHY (TC 42)

ISO 12233:2017, Photography - Electronic still picture imaging - Resolution and spatial frequency responses, $185.00

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

ISO 15876-1:2017, Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 1: General, $68.00

ISO 15876-2:2017, Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 2: Pipes, $103.00

ISO 15876-3:2017, Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings, $103.00

ISO 15876-5:2017, Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 5: Fitness for purpose of the system, $68.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

ISO 15236-2:2017, Steel cord conveyor belts - Part 2: Preferred belt types, $45.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 6134:2017, Rubber hoses and hose assemblies for saturated steam - Specification, $68.00

SOLID BIOFUELS (TC 238)

ISO 18134-2:2017, Solid biofuels - Determination of moisture content - Oven dry method - Part 2: Total moisture - Simplified method, $45.00

TEXTILES (TC 38)

ISO 14362-1:2017, Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres, $162.00

ISO 14362-3:2017, Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene, $103.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 5395-3/Amd1:2017, Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 3: Ride-on lawnmowers with seated operator - Amendment 1: OPC, Parking brake, ROPS, pressurized hoses, cutting means, grass catcher and test probe, $19.00

ISO Technical Reports

LEATHER (TC 120)

ISO/TR 2822-2:2017, Leather - Raw cattle hides and calf skins - Part 2: Guidelines for grading on the basis of mass, $68.00

ISO/TR 2822-3:2017, Leather - Raw cattle hides and calf skins - Part 3: Guidelines for grading on the basis of defects, $68.00

ROUND STEEL LINK CHAINS, CHAIN SLINGS, COMPONENTS AND ACCESSORIES (TC 111)

ISO/TR 21704:2017, Toughness of round steel link chains - Test with sub-size specimens, $185.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/TR 37121:2017, Sustainable development in communities - Inventory of existing guidelines and approaches on sustainable development and resilience in cities, $232.00

ISO Technical Specifications

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/TS 21219-25:2017, Intelligent transport systems - Traffic and travel information (TTI) via transport protocol experts group, generation 2 (TPEG2) - Part 25: Electromobility charging infrastructure (TPEG2-EMI), $209.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23008-3/Amd3:2017, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 3: MPEG-H 3D Audio Phase 2, $232.00

IEC Standards

FIBRE OPTICS (TC 86)

IEC 60794-1-2 Ed. 4.0 b:2017, Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance, $47.00

MEASURING EQUIPMENT FOR ELECTROMAGNETIC QUANTITIES (TC 85)

IEC 61557-9 Ed. 3.0 b cor.2:2017, Corrigendum 2 - Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems

OTHER

CISPR 16-1-6 Amd.1 Ed. 1.0 b:2017, Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, $47.00

CISPR 16-1-6 Ed. 1.1 b:2017, Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, $586.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)

IEC 61010-2-030 Ed. 2.0 b:2017, Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits, $281.00

S+ IEC 61010-2-030 Ed. 2.0 en:2017 (Redline version), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for equipment having testing or measuring circuits, $366.00

IEC Technical Specifications

NANOTECHNOLOGY STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS (TC 113)

IEC/TS 62607-4-5 Ed. 1.0 en:2017, Nanomanufacturing - Key control characteristics - Part 4-5: Cathode nanomaterials for nano-enabled electrical energy storage - Electrochemical characterization, 3-electrode cell method, $164.00

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 Accredited Standards Developers

Approval of Reaccreditation

ASC Z380 – Gas Piping Technology

ANSI's Executive Standards Council has approved the reaccreditation of Accredited Standards Committee Z380, Gas Piping Technology under its recently revised operating procedures for documenting consensus on ASC Z380-sponsored American National Standards, effective January 12, 2017. For additional information, please contact: Mike Bellman, Director, Operations and Engineering Services, American Gas Association, 400 N. Capitol St., NW, Washington, DC 20001, phone: 202-824-7183; e-mail: mbellman@aga.org.

Withdrawal of ASD Accreditation

ASC I14 – Window Cleaning Safety

The ANSI accreditation of Accredited Standards Committee I14, Window Cleaning Safety (with the International Window Cleaning Association serving as Secretariat) as a developer of American National Standards has been administratively withdrawn, effective November 30, 2016. ASC I14 currently maintains no American National Standards. For additional information, please contact: Mr. Mark Bennett, International Window Cleaning Association, 1100-H Brandywine Blvd., Zanesville, OH 43701-7303; phone: (614) 501-1100, x3187; e-mail: mbennett@offinger.com.

ANSI Accreditation Program for Third Party Product Certification Agencies

Request for Scope Extension

Curtis-Strauss, LLC

Comment Deadline: February 20, 2017

Mr. Tadas Stukas - Quality & HSE Manager
Curtis-Straus, LLC
One Distribution Center Circle, Suite #1
Littleton, MA 01460
Phone: 978-486-8880
Fax: 978-486-8828
E-mail: tadas.stukas@us.bureauveritas.com
Web: www.curtis-straus.com

On January 12, 2017, Curtis-Straus, LLC, an ANSI-accredited certification body, requested a scope extension to include the following:
CERTIFICATION SCHEME
EPA ENERGY STAR®
SCOPES OF ACCREDITATION
Heating & Cooling
    Connected Thermostat Products
Other
    Electric Vehicle Supply Products

Please send your comments by February 20, 2017 to Reinaldo Balbino Figueiredo, Senior Program Director, Product/Process/Services Accreditation Programs, 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 New Work Item Proposal

Guidelines on Integrating a Business Excellence Framework with ISO management system standards

Comment Deadline: March 3, 2017

SCC, the ISO member body for Canada, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines on Integrating a Business Excellence Framework with ISO management system standards, with the following scope statement:

> Organizations implementing single or multiple management systems and simultaneously the Business Excellence framework are faced with the major challenge of lack of alignment. This can be attributed to multiple factors, including but not limited to, organizational design/structure, responsibilities matrix, contextual understanding of the linkages/inter-dependencies, silo mentality and turf protection.
>
> "Guidelines on Integrating a Business Excellence Framework with ISO management system standards" will provide the roadmap on integrating the national/international business excellence frameworks with management system standards, for enhancing organizational efficiency, facilitating effective decision-making, and promoting transparency, innovation and continuous improvement.
>
> Scope will exclude the development of an ISO Business Excellence standard and/or development of ISO Management System standard/s. Instead it will focus on the integration aspects, available best practices, and provision of useful practical tips for better organizational 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, March 3, 2017.

International Electrotechnical Commission (IEC)

IEEE Advises Intent to Relinquish TAG Administrator Roles

IEEE has indicated its intent to relinquish all assigned TAG Administrator roles as of May 2017. New organizations must be identified to take over TAG administrator duties to ensure no disruption of US participation in the related IEC Technical Committees and Subcommittees.

Organizations with an interest in assuming the TAG Administrator role for any of the committees listed below should contact Tony Zertuche (tzertuche@ansi.org), USNC General Secretary, for further information.

- IEC/TC 9 – Electrical equipment and systems for railways
- TC 27 – Industrial electroheating and electromagnetic processing
- TC 38 – Instrument transformers
- TC 42 – High-voltage and high-current test techniques
- TC 45 – Nuclear instrumentation
- SC 45A – Instrumentation, control and electrical systems of nuclear facilities
- SC 45B – Radiation protection instrumentation
- TC 57 – Power systems management and associated information exchange
- TC 95 – Measuring relays and protection equipment
- TC 106 – Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure
- TC 115 – High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV

The USNC Technical Management Committee (TMC) will consider any expressions of interest received and will allocate the assignments as appropriate.

Meeting Notice

Green Building Initiative – GBI 01-201x

The 27th meeting of the Green Building Initiative – GBI 01-201x Consensus Body will be held via conference call and webinar:

Thursday, February 2, 2017 from 2:00 PM to 3:00 PM ET.

The purpose for these teleconferences to provide updates regarding the first and second comment periods on the Working Draft of 01-201X document and for questions/comments from the public.

The tentative agenda will be posted on the GBI webpage for the standard at: http://www.thegbi.org/ansi. All meetings are open to the public. Any member of the public or Subcommittee participant who would like to attend the meeting should contact the Secretariat, Maria Woodbury, preferably at least 10 days in advance of the meeting to ensure they are included in relevant communications in preparation for the meeting.

To attend, and for additional information, please contact:

Maria Woodbury
Secretariat for Green Building Initiative
207-807-8666 (direct)
Maria@thegbi.org

Information Concerning

2016 Summary of Final Complaint and Appeals Decisions re: American National Standards (ANS) Process (Updated)

Below is a summary of final appeals and complaint decisions issued in 2016. A prior listing was incomplete. Questions may be directed to psa@ansi.org.

ANSI Executive Standards Council (ExSC)

1. Joint appeal by Alcatel-Lucent, Ericsson, and Qualcomm of the ANSI ExSC's decision to reaccredit IEEE. Appeal denied.
2. Complaint filed by Ms. Stein with the ANSI Executive Standards Council (ExSC) of UL's status as an ANSI Accredited Standards Developer (ASD). Complaint denied.
3. Appeal by Corporate Cleaning Services, Inc. (CCS) of the accreditation of ASC I14 *Window Cleaning Safety* with the International Window Cleaning Association (IWCA) as secretariat, as a developer of American National Standards (ANS) granted. Accreditation withdrawn.

ANSI Board of Standards Review (BSR)

1. ANSI Board of Standards Review (BSR) hearing of the ANSI Appeals Board remand of *IICRC S600 Standard and Reference Guide for Professional Carpet Installation* as an American National Standard (ANS). Appeal denied.
2. Appeal filed by the Professional Ropes Course Association (PRCA) of the ANSI BSR's approval of *ACCT 03-2016 Challenge Course and Canopy/Zip Line Tour Standards* as an American National Standard (ANS). Appeal denied.

ANSI Appeals Board

1. Two appeals filed separately by (1) Alcatel-Lucent and Ericsson and (2) Qualcomm, with the ANSI Appeals Board of the ANSI Executive Standards Council's (ExSC) appeals decision to uphold its decision to reaccredit IEEE. Appeals dismissed.
2. Appeal filed by Shaw Industries with the ANSI Appeals Board of the ANSI Board of Standards Review's (BSR) decision upon remand, to reinstate the approval of *IICRC S600 Standard and Reference Guide for Professional Carpet Installation* as an American National Standard (ANS). Appeal dismissed.
3. Appeal filed with the ANSI Appeals Board of the ANSI Board of Standards Review's (BSR) decision to deny the Professional Ropes Course Association's (PRCA) appeal of the approval of *ACCT 03-2016 Challenge Course and Canopy/Zip Line Tour Standards* as an American National Standard (ANS). Appeal dismissed.
4. Appeal filed by Thermal Design with the ANSI Appeals Board of the ANSI Executive Standards Council's (ExSC) decision to dismiss its prior complaint regarding the approval by ASHRAE, an ANSI Audited Designator, of ASHRAE/IES 90.1 (Addendum ab) *Energy Standard for Buildings Except Low-Rise Residential Buildings* as an American National Standard (ANS). Appeal dismissed.

Public Review Draft

Proposed Addendum ba to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (January 2017)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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

FOREWORD

This addendum updates the broad reference in Section 8.3.1 to a wide range of requirements in both Standard 62.1 and Standard 170 to more narrowly cite the specific sections of those standards that are relevant to Standard 189.1. Also, since dwelling units were removed from the scope of ANSI/ASHRAE Standard 62.1 and added to the scope of Standard 62.2 in the 2016 versions of those standards, this addendum adds reference to ANSI/ASHRAE Standard 62.2-2016, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings, for ventilation requirements in residential dwelling units.

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

Addendum ba to 189.1-2014

Modify section 8.3 as follows

8.3.1 Indoor Air Quality. ~~The building~~ Buildings shall comply with the design requirements of Sections 4 through 6~~7~~ of ANSI/ASHRAE Standard 62.1, including applicable normative appendices, with the ~~following~~ modifications and additions indicated herein. Health care facilities shall comply with the design requirements of ANSI/ASHRAE/ ASHE Standard 170, including applicable normative appendices, with the modifications and additions indicated herein. *Residential dwelling units* shall comply with the design requirements of Sections 4 through 8 of ANSI/ASHRAE Standard 62.2, with the modifications and additions indicated herein.

~~When a requirement is~~ Requirements provided in Sections 8.3.1.1 through 8.3.1.7 ~~below, this~~ supersede~~s~~ ~~the~~ such requirements in ANSI/ASHRAE Standard 62.1, ~~or~~ ANSI/ASHRAE/ASHE 170, and ANSI/ASHRAE 62.2. ~~whichever is applicable to the building.~~

8.3.1.1 Minimum Ventilation Rates. In health care facilities, the ventilation requirements of

ANSI/ASHRAE/ASHE Standard 170 shall apply. In *residential dwelling units,* the *dwelling unit* ventilation rate and local exhaust airflow rates as required by ANSI/ASHRAE Standard 62.2 shall apply. Section 4.1.2 in ANSI/ASHRAE Standard 62.2 shall not apply. In all other cases, Sections 6.1.1 and 6.2 ~~The Ventilation Rate Procedure~~ of ANSI/ASHRAE Standard 62.1 shall be used to determine minimum zone and intake outdoor airflow rates. Sections 6.1.2 and 6.1.3 in ANSI/ASHRAE Standard 62.1 shall not apply. ~~In health care facilities, the *minimum outdoor airflow rates* required by ANSI/ASHRAE/ASHE Standard 170 shall apply.~~

Informative Note: Sections 6.1.1 and 6.2 of ANSI/ASHRAE Standard 62.1 define the Ventilation Rate Procedure for determining ventilation rates.

Add the following reference to Section 11, under ASHRAE:

ANSI/ASHRAE Standard 62.2-2016, Ventilation and Acceptable Indoor Air Quality in Residential Buildings 8.3.1, 8.3.1.1

Public Review Draft

Proposed Addendum v to Standard 189.1-2014

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

Second Public Review (January 2017)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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

FOREWORD

Addendum v was posted for public review in spring 2016. One public comment was submitted; the comment included both editorial and substantive revisions to the addendum. The revisions, shown below, include updating one of the referenced standards to the most recently published version: ASTM E2843-16a reflects changes that a) make it more compatible with legislative (code) text and b) add flexibility for designers and builders that aim to one section of its requirements. Other revisions in this ISC revise the text in section 5.3.1.1 to provide consistency with the definitions in Section 3.2 as well as the deletion of the word "site" in 5.3.1.1f.

Note to reviewers: This public review draft makes proposes independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes. Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes.

Addendum v to 189.1-2014

Relevant definitions in Section 3.2 (no revisions proposed):

***brownfield*:** a *site* documented as contaminated….(definition remains unchanged)

***greenfield*:** a *site* of which 20% or less….(definition remains unchanged)

***greyfield*:** a *site* of which more than 20%....(definition remains unchanged)

Modify Section 5.3.1.1 as follows:

5.3.1.1 Allowable *Sites.* The *building project* shall take place in or on one of the following:

a. An existing *building envelope*.
b. A *brownfield* ~~*site*~~.
c. A *greyfield* ~~*site*~~.
d. A *greenfield* ~~*site*~~ that is within 1/2 mi (800 m) of *residential* land that is developed, or that has one or more buildings under construction, with an average density of ten *dwelling units* per acre (4 units per ha) unless that *site* is *agricultural land* or *forest land*. Proximity is determined by drawing a circle with a 1/2 mi (800 m) radius around the center of the proposed *site*.
e. A ~~*Greenfield*~~ *greenfield* where the proposed building(s) complies with ASTM E2843~~-2015~~.
f. A *greenfield* ~~*site* that~~ where the proposed building(s) complies with ASTM E2844~~-15e1~~.
g. A ~~*Greenfield*~~*greenfield* ~~*site*~~ that is *agricultural land*, and the purpose of the proposed building(s) is related to the agricultural use of the land.
h. A ~~*Greenfield*~~*greenfield* ~~*site*~~ that is *forest land*, and the purpose of the proposed building(s) is related to the forestry use of the land.
i. A ~~*Greenfield*~~*greenfield* ~~*site*~~ that is *designated park land*, and the purpose of the proposed building(s) is related to the use of the land as a park.

Add to Chapter 11. Normative References:

ASTM E2843-~~2015~~-16a	Standard Specification for Demonstrating That a Building is in Walkable Proximity to Neighborhood Assets	5.3.1.1
ASTM E2844-15e1	Standard Specification for Demonstrating That a Building's Location Provides Access to Public Transit	5.3.1.1

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF/ANSI International Standard for Biosafety Cabinetry —

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

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5 Design and construction

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5.4 Canopy exhaust connection

~~Type A1, A2 and C1 cabinets are connected to an exhaust system via a canopy connection; direct connections are not acceptable~~ If type A1, A2 and C1 cabinets are connected to an exhaust system, it shall only be done so via a canopy connection; direct connections are not acceptable. They are exhausted with the assistance of a remote fan to the atmosphere. In normal operation, the volume of room air drawn into the canopy connection's openings or gaps shall be sufficient to ensure the capture of all of the BSC's HEPA-filtered exhaust, as verified by a visible medium. The flow of room air into the canopy connection through openings and/or gaps provides assurance of consistent BSC performance during fluctuations in exhaust system flow rate and/or room pressure.

For Types A1, A2 and C1 with a canopy connection, during an exhaust system failure:

- The canopy shall provide properly sized openings or gaps to allow for recirculation of HEPA-filtered exhaust into the room,

- The BSC shall maintain an inflow velocity above the lowest value verified by the NSF/ANSI 49 biological challenge testing, and

Alternatively, the Type C1 canopy can direct the HEPA-filtered exhaust into the exhaust duct during an exhaust system failure provided:

- The BSC shall maintain an inflow velocity above the lowest value verified by the NSF/ANSI 49 biological challenge testing, if the unit is programmed to operate longer than 15 s after an exhaust system failure.

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***Rationale**: the currently written language can be interpreted to say that these types of BSCs "Must" be connected to an exhaust system. During the previous revision ballot one member pointed out correctly that the intent of the language is not to suggest a "Must", but rather WHEN this particular instance occurs, it then MUST be handled in a specific manner. This change in language reflects that intent.*

NSF/ANSI 50-2016
Equipment for Swimming Pools, Spas, Hot Tubs and other Recreational Water Facilities

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19.2 Testing

WQTD units selected for testing shall be from at least 2 different batches or manufacturing runs. Each lot submitted for initial testing shall have a minimum of 50% shelf life remaining at the start of the testing. Products are conditioned and/or calibrated as appropriate per the manufacturer's instructions then exposed and tested per Annex O requirements to various test solutions to evaluate their accuracy, repeatability, reproducibility, and shelf life, within specified use ranges.

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19.2.6 Shelf Life

The shelf life for the reagents and components of a WQTD shall be at least as long as specified by the manufacturer when the reagents and components are tested in accordance with Annex O, section O.14.

When tested with reagents and components stored for the manufacturer specified shelf life (+- 2 weeks), the accuracy, and repeatability~~, and reproducibility~~ of the WQTD shall ~~be within 10% of the initial accuracy, repeatability, and reproducibility~~ meet the requirements of Annex O. ~~For test strip/comparators the result shall be within the limits stated in Annex O.~~

After initial testing of the WQTD, it shall be stored in accordance with the manufacturer's instructions and retested ~~after~~ at the manufacturer's prescribed shelf life (+- 2 weeks) for compliance to these requirements in 19 and Annex O.

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O.14 Shelf life testing

To verify shelf life, open or use product as required for the above testing. Upon completion of use of product close/seal/turn off, and store in accordance with manufacturer's instructions or store at 50% relative humidity at 73 ± 8 °F (23 ± 4 °C) for the duration of the shelf life. ~~After the shelf life time has elapsed~~ Within a range of 2 weeks (+-) of the expiration date/shelf life claim, open/turn on etc. and conduct testing with the product for the appropriate product types or parameters. If product does not comply, the manufacturer shall revise shelf life claims, storage conditions, etc. as appropriate.

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. ONLY the highlighted text and ~~strikeout~~ text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]

NSF International Standard/American National Standard

Supplemental flooring

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2 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

~~21 C.F.R. Part 131, *Milk and Cream (Food and Drug)*[1]~~

ASTM D256 2010. *Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics*[2]

ASTM D412-~~06ae2~~ 15. *Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension*[2]

ASTM D624-00~~.~~(~~2007~~ 2012). *Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers*[2]

ASTM D638-~~10~~ 14. *Standard Test Method for Tensile Properties of Plastics*[2]

ASTM D792-~~08~~ 13. *Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement*[2]

ASTM G21-~~2009~~ 15. *Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi*[2]

IEEE/ASTM SI 10 – 2010. *American National Standard for Metric Practice*[2]

NSF/ANSI 2. *Food equipment*

NSF/ANSI 170. *Glossary of food equipment terminology*

Rationale: *Normative reference updates. Reference to 21 C.F.R. was erroneously and accidentally added to the 2012 publication of Standard 52 and will be removed.*

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[1] ~~U. S. Government Printing Office, Washington, DC 20402 <www.gpo.gov>.~~

[2] ASTM International, 100 Barr Harbor Dr., West Conshohocken, PA 19428 <www.astm.org>.

BSR/SAIA A92.20-201X

Establishing DESIGN, CALCULATIONS, SAFETY REQUIREMENTS and TEST METHODS for MOBILE ELEVATING WORK PLATFORMS (MEWPs)

3 Definitions

Broker: An ~~independent business~~ entity ~~or person~~ that arranges a lease or transfer of ownership of the MEWP, but does not own the MEWP. If the entity is an employee of the buyer, seller, lessor or lessee of the equipment, this entity or person is not considered a broker.

NOTE ~~If the entity or person is an employee of the buyer, seller, lessor or lessee of the equipment, this entity or person is not considered a broker.~~ A manufacturer, dealer, owner, user, operator, lessor, or lessee is considered to be and assumes the responsibilities of a broker when that entity is acting in the capacity of this definition.

Care: To provide what is both necessary and required for the health, welfare, maintenance, and protection of personnel and the MEWP.

Control: By virtue of possession through custody, as defined in this standard, the required use of power, influence, and authority to behave and/or to direct the behavior of those who are involved in the application, use, inspection, maintenance of an MEWP, and compliance with all applicable provisions of this standard.

Control(s): A device actuated by an operator to affect a response from the MEWP.

Note: Examples of controls include interlocks, MEWP controls or powered functions.

Custody: Possession by ownership, purchase, acquisition, rental, lease, or other means of transfer which requires the exercise of care and control, as defined in this standard, for the health, welfare, maintenance, and protection of personnel and the MEWP.

Dealer: An ~~person or~~ entity who buys, rents or leases from a manufacturer or distributor and who generally sells, rents and services MEWPs.

Note: A manufacturer, owner, user, operator, lessor, lessee, or broker is considered to be and assumes the responsibilities of a dealer when that entity is acting in the capacity of this definition.

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Entity: An individual or company that has its own set of responsibilities pertaining to MEWP design, safe-use and training, and may include manufacturers, dealers, owners, users, supervisors, operators, occupants, lessors, lessees, and brokers.

Familiarization: Providing the necessary information regarding the features, functions, devices, limitations, and operating characteristics as defined by the manufacturer in the operator's manual, in order to properly utilize a specific model MEWP, to include the location of the manufacturer's operation manuals.~~Providing the necessary information to a qualified person or trained operator regarding the features, functions, devices, limitations and operating characteristics in order to properly utilize a specific model of equipment, to include the manufacturer's operation manual and current ANSI A92 manual of responsibility.~~

Lessee: An ~~person(s) or~~ entity to whom a MEWP is provided by lease, rental, loan or other arrangement.

Note: A manufacturer, dealer, owner, user, operator, lessor, or broker is considered to be and assumes the responsibilities of a lessee when that entity is acting in the capacity of this definition. ~~A lessee may also be a dealer, owner, user or operator.~~

Lessor: An ~~person(s) or~~ entity who leases, rents, loans or otherwise provides a MEWP to another party for the beneficial use of that party (the user).

Note: A manufacturer, dealer, owner, user, operator, lessee, or broker is considered to be and assumes the responsibilities of a lessor when that entity is acting in the capacity of this definition. ~~A lessor may also be a dealer, owner, lessee, user or operator.~~

Manual of responsibilities: A document containing definitions and requirements mandated in applicable A92 Standards for the following entities: Manufacturers, Dealers ; Owners ; Users; Supervisors; Operators; Occupants; Lessors; Lessees, and Brokers. ~~A document containing definitions and requirements mandated in applicable A92 Standards for the following entities: Dealers, Owners, Users, Supervisors, Operators, Occupants, Lessors, Lessees and Brokers.~~

Manufacturer: An ~~person or~~ entity who makes, builds, or produces a MEWP.

Note: A dealer, owner, user, operator, lessor, lessee or broker is considered to be and assumes the responsibilities of a manufacturer when that entity is acting in the capacity of this definition.

Occupant: ~~Any person~~ An entity on the work platform.

Operator: An entity ~~authorized person~~ qualified to control the movement of a MEWP.

Note: A manufacturer, dealer, owner, user, lessor, lessee or broker is considered to be and assumes the responsibilities of an operator when that entity is acting in the capacity of this definition.

Owner: An ~~person or~~ entity who has possession of equipment by virtue of purchase or legal possession of equipment.

Note: A manufacturer, dealer, user, operator, lessor, lessee or broker is considered to be and assumes the responsibilities of an owner when that entity is acting in the capacity of this definition.

Supervisor: ~~Person~~ An entity assigned by the user to monitor operator performance and supervise their work.

User: An ~~person or~~ entity that has care, custody and control of the MEWP.

Note: A manufacturer, dealer, owner, operator, lessor, lessee or broker is considered to be the user and assumes the responsibilities of a user when that entity is acting in the capacity of this definition.

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~~NOTE This person or entity may also be the employer of the operator, a dealer, owner, lessor, lessee, broker or the operator~~.

4.2.4 Structural calculations

4.2.4.1 General

4.2.4.1.1 The calculations shall conform with the laws and principles of applied mechanics and strength of materials. If special formulas are used, the sources shall be stated; otherwise, the formulas shall be developed from first principles, so that their validity can be checked.

4.2.4.1.2 Requirements stated in 4.2.2 and 4.2.3.5.6 shall be considered for the determination of loads and forces to be used in the calculations.

4.2.4.1.3 For MEWPs that follow the enhanced methods to avoid exceeding permissible stresses defined in 4.4.1, the rated load shall be multiplied by a factor of 1.2 with the increased mass applied to the mass of tools and materials.

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4.2.4.1.~~3~~4 Except where otherwise stated, the individual loads and forces shall be taken to act in the positions, directions and combinations that produce the least favorable conditions

4.6.3 Guardrail (protection) systems

4.6.3.1 Protection shall be provided on all sides of each work platform that is intended to prevent the fall of persons and materials. The protection shall be securely fastened to the work platform and shall, as a minimum, consist of guardrails at least 1.1~~0~~ m (~~3.28 ft~~43.3 in) high, toeguards at least 0.1 m (0.33 ft) high and intermediate guardrails not further than 0.55 m (1.80 ft) from either the guardrails or the toeguards.

4.6.3.5 Each top rail, midrail or equivalent vertical barrier shall withstand a concentrated test load of 1340 N (300 lbf) applied at the least favorable positions and in the least favorable direction without reaching ultimate strength.

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4.6.3.~~6~~5 Folding guardrails satisfy this requirement provided that they remain securely fastened to the work platform and are equipped with locking pins secured against unintentional disengagement and loss, or an equally effective locking means.

4.6.10 Trapdoors

Trapdoors in work platforms shall be securely fastened to the work platform designed to prevent inadvertent opening. It shall not be possible for trapdoors to open downward or to slide sideward. Verification shall be carried out by visual examination.

~~**4.6.11 Protecting controls and hands**~~

~~The hand(s) operating the controls shall be protected. Verification shall be carried out by visual examination.~~

4.7.2 Direction of movement

Upper controls in their normal position~~,~~ of operation,~~controls~~ should be arranged, such that their direction of operation approximates the corresponding machine motion. The direction of all movements of the MEWP shall be clearly indicated on or near the controls by words or symbols in accordance with ISO 20381. Verification shall be carried out by means of visual examination and functional testing.

6.1 General

The manufacturer shall provide, at the time of delivery, operation manuals to include at a minimum an operator's manual, and a manual of responsibilities located on the MEWP in a weather resistant storage location.

C.1.4 Potential energy, E_{pot}, necessary for tipping:

$$E_{pot} = m \cdot g \cdot x = m \cdot g \cdot (y - s)$$

~~$= m \left(\sqrt{s^2 + a^2} - s \right) g$~~

$$= m \cdot \left(\sqrt{s^2 + a^2} - s \right) g$$

$$= m \times 0{,}6$$

where g is the acceleration due to gravity (9.81 m/s).

BSR/UL 62093, Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments

1. Revisions to the First Edition of the UL IEC-Based Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments, UL 62093.

5.1 General

The documentation shall contain the following information (if relevant):

− compliance with relevant standards (this is especially important with respect to European Directives and the related CE marking);

− installation and disconnection instructions;

− operating instructions;

− service use of the component (see 6.1);

− technical data (circuit diagram and technical specifications);

− troubleshooting instructions;

− safety warnings and instructions;

− information on spare parts;

− warranty;

− instructions for decommissioning and disposal.

In particular, the documentation shall indicate (if relevant):

a) Conditions of surroundings

1) Range of operating temperature

2) Range of storage temperature

3) Maximum relative humidity

b) Physical properties of the component

1) Dimensions of the enclosure

2) Weight

3) Properties of the enclosure (material)

4) Fasteners

5) Protection class (IP and IK Code)

6) Connecting terminals

7) Cables (inlet, pull relief, cross-sections)

8) Spare parts

c) Electrical properties of the component

1) For charge controllers

− Listing of incompatible and compatible battery types

− Nominal voltage of input and output (V)

− Maximum module current (A)

− Maximum load current (A)

− Type of controller (series controller, shunt controller, etc.)

− Working principle (PWM, two-point-regulation, state of charge algorithm, etc.)

− All used thresholds (V)

− Temperature compensation for the thresholds (mV/°C/cell)

− Quiescent current

− Curve indicating input and output power/current vs. ambient temperature

− Power consumption to be measured during operation immediately after deep discharge disconnection

− Power consumption during operation at nominal voltage

− Overload protection

− Reverse-polarity protection

− Definition of the allowable voltage area at the input and at the output side

− Warning before load disconnect

− Definition of the output behaviour in the case of no battery connection

− Delayed load disconnection

− Displays (LEDs, display, accuracy)

− Additional functions (MPP tracking, etc.)

− Maximum AC ripple on the battery charging current

NOTE If the negative terminal of the battery, module and load cannot be linked together, this must be clearly stated and the behaviour in such a case must be defined.

2) For batteries

− Type of battery: NiCd, lead-acid, vented (flooded), valve-regulated, gas-tight sealed (NiCd only), tubular plate, flat plate, etc.

− Nominal voltage

− Specific gravity of the electrolyte

− Capacity expressed in C_{120}, C_{20}, C_{10}, C_5

− Charge retention expressed as a percentage: monthly self-discharge/nominal capacity

− Endurance in cycles, measured according to IEC 61427

− Charging efficiency (see IEC 61427)

− Instructions for starting up (the manufacturer must advise if there are special considerations for the initial charging with only the solar generator available as the power source), maintenance, and safety.

− Transportation restrictions

3) For inverters

− Maximum input current (A)

− Maximum output current (A)

− Nominal input voltage and range (V)

− Nominal output voltage and range (V)

− Absolute maximum solar voltage (V_{oc})

− Number of phases

− Frequency (Hz)

− Output voltage: sine wave, square wave or modified square wave, etc.

− Galvanic separation

− Overload capability curve

− Curve indicating output power at nominal input voltage vs. ambient temperature

− Curve indicating maximum output power at nominal input voltage vs. ambient air-pressure (may be expressed in height of installation above sea-level)

− Maximum ambient temperature

− Type of load allowed, for example maximum cos(phi), regenerative loads

− Earthing requirements

− For standalone inverters: power consumption to be measured during operation immediately after deep discharge disconnection and in standby-mode (there may be several standby modes, e.g. sleep-mode, no-load mode, etc.)

− Power consumption in standby-mode (there may be several standby modes, e.g. sleep-mode, low-solar-input-mode, etc.)

− Efficiency curve according to IEC 61683

− Fuse required on the AC-side of the inverter: size and class

− If applicable, recommended fuse on the DC-side of the inverter, size and class

− Definition of the behaviour of the inverter during an overload situation and overload protection

− Reverse-polarity protection on the DC-side

− Warning before load disconnect, if relevant

− Delayed load disconnection, if relevant

− Displays (LED's, display, accuracy)

− Additional functions (MPP tracking, etc.)

− Total harmonic output distortion on a linear load at nominal conditions

− Total harmonic output voltage distortion on non-linear loads at nominal conditions with a crest factor of 2,5 %

− List of generic appliances, known to be incompatible with the inverter

All data shall be verified in the course of the following test sequences. Data, which are missing or do not conform to the indications of the manufacturer, shall be conscientiously recorded.

5.1DV D2 Modification in accordance with the following additions and replacements:

Add the following after the first 10 dashes " − preventative maintenance requirements and recommendations"

For part (3) inverters, replace the 20th dash with " − If applicable, fuse(s) on the DC-side of the inverter, size and class".

For part (3) inverters, add the following 2 dashes " − If applicable, inverter GFD fuse: size and class" and " − Overcurrent protection device (OCPD)"

8 Major visual defects

For the purposes of design qualification, the following are considered to be major visual defects:

a) broken, cracked, bent, misaligned or torn external surfaces;

b) corrosion of any part of the component, inside or outside;

c) dust, water or fungus intrusion into the electrically active interior of the component;

d) loss of mechanical integrity, to the extent that the installation and/or operation of the component would be impaired.

8DV D2 Modification of item (b) by replacing it with the following:

b) corrosion or discoloration of any part of the component, inside or outside;

11 Test procedures

11.1 Visual inspection

11.1.1 Purpose

The purpose of this test is to detect any visual defects in the component.

11.1.2 Procedure

Carefully inspect each component for the following conditions:

- broken, cracked, bent, misaligned or torn external surfaces;

- faulty interconnections or joints;

- visible corrosion of any part of the active circuit;

- visible corrosion of output connections, interconnections and bus bars;

- visible corrosion of the enclosure surface;

- cracked or damaged wire or cable;

- faulty terminals, exposed energised electrical parts;

- any other conditions which may affect functioning, performance or safety.

Make note of and/or photograph the nature and position of any defects which may worsen and adversely affect the component functioning in subsequent tests.

11.1.2DV D2 Modification by adding the following before the last dash:

- visible discoloration indicating arcing has occurred;

11.1.3 Requirements

Visual conditions other than the major visual defects listed in Clause 8 are acceptable for the purpose of design qualification.

11.5 Outdoor exposure test

11.5.3 Procedure

The procedure is as follows.

a) Open-circuit the component and mount it outdoors, as recommended by the manufacturer, co-planar with the irradiation monitor. Any protective devices recommended by the manufacturer shall be installed before the component is tested.

b) Subject the component to an irradiation totalling 60 $kWh \cdot m^{-2}$, as measured by the monitor, under conditions conforming to general open-air climates defined in IEC 60721-2-1.

11.5.3DV D2 Modification by adding the following new (a) and renumbering accordingly:

a) The outdoor exposure test should be performed under load and not in the open-circuit state.

BSR/UL 96
Standard for Safety for Lightning Protection Components

1. Conductive Coatings Used as a Bimetallic Separator

12 Bimetallic Connectors

12.3 When a Chromate conductive coating is used it shall be an ASTM specification B633 Service Condition SC3 with a minimum thickness of 12um, 0.000472 inches.

12.4 Chromate conductive coating shall be subjected to the tests in the Standard Practice for Testing Chromate Coatings on Zinc and Cadmium Surfaces, ASTM B201. The test duration shall be 96 hours, as specified in ASTM B633, with no appearance of white rust.

2. Air Terminal Tip Geometry

5.2.1 AIR TERMINAL TIP, BLUNT - An air terminal tip which has a radius of curvature that is approximately equal to or greater than the radius of the cylindrical rod and is free of sharp edges.

5.2.2 AIR TERMINAL TIP, SHARP - An air terminal tip, which has a radius of curvature that is significantly smaller than the radius of the cylindrical rod.

20.5 The air terminal tip shall be blunt.

24.4 If installed on structures more than 75 ft in height, the air terminal tip shall be blunt.

3. Requirements for Insulation Used on Conductors

10 Conductors

10.4 Insulation used on conductors shall comply with the Vertical Flame test specified in the Standard for Wire and Cable Test Methods, UL 2556.

4. Requirements for Coatings on Air Terminals

7 Air Terminals

7.9 Non- metallic coatings on air terminals shall be applied below the top 10 inches. Coatings shall not be applied on the threads connecting the air terminal to the mounting base.

5. Markings for Lightning Protection Components

31 General

31.1 Lightning protection components shall be marked, where it will be plainly visible after installation, with the manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product is identified and as specified for the specific product type in 31.2 - 31.11..

~~*Exception: Clips and fasteners may be provided with markings on the smallest unit packaging.*~~

31.2 ~~Bimetallic connectors shall be marked "Bimetallic", "Bimetal" or "BM" on the connector.~~ A connector fitting shall be marked with the following:

a) A distinctive model or catalog number,

b) The conductor size(AWG or mm^2) or ranges of sizes, conductor material, Copper, "CU" or Aluminum, "AL" and Class suitability: I, II, III,

c) Torque value in N•m or lb-in,

d) Conductor type: "Solid" or "Stranded" or with both markings as applicable, abbreviated "Sol" and "Str",

e) Bimetallic connectors shall be marked "Bimetallic", "Bimetal" or "BM" on the connector.

31.3 ~~If a manufacturer produces or assembles lightning protection components at more than one factory, each piece shall have a distinctive marking by which it is identified as the product of a particular factory.~~ In lieu of the markings in 31.2 (a), (b), (c) and (d), the unit container containing connectors or an information sheet packed in the unit container shall be provide with these markings.

31.4 A procedure that must be followed for proper assembly of a wire connector to a conductor shall be provided as follows:

a) USE OF A SPECIFIC TOOL REQUIRED - If a connector is intended to be assembled to a conductor(s) by a specific tool, the tool designation or the designation of a removable tool part, such as a pressing die, shall be marked on the connector, or on or within the unit container in which the connector is packed. The marking shall be by at least one of the following means:

1) Catalog or type designation;

2) Color coding;

3) Die index number; or

4) Other equivalent means.

b) MULTIPLE CRIMPING OPERATIONS - Information shall appear either:

1) On the unit container in which the connector is packed;

2) On the tool or pressing die that must be used for its application;

3) On the carrying case provided for permanent storage of the tool and dies; or

4) On the connector.

NOTE - Location of the crimping points only, without additional instructions, may be marked on the connector if the additional required information is located as indicated in item (1), (2) or (3) above.

31.5 Conductors shall be provided with Markings on a Tag, Reel, or Carton and include the following:

a) Distinctive model or catalog number,

b) Conductor material, Copper,"CU" or Aluminum, "AL", conductor size (AWG, mm^2),

c) Class suitability: Class I, Class II, Class III or Secondary.

31.6 Air Terminals shall be marked as follows:

a) Distinctive model or catalog number,

b) Class I, II, III.

31.7 The marking in 31.6 (a) and (b) may be provided on the unit container.

31.8 Clips and fasteners may be provided with the manufacturer's name or trademark and model or catalog number on the smallest unit packaging.

31.9 Bonding plates shall be marked as follows:

a) Distinctive model or catalog number,

b) Class I, II, III or secondary.

31.10 The marking in 31.9 (a) and (b) may be provided on the smallest unit container.

31.11 If a manufacturer produces or assembles lightning protection components at more than one factory, each piece shall have a distinctive marking by which it is identified as the product of a particular factory.

31.12 The date or other dating period of manufacture, not exceeding any three consecutive months, may be abbreviated or in a nationally accepted conventional code, or in a code affirmed by the manufacturer.

BSR/UL 507, Standard for Electric Fans

1. Revision To Table 14.1 To Address Portable Fan Cord Length When A Specific Cord Type Is Used.

PROPOSAL

Table 14.1

Cords for appliances

Appliance	Type of cord[a]	Length, m (ft)
1. Fan not intended to rest directly on floor when in use. For example, a bracket fan, window only fan, or portable wall fan mounted with keyhole slots.	SPT- 2-R, HPN-R, SVT-R, SJT-R. The cord shall comply with the Standard for Flexible Cords and Cables, UL 62	1.5 - 3 (5 - 10)
2. Fan that rests directly on floor when in use, except for the type of fan indicated in item 3, 6, or 7. For example, a desk fan or box fan.	SPT-2-R, HPN-R, SVT-R, SJT-R. The cord shall comply with the Standard for Flexible Cords and Cables, UL 62	1.5 - 3 (5 - 10)
3. Fan intended for commercial or industrial use, except for the type of fan indicated in item 7. For example, a commercial air filtering appliance.	SJ, SJT, SJO, SJTO, or any hard service cord or junior hard service cord in accordance with Table 400.4 of the National Electrical Code, ANSI/NFPA 70	1.5 - 7.6 (5 - 25)
4. Portable or window-type evaporative household cooler and household air filtering appliances.	SP-2, SPT-2, or of a type equally serviceable for the application[a]	1.5 - 3 (5 - 10)
5. Commercial, industrial, or agricultural fan mounted as specified in Exception No. 3 of 13.1.2.	SJ, SJT, SJO, SJTO, or any hard service cord or junior hard service cord in accordance with Table 400.4 of the National Electrical Code, ANSI/NFPA 70	0.5 - 3.7 (1.5 - 12)
6. Portable fan employing a general use convenience receptacle, or evaporative cooler with or without a general use convenience receptacle.	SJ, SJE, SJO, SJT, SJTO or equivalent	0.5 - 7.6 (1.5 - 25)
7. Dryer type fan and commercial display blower except as noted in Item 8.	SJ, SJT, SJO, SJTO, or any hard service cord or junior hard service cord in accordance with Table 400.4 of the National Electrical Code, ANSI/NFPA 70	1.5 - 30.5 (5 - 100)
8. Dryer type fan and commercial display blower provided with a "stubby cord" for use with an extension cord.	SJ, SJT, SJO, SJTO, or any hard service cord or junior hard service cord in accordance with Table 400.4 of the National Electrical Code, ANSI/NFPA 70	0.203 - 0.457 (0.67 - 1.5)

[a] An SVT cord type is considered equally serviceable to SPT-2.

2. Proposal for Button Battery Requirements to be Included in UL 507, Reference to Horizontal Standard, UL 4200A.

PROPOSAL

30A Button or Coin Cell Batteries of Lithium Technologies

30A.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 No. 1: This requirement is 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.

Exception No. 2: This requirement is not applicable to appliances and accessories where the battery compartment would be located at least 2.1 m (7 foot) above the floor when the fan is installed as intended.

179.1 Battery powered fans shall comply with the applicable requirements (see Section 6.1, 6.3, 8, 10, 11, 16, 24, 26, 30, 30A, 44A, 46, 48, 49, 53 and Paragraphs 6.4.1, 21.6, and 22.1) in Part 1 of the Standard and the requirements in this Section. The requirements in this Section supplement and, in some cases, modify the general requirements in Part 1 of the Standard. These requirements apply only to those fans provided with or intended for use with rechargeable batteries.

3. Instruction requirement for Lasers used in Fan products

PROPOSAL

30B Lasers

30B.1 A product employing a laser shall comply with the Code of Federal Regulations (CFR), Title 21, Part 1040.

30B.2 With reference to 30B.1, compliance of laser products with the Code of Federal Regulations (CFR), Title 21, Part 1040, shall be determined by:

a) Determining the Class of the laser product and the Class of the radiation emitted by the laser product (as defined in the CFR) from the manufacturer's Center for Devices and Radiological Health (CDRH) product report;

b) Verifying that the manufacturer's markings and labels having the information specified in the CFR are affixed on the laser product (as defined in the CFR);

c) Determining that the corresponding construction features, such as protective housing, interlocks, and similar features, are provided in accordance with the CFR;

d) Determining that the resulting construction complies with the construction requirements of this standard; and

e) Verifying that the manufacture's safety instructions required by the CFR are provided with the laser product (as defined in the CFR).

4. Moving Parts of Down-draft Fans

PROPOSAL

146.4 Accessibility of moving parts

146.4.1 The housing of a down-draft fan which is designed to open on activation and close on deactivation shall comply with the requirements in 8.2.1. Compliance with 146.2 fulfills this requirement for the raising and lowering function of a down-draft intake system.

146.4.2 Automatically operated moving parts of a down-draft system shall reduce the risk of entrapment or injury. The moving part of a down-draft fan which is designed to open/raise on activation and close/lower on deactivation shall comply with the test requirement in 147.4, unless operated only via a biased-off switch.

147.4 Moving Parts

147.4.1 The down-draft is supplied at rated voltage and it is operated to open and close the driven part. The driven part shall:

a) decelerate to a speed lower than 15 mm/s in the last 50 mm of the movement, as it approaches any position in which entrapment may occur; or

b) when the probe illustrated in Figure 8.2 is placed at any potential entrapment point across the width and height of the opening;

1) stop and reverse direction before contacting the probe; or

2) if the probe is touched by the driven part, the part shall not exert a force exceeding a value of 100 N.

147.4.2 If compliance with 147.4.1 a) or b) relies on the operation of an electronic circuit:

a) the electronic circuit shall comply with the Standard for Tests for Safety-Related Controls Employing Solid-State Devices, UL 991; or

b) the circuit providing the required safety functionality shall be additionally evaluated as a protective control in accordance with the Standard for Automatic Electric Controls for Household and Similar Use, Part 1: General Requirements, UL 60730-1.

BSR/UL 558, Standard for Industrial Trucks, Internal Combustion Engine-Powered

1. Revision to the clearance requirements for fuel lines and exhaust- and electrical-system parts

PROPOSAL

11.2A.2.6 A fuel line shall be supported to reduce the likelihood of chafing and to maintain at least a 2-inch (50.8-mm) clearance from exhaust- and electrical-system parts.

Exception: If it can be demonstrated that the fuel lines and wiring are sufficiently supported to prevent the clearance from being reduced to less than 1/2 inch (12.7 mm), the clearance between fuel lines and electrical-system parts may be reduced.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

Change to temperature requirements of Submersion Test

44.2 During conditioning, the pump is to be cycled on and off continuously for 30 days in water at ~~23 - 27°C~~ 18°C ~~- maximum rated temperature of the pump~~ 30°C ~~(74 - 84°F)~~ (64°F ~~- maximum rated water temperature to the pump~~ 86°F). The on time is to be long enough for the motor windings to attain a temperature of at least 80 percent of the value measured during the temperature test, and the off cycle is to be long enough for the windings to cool to 30°C (86°F) or less. The pump is to be operated at maximum normal load as described in 40.2.1, and is to be submerged so that the top of the pump is at least 12 inches (305 mm) below the surface of the water.

BSR/UL 924, Standard for Safety for Emergency Lighting and Power Equipment

1. Addition of a definition and requirements for directly controlled luminaires

73.1.45 A directly controlled luminaire whose emergency operation ~~is dependent on receiving a specific~~ responds to a control signal input more specific than zero (no input) or non-zero (any input) shall identify the control signal generating device(s) with which it has been found suitable. This shall be accomplished with a marking, such as “For use only with _____” (where the blank is to include the manufacturer and model number(s) of the qualified equipment) or “See www.xxx.com for compatible control equipment”. The marking shall be permanent and visible after installation, per 73.1.2 and 73.1.3.

SG3.3 The installation instructions for a luminaire whose light output under emergency operating conditions can be set~~, at the factory or in the field,~~ at less than full illumination shall include guidance for setting the appropriate output level and the need to perform illumination measurements after installation to validate compliance with the applicable code requirements.

3. Clarification of battery standard references and compliance

22.2 A battery shall be of the rechargeable (secondary) type and shall include a protective housing (casing) that allows it to be handled without risk of damage to the cells contained within.

~~*Exception: Lithium ion batteries shall comply with the same tests of the Standard for Lithium Batteries, UL 1642.*~~

4. Separate shipment of batteries

73.1.20 Equipment incorporating or intended to incorporate batteries shall be marked "CAUTION: Install only (blank) battery." The blank is to be filled in with the battery manufacturer (or equivalent) identification and the battery catalog designation. This information is to be in a location visible during battery replacement. Markings that appear only on the battery are not considered in compliance with this marking requirement.

Exception No. 1: This marking is not required if unit is marked in accordance with 73.1.14.

Exception No. 2: The marking is permitted to additionally~~, or alternatively,~~ state “See (specific URL inserted here) for other eligible ~~battery types~~ batteries" or alternatively state “CAUTION: Install only batteries identified at (specific URL inserted here)". The manufacturer shall maintain this website without restrictions (such as password or registration requirements).

6. Adjustment of the emergency luminaire and battery pack maximum mounting height identification

SG3.2 The installation instructions for a luminaire tested at a mounting height of 7.17 feet (2.2 m) or greater per SG2.2, shall specify the maximum mounting height based on the height of the lowest portion of the luminaire during the test of SG2.2 and the calculation below. For luminaires eligible to use different lamps, optical elements, or power sources (i.e., emergency battery packs), the instructions are permitted to include a table or similar means to correlate the various available configurations with the applicable maximum mounting height. This information is permitted to be on a manufacturer-controlled website when the website address is included in the installation instructions, with text such as “For mounting height information for different luminaire configurations, see abc.com/lamps”. The manufacturer shall maintain this website without restrictions (such as password or registration requirements).

$$\textbf{Maximum mounting height} = H_t\,(fc_t)^{1/2}$$

in which

H_t *is the luminaire test height, in feet, and*

fc_t is the average of the two illuminance measurements on the ground, in foot-candles, at the test height.

9. Clarifications for minimum light output (Supplement SG)

SG2.3 A luminaire powered by an integral battery shall be tested using an external power supply set at the DC voltage level measured one minute into the Battery Discharge Test, Section 48. A luminaire powered by an external supply is to be operated at rated input voltage. Incandescent luminaires shall be new, LED luminaires shall be conditioned for minimum 3 hours, and all other luminaires shall be conditioned for 100 hours prior to testing.

BSR/UL 943B, Standard for Safety for Appliance Leakage-Current Interrupters

1. Addition of Auto-Monitoring Requirements

PROPOSAL

19A Auto-Monitoring Function

19A.1 In addition to the Supervisory Circuit specified in Section 19, a resettable appliance leakage-current interrupter (ALCI) shall be provided with an auto-monitoring function that will allow for periodic, automatic testing of the ability of the device to respond to a ground fault. This testing shall be done without opening the circuit interrupter contacts.

19A.2 The auto-monitoring function shall perform the automatic test each time power becomes available to the line terminals. The automatic test shall be initiated within five seconds of power applied to the line terminals. The automatic test shall be repeated at least every 15 minutes.

19A.3 The auto-monitoring function shall not compromise the ability of the ALCI to respond to a ground fault. Compliance is determined by the requirements in Auto-Monitoring Function Test, Section 41A.

19A.4 The consequence of the auto-monitoring test detection of a problem shall be one of the following:

a) Power denial (trip with the inability to reset). Power denial shall occur within five seconds of an auto monitoring cycle failure.

b) Power denial with the ability to reset, subject to an auto-monitoring test cycle within five seconds of the reset. Power denial shall occur within five seconds of an auto monitoring cycle failure.

41A Auto-Monitoring Function Test

41A.1 The auto-monitoring function shall comply with the requirements of Auto-Monitoring Function, Section 19A.

41A.2 In order to determine compliance with the provisions of Auto-Monitoring Function, Section 19A, separate representative devices shall be modified to represent those single component failure modes that can cause the ALCI to become unable to respond to a ground fault per this standard. Welded power contacts need not be considered. Each representative device shall be altered with a single modification that represents either an open or a shorted component as described in the following:

a) Open circuit or short circuit the ground fault sensing component (transformer).

b) Alter the integrated circuit responsible for the ground fault detection by one of the following modifications if appropriate per the application circuit:

1) Disconnect the power supply pin of the IC;

2) Disable the “clock” circuit or “phase zero cross” pin of the IC;

3) Open the ground fault sensing signal path at the subject IC pin;

4) Short the ground fault sensing signal path pin to one of the adjacent pins one at a time.

c) Open circuit the current limiter (for example, dropping resistor) of the power supply of the ground fault detection circuit.

d) Short circuit the switching semiconductor supplying the trip solenoid or relay (that is, short the anode and cathode of the semiconductor device).

e) Open circuit or short circuit a single rectifier diode in the ground fault detection power supply circuit. Short circuit a single diode in the case of a bridge rectifier package.

41A.3 Certain failure modes in 19A.4 need not be tested if, based on an engineering analysis of the circuit, one or both of the following criteria are met. The results of the engineering analysis shall be agreeable to all parties concerned.

a) The failure mode does not interfere with the ability of the ALCI to respond to a line to ground fault.

b) The failure mode results in 19A.4 being met automatically, without assistance from the auto-monitoring function.

41A.4 The device power contacts shall be in the closed position at the start of the test. Power shall be applied externally by closing a switch in the supply. Each ALCI shall comply with 19A.4 within the timing requirements of 19A.2.

BSR/UL 1066, Standard for Safety for *Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures*

1. Revision to SC2.5 to Clarify Testing Requirements for Circuit Breakers with a Remotely Operated Racking Mechanism

SC2.5 If any part of the remotely operated racking mechanism, when installed, interferes with the intended venting of the circuit breaker or reduces the distance to grounded dead metal, the overload, endurance, and short-circuit interrupting ~~tests~~ sequences are to be performed on the circuit breaker with the remotely operated racking mechanism installed.

2. Revision of the Scope to Increase the Maximum Allowable Voltage of Low-Voltage Power Circuit Breakers

1.7 These requirements cover equipment rated ~~600~~ 1000 V or less nominal, ~~635~~ 1058 V maximum ac and ~~300~~ 1500 V maximum dc.