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# Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* ([www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS. Directly and materially interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

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## AAFS (American Academy of Forensic Sciences)

Teresa Ambrosius <[tambrosius@aafs.org](mailto:tambrosius@aafs.org)> | 410 North 21st Street | Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

### **New Standard**

BSR/ASB BPR 193-202x, Best Practice Recommendations for Determining What Scene and Death Locations a Medicolegal Death Investigation Authority Should Respond to for Investigation (new standard)

Stakeholders: Coroners, death investigators, families of decedents, medical examiners, medicolegal death investigators, Justices of the Peace, law enforcement, crime scene investigators, legal community, public health, forensic pathologists

Project Need: This document will bring increased uniformity to death investigations by providing recommendations as to which scenes trained personnel should respond.

Interest Categories: Academics and Researchers, Jurisprudence and Criminal Justice, Organizations, Producer, User - Government, User - Non-Government

This document provides best practice recommendations for determining when a response and investigation by a medicolegal death investigation authority are necessary. This document addresses which types of decedents, locations, and cases should be examined at the location of death, and at the incident scene. Details on how to conduct scene investigations are not addressed in this document.

## AAFS (American Academy of Forensic Sciences)

Teresa Ambrosius <[tambrosius@aafs.org](mailto:tambrosius@aafs.org)> | 410 North 21st Street | Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

### **Revision**

BSR/ASB Std 030-202x, Standard for a Quality Assurance Program in Bloodstain Pattern Analysis (revision of ANSI/ASB Std 030-2019)

Stakeholders: All forensic science service providers who have (or desire to develop) a bloodstain pattern analysis capability.

Project Need: The second edition of this document provides additional structure and guidance on the requirements and recommendations for a quality assurance program in bloodstain pattern analysis. Additionally, the updates align this document with the newer BPA standards and accepted discipline terminology.

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organizations, User - Government, User - Non-Government

This document provides requirements for establishing and maintaining a documented quality assurance program in bloodstain pattern analysis and is intended to ensure the quality of the work product that comes from forensic service providers.

## **AAFS (American Academy of Forensic Sciences)**

Teresa Ambrosius <[tambrosius@aafs.org](mailto:tambrosius@aafs.org)> | 410 North 21st Street | Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

### ***New Standard***

BSR/ASB Std 186-202x, Standard for Forensic Autosomal STR DNA Statistical Analyses (new standard)

Stakeholders: Forensic DNA analysis practitioners. Criminal justice system will be the end users.

Project Need: Forensic DNA testing requires that statistical calculations be performed on evidentiary DNA profiles that are established as relevant in the context of the case to aid in the assessment of an inclusion or positive association with a known individual. Calculations commonly used are the likelihood ratio (LR), random match probability (RMP), or combined probability of inclusion or exclusion (CPI/CPE). This standard provides those testing requirements for the laboratory protocol for performing statistical

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organizations, Producer, User - Government, User - Non-Government

This standard provides requirements for the laboratory protocol for performing statistical analyses, including verification and consistent application of the protocol. This document also includes requirements for documentation in the case record of information regarding the statistical calculations. This standard applies to testing performed using the polymerase chain reaction (PCR) amplification of autosomal loci having short tandem repeats (STR).

## **AAFS (American Academy of Forensic Sciences)**

Teresa Ambrosius <[tambrosius@aafs.org](mailto:tambrosius@aafs.org)> | 410 North 21st Street | Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

### ***New Standard***

BSR/ASB Std 199-202x, Standard for Familial DNA Searching (new standard)

Stakeholders: Forensic DNA analysis practitioners. Criminal justice system will be the end users.

Project Need: This document provides a framework to the laboratory to ensure that that these searches balance privacy rights with the ability to provide investigative leads. The standard addresses administrative structure, validation, reporting and privacy not covered in existing documents.

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organizations, Producer, User - Government, User - Non-Government

This standard provides the requirements for laboratories that perform familial DNA searches to have a policy specifying criteria for: (a) accepting a familial DNA search request; (b) administrative structure and responsibilities; (c) the search process; (d) reporting results; and (e) safeguarding individual privacy and confidentiality of the results. This standard also defines validation requirements for familial DNA searches. ASB File Name: ASB New Work Proposal Form rev June 2022 NWP\_033\_DNA This standard does not apply to Investigative Genetic Genealogy or to the investigation of partial matches that may occur during the normal course of forensic database searches.

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

Maria Acevedo <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, 6th Floor | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

### ***Revision***

BSR/ASME PTC 11-202x, Fans (revision of ANSI/ASME PTC 11-2008 (R2018))

Stakeholders: Designer, Producer, Manufacturer, Constructor, Owner, Utility, Operator, Consultant, User, General Interest, Laboratory, Testing, Regulatory, Government, Testing Services, Distributor, Installer

Project Need: There is a need to revise the standard with updated information on addressing the effects of inlet flow distortions and performing a field calibration for fan input power measurement.

Interest Categories: General Interest, Laboratory/Testing, User, Manufacturer, Constructor, Designer/Constructor

This Code provides standard procedures for conducting and reporting tests on fans, including those of the centrifugal, axial, and mixed flow types.

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

Maria Acevedo <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, 6th Floor | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

***New Standard***

BSR/ASME VVUQ 90-202x, Airframe Structure Modeling & Simulation Credibility Assurance Framework (new standard)

Stakeholders: Designer, Producer, Manufacturer, Constructor, Owner, Utility, Operator, Consultant, User, General Interest, Laboratory, Regulatory/Government, Testing Services, Distributor, Installer

Project Need: There is an industry need for a standard that enables the design and certification of airframe structures to be safer, more innovative, and less costly using modeling and simulation.

Interest Categories: Designer, General Interest, Laboratory/Testing, Manufacturer, Regulatory, Government

This standard will provide an approach for determining and justifying the appropriate level of credibility required when using modeling and simulation to make a critical decision in the development and certification of airframe structures.

**ASSP (ASC A10) (American Society of Safety Professionals)**

Tim Fisher <[TFisher@ASSP.org](mailto:TFisher@ASSP.org)> | 520 N. Northwest Highway | Park Ridge, IL 60068 [www.assp.org](http://www.assp.org)

***Revision***

BSR/ASSP A10.23-202X, Safety Requirements for the Installation of Drilled Shafts (revision and redesignation of ANSI/ASSP A10.23-2019)

Stakeholders: Occupational Safety and Health professionals in construction work areas. Stakeholders working with safety requirements for the Installation of drilled shafts

Project Need: Based upon the consensus of the A10 Committee.

Interest Categories: Employer/User; Employee/Labor; Consultants and Related Interests; Technical which includes manufacturers of equipment and material for the construction/demolition industry and organizations

This standard establishes safety requirements for the installation of drilled shafts during construction and demolition operations.

**ASSP (ASC A10) (American Society of Safety Professionals)**

Tim Fisher <[TFisher@ASSP.org](mailto:TFisher@ASSP.org)> | 520 N. Northwest Highway | Park Ridge, IL 60068 [www.assp.org](http://www.assp.org)

***Revision***

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSP A10.25-2023)

Stakeholders: Occupational safety and health professionals working in the construction and demolition operations

Project Need: Based upon the consensus of the A10 Membership and the leadership of the American Society of Safety Engineers

Interest Categories: Employer/User; Employee/Labor; Consultants and Related Interests; Technical which includes manufacturers of equipment and material for the construction/demolition industry and organizations

This standard applies to all construction jobsites and covers potable water, toilet and hand-washing facilities located on a jobsite. It assures that employees are provided with adequate potable water, hand-washing and sanitary waste-disposal facilities.

**ASSP (Safety) (American Society of Safety Professionals)**

Tim Fisher <[TFisher@ASSP.org](mailto:TFisher@ASSP.org)> | 520 N. Northwest Highway | Park Ridge, IL 60068 [www.assp.org](http://www.assp.org)

**Revision**

BSR/ASSP A10.4-202X, Safety Requirements for Personnel Hoists & Employee Elevators for Use on Construction and Demolition Sites (revision, redesignation and consolidation of ANSI/ASSE A10.4-2016, ANSI/ASSE A10.22-2007 (R2017))

Stakeholders: Occupational Safety and Health Professionals working in the construction and demolition industry. Stakeholders from the construction industry working with Personnel Hoists & Employee Elevators For Use on Construction and Demolition Sites

Project Need: Based upon the consensus of the A10 Committee and Occupational Safety and Health Professionals working in the construction and demolition industry. This revised standard will consolidate the requirements found in both the A10.4 and A10.22 Standards.

Interest Categories: Employer/User; Employee/Labor; Consultants and Related Interests; Technical which includes manufacturers of equipment and material for the construction/demolition industry and organizations

This standard applies to the design, construction, installation, operation, inspection, testing, maintenance, alterations and repair of personnel hoists and employee elevators that (1) are not an integral part of buildings, (2) are installed inside or outside buildings, structures, or cranes during construction, alteration, or demolition operations, and (3) are used to raise and lower workers and other personnel connected with or related to the structure. These personnel hoists and employee elevators may also be used for transporting materials under specific circumstances defined in this standard.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS A5.5/A5.5M-202x, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2022)

Stakeholders: Welders, welding supervisors, welding educators, welding engineers, filler metal suppliers, filler metal manufacturrers and all those who are involved in low-alloy steel welding.

Project Need: Updating for new practices

Interest Categories: Users, Educators, Producers, General Interest, Distributors.

This specification prescribes the requirements for classification of low-alloy steel-covered electrodes used for shielded metal arc welding. The requirements include chemical composition and mechanical properties of weld metal, weld metal soundness, usability tests of electrodes, and moisture tests of the low-hydrogen electrode covering. Requirements for standard sizes and lengths, marking, manufacturing, and packaging are also included. Optional supplemental requirements include tests for absorbed moisture in the electrode covering and for diffusible hydrogen in the weld metal. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS A5.25/A5.25M-202x, Specification for Carbon and Low-Alloy Steel Electrodes and Fluxes for Electroslag Welding (revision of ANSI/AWS A5.25/A5.25M-2023)

Stakeholders: Welding Industry professional involved in Electroslag welding

Project Need: Updating for new practices

Interest Categories: Users, Educators, Producers, General Interest, Distributors.

This specification prescribes the requirements for classification of fluxes and solid and composite metal cored electrodes for electroslag welding. The requirements for electrodes include chemical composition of the electrode for solid electrodes and of weld metal for metal-cored electrodes. Requirements for fluxes include the mechanical properties and soundness of weld metal taken from a groove weld made with a particular electrode using a prescribed welding procedure. Standard electrode sizes, marking, and packaging requirements are included. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS A5.30/A5.30M-202x, Specification for Consumable Inserts (revision of ANSI/AWS A5.30/A5.30M-2022)

Stakeholders: Fabricators and consumers

Project Need: Welding industry needs consumable inserts.

Interest Categories: Users, Educators, Producers, General Interest, Distributors.

Five classes (cross-sectional designs) of consumable inserts of various chemical compositions are described. Each class is subdivided into two or three styles based on the shape of the insert. The chemical composition of the consumable insert is specified herein, or by the composition limits shown in another AWS A5 solid wire specification. Packaging and marking requirements are specified. Application guidelines are provided in an informational annex.

**AWS (American Welding Society)**

Kevin Bulger <[kbulger@aws.org](mailto:kbulger@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**National Adoption**

BSR/AWS A5.9/A5.9M (ISO 14343-202x MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M-2022 (ISO 14343-2017 MOD))

Stakeholders: All welding professionals involved in stainless steel welding including producers, educators, consultants, users and having general interest.

Project Need: Updating for new practices

Interest Categories: Users, Educators, Producers, General Interest, Distributors.

This specification prescribes the requirements for classification of bare stainless steel electrodes (both as wire and strip) for gas metal arc welding, submerged arc welding, and other fusion welding processes. It also includes wire and rods for use in gas tungsten arc welding and plasma arc welding. Classification is based on chemical composition of the filler metal. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the stainless steel filler metal. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### Revision

BSR/IEEE 352-202x, Guide for General Principles of Reliability Analysis of Nuclear Power Generating Station Systems and Other Nuclear Facilities (revision of ANSI/IEEE 352-2016)

Stakeholders: Nuclear generating stations, other nuclear facilities owners, utilities, vendors, architect/engineer, and suppliers.

Project Need: This revision is needed to update the current revision of the guide to reflect industry changes in reliability approaches since 2016. This will align the guide with the practices being used by the Nuclear Power Generating Stations. In addition, this revision will: (a) Comply with the IEEE 10-year review plan, (b) Investigate and incorporate changes to reflect new approaches, (c) Investigate and incorporate changes to coordinate with appropriate revised and new IEEE standards, (d) Update bibliography, (e) Update to latest template and Style Manual

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This guide contains general reliability and availability analysis methods that can be applied to structures, systems, and components (SSCs) in nuclear power generating stations and other nuclear facilities.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### Revision

BSR/IEEE 649-202x, Standard for Qualifying Class 1E Motor Control Centers for Nuclear Facilities (revision of ANSI/IEEE 649-2006 (R2011))

Stakeholders: Stakeholders include nuclear facilities, architect-engineers, nuclear qualification laboratories and other interested parties.

Project Need: The reason for the project is to reflect the current state-of-technology. The target users are the nuclear industry (manufacturers, test laboratories, electrical utilities, and the Government regulatory agency).

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard describes the basic principles, requirements, and methods for qualifying Class 1E motor control centers for both harsh and mild environment applications in nuclear facilities.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### New Standard

BSR/IEEE 1070-202x, Guide for the Design and Testing of Transmission Modular Restoration Structure Components (new standard)

Stakeholders: Electric utilities with overhead transmission lines.

Project Need: This revision project adds new information regarding materials and ancillary parts or equipment needed to sustain a long-term transmission modular restoration structure maintenance program.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This guide provides a list of materials and ancillary equipment needed to sustain a long-term transmission modular restoration structure maintenance program.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### ***New Standard***

BSR/IEEE 3001.1-202x, Recommended Practice for the Planning and Design of Industrial and Commercial Power Systems (new standard)

Stakeholders: Those responsible for the design of industrial and commercial power systems, including design professionals, owners and operators of industrial and commercial facilities, and manufacturers who sell related components and equipment.

Project Need: This new standard is part of a larger project to revise and reorganize the technical content of the 13 existing IEEE Color Books. Benefits of the project include, but are not limited to: (1) the elimination of duplicate material that now exists in the various color books; (2) the speeding-up of the revision process by allowing Color Book content to be reviewed, edited and balloted in smaller segments; and (3) to accommodate more modern, efficient, and cost-effective physical publishing/distribution methodologies (i.e., the elimination of large and expensive to produce books). This recommended practice is likely to be of greatest value to the power-oriented engineer with limited experience with such requirements. It can also be an aid to all engineers responsible for the electrical design of industrial and commercial power systems.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This recommended practice outlines procedures and various considerations involved when planning and designing electrical power distribution systems serving industrial plants and commercial facilities. The information contained in this recommended practice includes typical load data and a suggested method for determining individual and total connected and total demand load characteristics of industrial plants and commercial buildings.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### ***New Standard***

BSR/IEEE 3329-202x, Standard for Quantum Computing Energy Efficiency (new standard)

Stakeholders: Manufacturers of quantum computers and quantum simulators, of control electronics, of microwave cables, of lasers, of quantum detectors, cryogenists, quantum software engineers, quantum physicists, quantum thermodynamicists.

Project Need: The issue of resources consumed by quantum technologies has remained in the blind spot of most deployment strategies until now. This is all the more surprising given that the energy footprint of classical information and communication technologies is reaching new heights, representing 11% of global power consumption in 2020. Quantum technologies hold great expectations and significant promise across all industries. Any serious assessment of their real-world potential must consider their energy footprint and its relationship to their performance, i.e., energy efficiency.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard defines energy efficiency metrics for quantum computing (gate-based, quantum annealing, quantum simulation). It compares the performance of the computation to its energy consumption. The performance is defined at the quantum level and at the end user level. The definition applies to all Quantum Bit (qubit) technologies, including the classical and quantum control chains, to various quantum processors, both Noisy Intermediate Scale Quantum (NISQ)-era and fault-tolerant, as well as to quantum annealers and simulators.



## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### ***New Standard***

BSR/IEEE 9274.3.1-202x, Standard for Packaging, Launch, and Run-time of Experience Application Programming Interface (xAPI) in Session-based Learning (new standard)

Stakeholders: LMS product designers, developers, vendors, users, and researchers, corporate, academic, and government training organizations, and content publishers.

Project Need: A standard is needed to define a data model format and communication protocol for learning experience data allowing vendors to build interoperable solutions and to take advantage of many products that support the xAPI. LMSs as they currently exist in the marketplace do not have semantic data interoperability through xAPI alone, nor are there standards for content delivery or structure. The result is that LMSs push content development requirements in a non-standard way towards content developers, such that developers create content that does not work in an LMS.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

A Learning Management System (LMS) is a system that manages learners, learning content as presented via HyperText Markup Language (HTML), and the authorized use of the learning content to learners. This standard describes rules, vocabulary, and processes for communication between registered learning activities experienced by an individual, group, or other entity and an LMS. The JavaScript Object Notation (JSON) data model format is used and rules for use of Representational State Transfer (RESTful) Web Service Application Programming Interface (API) are defined.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### ***New Standard***

BSR/IEEE 62671-202x, Nuclear Power Plants - Instrumentation and Control Important to Safety - Selection and Use of Industrial Digital Devices of Limited Functionality (new standard)

Stakeholders: Utilities that operate nuclear power generating stations, regulators, and vendors that provide instrumentation and controls and electrical systems and components.

Project Need: Requirements for determining industrial quality digital device suitability for use in nuclear applications are not adequately addressed today in IEEE Standards. There is a direct correlation between the technical and safety objectives as set by regulators and the operational costs of qualifying and using smart devices. The practice to assess the safety of smart devices for use in the nuclear industry differs among countries. There is a need to build consensus on how to evaluate suitability of these devices.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard provides requirements for determining whether devices not designed and manufactured to be in compliance with the IEEE NPEC suite of standards or the IEC SC45A suite of standards are suitable for use in nuclear applications that require compliance to any of those standards. The devices covered are defined by the IAEA's definition of the term "Smart Devices" which states that Smart devices are generally digital devices with limited functionality, and do not include user-programmable devices such as programmed logic controllers (PLCs).

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### **Revision**

BSR/IEEE C37.13.1-202x, Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear (revision of ANSI/IEEE C37.13.1-2016)

Stakeholders: Manufacturers, specifiers, designers, consulting engineers, and users of Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear

Project Need: This project is expected to include updates to references, and other changes to bring it up to date with the other standards in the C37 series.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard provides requirements for low-voltage (600 V ac and below) definite-purpose switching (LV-DPS) devices (other than power circuit breakers) for use in metal-enclosed low-voltage power circuit breaker switchgear described in IEEE Std C37.20.1(TM). These switching devices may be used in motor control or other repetitive duty applications and have the following characteristics: (a) Drawout type, three-pole construction; (b) Integral current-limiting fuses for short-circuit protection; (c) Power operated, with integral or separately mounted overcurrent protective devices. In this standard, the term "LV-DPS device" denotes a low-voltage definite-purpose switching device conforming to the requirements of this standard.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### **New Standard**

BSR/IEEE C37.21-202x, Standard for Control Switchboards (new standard)

Stakeholders: Users and manufacturers of control switchboards

Project Need: To bring this standard in alignment with IEEE revision requirements and to incorporate recent amendments into the standard.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard covers ratings, construction, and testing of dead-front control switchboards containing, but not limited to, devices such as switches, control devices, instrumentation, metering, monitoring, protective and auxiliary relays, and regulating devices and accessories. It includes switchboards for the control and protection of apparatus used for or associated with power generation, conversion, transmission, and distribution. It does not apply to industrial controls, communication equipment, switchboards for use onboard ships, or Class 1E switchboards for use in nuclear generating stations, nor does it address human factor considerations. In this standard, dead-front control switchboards are called control switchboards.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### Revision

BSR/IEEE C37.103-202x, Guide for Differential and Polarizing Relay Circuit Testing (revision of ANSI/IEEE C37.103-2015)

Stakeholders: Relay test engineers and technicians, protection and control design engineers, protection system analysis engineers, transmission owners, transmission operators, generator owners and generator operators.

Project Need: Material in this guide needs to be updated for modern test sets that provide three-phase voltage and current, as well as modern microprocessor relays, some of which calculate operating and/or polarizing quantities internally. In addition, testing of restricted earth fault (transformer ground differential) protection is not presently addressed.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This guide covers tests to help ensure correct connections of differential relays and polarizing circuits of phase and ground relays. Although other preparatory tests are mentioned in this guide, these tests are not discussed in detail.

## IEEE (Institute of Electrical and Electronics Engineers)

Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)> | 445 Hoes Lane | Piscataway, NJ 08854-4141 [www.ieee.org](http://www.ieee.org)

### Revision

BSR/IEEE C57.32-202x, Standard for Requirements, Terminology, and Test Procedures for Neutral Grounding Devices (revision of ANSI/IEEE C57.32-2015)

Stakeholders: Users and manufacturers of neutral grounding devices

Project Need: Present-day requirements for these devices may be out of date with existing standards. This revision will provide up-to-date standard requirements, terminology, and test procedures for neutral grounding devices.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

This standard applies to devices used for the purpose of controlling the ground current or the potentials to ground of an alternating current system. These devices are: grounding transformers, ground-fault neutralizers, resistors, reactors, or combinations of these devices. The standard provides up-to-date requirements, terminology, and test procedures for neutral grounding devices. This standard does not cover the application of these devices.

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

Rachel Porter <[comments@standards.incits.org](mailto:comments@standards.incits.org)> | 700 K Street NW, Suite 600 | Washington, DC 20001 [www.incits.org](http://www.incits.org)

### New Standard

BSR INCITS 583-202x, Information Technology - Fibre Channel–Link Services - 6 (FC-LS-6) (new standard)

Stakeholders: ICT Industry

Project Need: Current Fibre Channel Extended Link Services are defined in the FC-LS-5 standard. Requests for additional and enhanced Extended Link Services functions are coming from existing and new implementation areas of Fibre Channel.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Fibre Channel Extended Link Services provide an invaluable service for management and control of Fibre Channel systems. This project proposal recommends the development of additional and enhanced Extended Link Services functions to the Extended Link Services defined in the FC-LS-5 standard. The specific goals of the FC-LS-6 standard are: (a) obsoleting Arbitrated Loop; (b) port maintenance functionality; (c) clarifications of any existing ambiguities; (d) any items deemed necessary to support higher data rates; and (e) any other item as deemed necessary during development.

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

Kyle Krueger <[Kyle.Krueger@necanet.org](mailto:Kyle.Krueger@necanet.org)> | 1201 Pennsylvania Avenue, Suite 1200 | Washington, DC 20004 [www.neca-neis.org](http://www.neca-neis.org)

### **Revision**

BSR/NECA 1-202X, Standard for Good Workmanship in Electrical Construction (revision of ANSI/NECA 1-2023)

Stakeholders: Electrical Contractors and their Customers, Inspectors, Specifiers, Electricians and Engineers

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, General Interest, Producer, Government

This Standard addresses the mechanical execution of work that is an integral part of the installation of electrical equipment and systems, describes what constitutes "good workmanship", and includes accepted industry practices used to install equipment in a professional and skillful manner as addressed in the NEC, Section 110.12.

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

Michael Erbesfeld <[Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)> | 1300 N 17th Street, Suite 900 | Rosslyn, VA 22209 [www.nema.org](http://www.nema.org)

### **New Standard**

BSR C137.12-202X, Standard for Lighting Systems Germicidal UV and Visible Wavelength Devices and Luminaires:

Facts and Nomenclature (new standard)

Stakeholders: Producers, Users, General Interest

Project Need: This project is needed as many pathogens are spread by small particle aerosols and/or larger droplets that may contaminate surfaces. These transmission paths present the risk of disease. For many years, germicidal ultraviolet and visible wavelength has been used to help mitigate this risk. The recent pandemic has increased the focus on methods to reduce disease transmission and the role of germicidal ultraviolet and visible wavelength as a key preventive measure. However, there are unsafe and ineffective products that enter the marketplace. Accordingly, presenting consistent and accurate information regarding germicidal ultraviolet and visible wavelength products has become critical to manufacturers, purchasers, end users, and regulators.

Interest Categories: Producers, Users, General Interest

This document focuses on germicidal UV and Visible Wavelength devices and luminaires, that claim to inactivate bacterial, viral, fungal, or other microbial targets in air and on surfaces. The requirements describe the type of information, labeling, and/or product specification information, that shall be made available concerning the products and suggested format for presentation. The products included in the scope include germicidal ultraviolet and visible wavelength devices and luminaires that are intended for operation in spaces that are occupied during the disinfection process as well as devices and luminaires that are restricted to operation only when a space is unoccupied. Products that are not included in the scope include products intended for water disinfection, cabinet products, portable air purifiers with enclosed germicidal devices, handheld devices, food treatment, and FDA Class II medical devices. This definition excludes discrete components and/or accessories not yet fully assembled or ready for operation.

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

Natasha Aden <[naden@scte.org](mailto:naden@scte.org)> | 140 Philips Road | Exton, PA 19341-1318 [www.scte.org](http://www.scte.org)

### **Revision**

BSR/SCTE 104-202x, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2022)

Stakeholders: Cable Communications Industry

Project Need: Update to current technology.

Interest Categories: Producer, User, General Interest

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 [SCTE35] private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 [SCTE35] and SCTE 30 [SCTE30].

## **SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

### ***New Standard***

BSR/SEIA 101-202x, Solar and Energy Storage Supply Chain Traceability Standard (new standard)

Stakeholders: Manufacturers, raw and finished material suppliers, component suppliers, labor and workforce groups, organizations with Environmental and Social Governance goals and requirements, equipment distributors, Solar and energy storage developers, installers, and project / system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: The ability to trace the provenance of products and components through the value chain, from input materials to the finished product, is critical for a variety of reasons, including environment, health, and safety (EHS), sustainability, and social responsibility. Supply chain tracing is the first step in helping manufacturers and other stakeholders evaluate environmental impacts. SEIA's Traceability Standard will increase visibility into supply chains, and will present steps to trace product supply chains, integrate transparency into management systems, and integrate transparency into operational processes.

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, investors, insurance companies, and product certification agencies. General interests can include general public, academia, research laboratories, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, auditing and inspection firms, and service organizations.

SEIA's Solar and Energy Storage Traceability Standard will include parameters and requirements for demonstrating the provenance of inputs and materials for solar and energy storage products and components. By implementing the key principles outlined in this standard, companies can achieve greater transparency in their operations, including in the context of broader Environmental Social Governance due diligence.

## **SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

### ***New Standard***

BSR/SEIA 201-202x, Solar and Energy Storage Installation Requirements Standard: Residential Systems (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: This standard will provide effective references and tools to evaluate, develop and encourage the adoption of the standard into solar and storage installations for residential portfolios.

Interest Categories: Producer interests may include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, applied research laboratories, building owners, investors, insurance companies, inspection agencies, and product certification agencies. General interests can include general public, academia, scientists, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, and service organizations.

This standard will prescribe the comprehensive structural, electrical, fire, and other building codes and standards requirements for solar and energy storage asset design inputs, installation, component engineering, and building integration to ensure high-quality installations in residential portfolios.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 202-202x, Solar and Energy Storage Installation Requirements Standard: Residential Systems Installer Training (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: This standard will provide the requirements, metrics, and tools to train, evaluate, develop skills, and establish career paths for solar and energy storage installers for residential portfolios.

Interest Categories: Producer interests may include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, applied research laboratories, building owners, investors, insurance companies, inspection agencies, and product certification agencies. General interests can include general public, academia, scientists, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, and service organizations.

This standard will prescribe the comprehensive technical and construction training requirements for solar and energy storage installers to ensure high-quality installations in residential portfolios.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 251-202x, Solar and Energy Storage Installation Requirements Standard: Commercial & Industrial Systems (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: This standard will provide effective references and tools to evaluate, develop and encourage the adoption of the standard into solar and storage installations for commercial and industrial portfolios.

Interest Categories: Producer interests may include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, applied research laboratories, building owners, investors, insurance companies, inspection agencies, and product certification agencies. General interests can include general public, academia, scientists, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, and service organizations.

This standard will prescribe the comprehensive structural, electrical, fire, and other building codes and standards requirements for solar and energy storage asset design inputs, installation, component engineering and building integration to ensure high-quality installations in commercial and industrial portfolios.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 252-202x, Solar and Energy Storage Installation Requirements Standard: Commercial & Industrial Systems Installer Training (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: This standard will provide the requirements, metrics, and tools to train, evaluate, develop skills, and establish career paths for solar and energy storage installers for commercial and industrial portfolios.

Interest Categories: Producer interests may include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, applied research laboratories, building owners, investors, insurance companies, inspection agencies, and product certification agencies. General interests can include general public, academia, scientists, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, and service organizations.

This standard will prescribe the comprehensive technical and construction training requirements for solar and energy storage installers to ensure high-quality installations in commercial and industrial portfolios.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 301-202x, Solar and Energy Storage Operations and Maintenance Standard: Technician Training (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Given the tremendous expected growth of solar and energy storage systems and projects due to the passage of the Building Infrastructure Act and the Inflation Reduction Act, there is a need for industry to align expectations and requirements for technical, operations and maintenance training for an incoming, transitioning, and experienced technician workforce.

Interest Categories: Producer interests may include manufacturers, distributors, or material associations. User interests may include developers, design consultants, installers/contractors, applied research laboratories, building owners, investors, insurance companies, inspection agencies, or product certification agencies. General interests may include general public, academia, scientists, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, or service organizations.

This standard will identify entry-level, on-going, supervisory, and managerial workforce training and on-going performance requirements that help ensure systems and projects are safely, reliably, and consistently operated and maintained such that they meet or exceed their contracted financial and energy generation production requirements.



**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 401-202x, Solar and Energy Storage Consumer Protection Standard (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, equipment distributors, Solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Like any consumer-facing industry, solar companies need to be good stewards and understand their responsibilities so that consumers are treated fairly. Consumer confidence determines the industry's success. Consumers expect and deserve truthful advertising, contracts with key terms, and treated reasonably before and during the sales process.

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, investors and lenders, installers/contractors, applied research laboratories, investors, and insurance companies. General interests can include general public, academia, government agencies, and consumer groups.

This standard will outline solar, energy storage, and EV charging system business transparency requirements based on expectations from sellers, lenders, insurers, and buyers.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 501-202x, Solar and Energy Storage Environmental, Health, and Safety Standard: Installer and Technician Training (new standard)

Stakeholders: Manufacturers, finished material suppliers, component suppliers, labor and workforce groups, organizations with Environmental and Social Governance goals and requirements, equipment distributors, solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Given the tremendous expected growth of solar and energy storage systems and projects due to the passage of the Building Infrastructure Act and the Inflation Reduction Act, there is a need for industry to align expectations and requirements for basic and enhanced health and safety training for an incoming, transitioning, and experienced installer and technician workforce.

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, investors, insurance companies, and product certification agencies. General interests can include general public, academia, research laboratories, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, auditing and inspection firms, and service organizations.

This standard will outline the requirements for solar and energy storage industry regarding health and safety training, environment, workforce safety training, and performance aspects.



**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 601-202x, Solar and Energy Storage Equipment Decommissioning Standard (new standard)

Stakeholders: Manufacturers, component suppliers, labor and workforce groups, organizations with Environmental and Social Governance goals and requirements, solar and energy storage developers, installers, project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Industry supports a Circular Economy approach to End-of-Life or End-of-Performance management of solar and energy storage equipment. This standard will include requirements that ensure that environmentally and socially responsible and sustainable practices are followed so that any adverse impacts to landowners, building owners, and other community stakeholders are minimized.

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, investors, insurance companies, and product certification agencies. General interests can include general public, academia, research laboratories, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, auditing and inspection firms, and service organizations.

This standard will cover decommissioning plans and requirements for solar and energy storage equipment including removal, handling, logistics, contracts, land rehabilitation and other aspects necessary to address the project removal in an environmentally and socially responsible manner.

**SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

***New Standard***

BSR/SEIA 602-202x, Solar Equipment Minimum Requirements for Recyclers (new standard)

Stakeholders: Manufacturers, raw and finished material suppliers, component suppliers, labor and workforce groups, organizations with Environmental and Social Governance goals and requirements, equipment distributors, solar and energy storage developers, installers, and project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Currently available recycler accreditation standard is for those recyclers who meet higher requirements for qualification. Not all recyclers who will process solar equipment may be able to meet those elevated requirements right away, although it is preferred by industry. This standard will help entry-level and new recyclers establish necessary processes and procedures to eventually mature up to the higher standard requirements

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, investors, insurance companies, and product certification agencies. General interests can include general public, academia, research laboratories, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, auditing and inspection firms, and service organizations.

This standard will outline the minimum requirements that solar equipment recyclers must meet and will include business, operational, and auditing requirements

## **SEIA (Solar Energy Industries Association)**

Jennifer Martin <[jmartin@seia.org](mailto:jmartin@seia.org)> | 1425 K Street, NW | Suite 1000, Washington 20005 [www.seia.org](http://www.seia.org)

### ***New Standard***

BSR/SEIA 603-202x, Solar Equipment End-of-Performance / End-of Life Management Standard (new standard)

Stakeholders: Manufacturers, component suppliers, labor and workforce groups, organizations with Environmental and Social Governance goals and requirements, solar and energy storage developers, installers, project/system owners and operators, energy buyers and consumers, equity interest organizations, financial organizations, asset managers, insurance companies.

Project Need: Industry supports a Circular Economy approach to End-of-Life or End-of-Performance management of solar and energy storage equipment. This standard will include requirements that ensure that environmentally and socially responsible and sustainable practices are followed so that any adverse impacts to landowners, building owners, and other community stakeholders are minimized.

Interest Categories: Producer interests can include manufacturers, distributors, and material associations. User interests may include developers, design consultants, installers/contractors, investors, insurance companies, and product certification agencies. General interests can include general public, academia, research laboratories, technical societies, consumer groups, environmental groups, government/regulatory agencies, system owners/users, auditing and inspection firms, and service organizations.

This standard will provide requirements for labeling, testing, sorting, handling, and logistics for reuse, refurbishment, and recycling of solar equipment.

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

Jing Kwok <[jing.kwok@vita.com](mailto:jing.kwok@vita.com)> | 929 W. Portobello Avenue | Mesa, AZ 85210 [www.vita.com](http://www.vita.com)

### ***Revision***

BSR/VITA 48.5-202x, Mechanical Standard for Electronic Plug-in units Using Air Flow Through Cooling (revision of ANSI/VITA 48.5-R2010 (R2017))

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers.

Project Need: Update current standard to provide better guidance for heat sink design, and adds appendix for specific air seal dimensions and suppliers.

Interest Categories: Producers, Users, General Interest.

This standard establishes the design requirements for an air-flow-through cooled plugin unit with a form factor as close to 6U as possible while retaining the VITA 46 connector layout. Unlike ANSI/VITA 48.1, which uses cooling air impinging directly upon the components and circuit boards, this plug-in unit uses a compact core heat exchanger located within the central heat sink of the unit. This revision expands and clarifies the plug in unit pitch options, provides better guidance for heat sink design, and adds appendix for specific air seal dimensions and suppliers.

# Call for Comment on Standards Proposals

## American National Standards

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. e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: August 27, 2023

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [etoto@ashrae.org](mailto:etoto@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### Addenda

BSR/ASHRAE/IES Addendum h to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)

Addendum h proposes changes to the maximum allowable air leakage in the building thermal envelope. This ISC further adjusts the required value from 3.6 ACH50 to 3.0 ACH50, as fitting for a leadership standard. Additional improvements to language are also provided in this updated draft.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [etoto@ashrae.org](mailto:etoto@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### Addenda

BSR/ASHRAE/IES Addendum i to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)

The purpose of addendum i is to establish terminology for common spaces, in accordance with the recent scope change that enables 90.2 to address high-rise residential buildings.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

## Comment Deadline: August 27, 2023

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [etoto@ashrae.org](mailto:etoto@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE/IES Addendum k to ANSI/ASHRAE/IES Standard 90.2-2018, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.2-2018)

Addendum k contains modifications to Section 10, Normative References, necessitated by the revision of multiple reference standards since the latest publication of 90.2.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [etoto@ashrae.org](mailto:etoto@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE/IES Addendum m to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)

This addendum adds rating requirements for DX fin-and-tube coils (AHRI 410-2023) and exhaust energy recovery heat exchangers (AHRI 1060) with the exception of systems that are rated under CSA C439-2018 or where other international standards are accepted.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

## Comment Deadline: August 27, 2023

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

136 Harvey Road, Suite 101, Londonderry, NH 03053 | [rrouse@tcia.org](mailto:rrouse@tcia.org), [www.treecareindustry.org](http://www.treecareindustry.org)

#### **Revision**

BSR A300-202x, A300 Tree Care Standards (revision, redesignation and consolidation of ANSI A300 Part 1-2017; ANSI A300 Part 2-2018; ANSI A300 Part 3-2013; ANSI A300 Part 4-2014; ANSI A300 Part 5-2019; ANSI A300 Part 6-2012 (R2018); ANSI A300 Part 7-2018; ANSI A300 Part 8-2019; ANSI A300 Part 9-2017; ANSI A300 Part 10-2016)

A300 performance standards cover the care and management of trees, shrubs, palms, & other woody landscape plants, including the following activities: Pruning; Soil Management & Fertilization; Supplemental Support System installation & maintenance; Lightning Protection System installation & maintenance, Management during construction activities; Planting; Transplanting; Integrated Vegetation Management; Root Management; Risk Assessment; & Integrated Pest Management. A300 standards are intended for the development of work practices, written specifications, best management practices, regulations, & other guidance documents. These standards may be excerpted or incorporated by reference; however, they are not intended to be adopted in their entirety into laws and regulations or as work specifications without additional information & clarification, such as A300 specification writing guidelines. A300 standards shall apply to any person or entity engaged in the management of trees, shrubs, palms, or other woody plants, including federal, state or local agencies, utilities, arborists, consultants, arboricultural or landscape firms, & managers or owners of property. ANSI A300 standards do not apply to commercial agricultural, horticultural production, or silviculture unless this standard, or a portion thereof, is expressly referenced in other standards or specifications. This project will revise, redesignate, & consolidate the current ANSI A300 Part 1 to Part 10 standards for tree care management into one A300 standard for tree care.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Comments are made on-line using the following web form: [https://www.tcia.org/TCIA/Build\\_Your\\_Business/A300\\_Standards/Current\\_Projects.aspx](https://www.tcia.org/TCIA/Build_Your_Business/A300_Standards/Current_Projects.aspx)

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Doreen.Stocker@ul.org](mailto:Doreen.Stocker@ul.org), <https://ulse.org/>

#### **National Adoption**

BSR/UL 62841-4-5-202x, Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -Part 4-5: Particular requirements for grass shears (national adoption with modifications of IEC 62841-4-5)

Proposed adoption of the First Edition of IEC 62841-4-5, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –Part 4-5: Particular requirements for grass shears, as the First Edition of UL 62841-4-5

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>.

## Comment Deadline: August 27, 2023

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [shannon.henesy@ul.org](mailto:shannon.henesy@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1286-202x, Standard for Safety for Office Furnishing Systems (revision of ANSI/UL 1286-2022)

1. Addition of requirements to address risk of personal injury from low level panels and screens; 4. Revisions to Paragraph 18.7.1 to add a reference to European requirements as alternative compliance criteria for non-shattering glass.

[Click here to view these changes in full](#)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>.

## Comment Deadline: September 11, 2023

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### New Standard

BSR/ASB Std 079-202x, Standard for Training in the Use of Combined DNA Index System (CODIS) (new standard)  
This standard defines the minimum requirements for training a forensic DNA analyst in the use of Combined DNA Index System (CODIS). This document excludes training for CODIS administrators.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board).

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [asb@aafs.org](mailto:asb@aafs.org)

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### New Standard

BSR/ASB Std 155-202x, Standard for Minimum Training Requirements for Forensic Document Examiners (new standard)

This standard sets minimum requirements for forensic document examiner basic training programs including requirements for trainees, FDE trainers, and program elements. The standard provides a required training program syllabus. Exclusion: the standard does not cover all aspects of training for the topics addressed or for unusual or uncommon examinations.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: [www.aafs.org/academy-standards-board](http://www.aafs.org/academy-standards-board).

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [asb@aafs.org](mailto:asb@aafs.org)

## Comment Deadline: September 11, 2023

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

275 West Street, Suite 107, Annapolis, MD 21401 | [Ambria.Calloway@X9.org](mailto:Ambria.Calloway@X9.org), [www.x9.org](http://www.x9.org)

#### **Revision**

BSR X9.82-1-202x, Random Number Generation - Part 1: Overview and Basic Principles (revision of ANSI X9.82 Part 1-2006 (R2013))

This standard defines techniques for the generation of random numbers that shall be used whenever ASC X9 standards require the use of a random number or bitstring for cryptographic purposes.

Single copy price: \$60.00

Obtain an electronic copy from: [ambria.calloway@x9.org](mailto:ambria.calloway@x9.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Ambria Calloway <[Ambria.Calloway@X9.org](mailto:Ambria.Calloway@X9.org)>

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [tloxley@ashrae.org](mailto:tloxley@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### **Addenda**

BSR/ASHRAE/ICC/IES/USGBC Addendum bh to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)

This proposal addresses two issues as a result from comments concerning published Addendum ag to ASHRAE Standard 189.1-2020. Even more savings are possible if residential lighting were segmented by lamp type and luminaire type and set specific luminous efficacies for those segments of the lamp and luminaire market. The current additional lighting power allowances for decorative lighting are too broadly applied. Many types of spaces do not need additional decorative lighting above that already permitted by the base power allowance.

Single copy price: \$35.00

Obtain an electronic copy from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>

### **ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [TFisher@ASSP.org](mailto:TFisher@ASSP.org), [www.assp.org](http://www.assp.org)

#### **New Standard**

BSR/ASSP A10.18-202X, Safety Requirements for Temporary Roof and Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges in Construction and Demolition Operations (new standard)

This standard prescribes rules and establishes minimum safety requirements for the protection of employees and the public from hazards arising out of or associated with temporary roof and floor holes, wall openings, stairways, and other unprotected sides and edges, roofs, during construction and demolition activities. This standard applies only to those instances when the leading edge work is inactive and is not currently under construction and is, therefore, considered an unprotected side and edge.

Single copy price: \$110.00

Obtain an electronic copy from: Tim Fisher at [TFisher@ASSP.Org](mailto:TFisher@ASSP.Org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: September 11, 2023

### **ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

#### **Reaffirmation**

BSR ATIS 1000607-2014 (R202x), Integrated Services Digital Network (ISDN) - Layer 3 Signaling Specification for Circuit Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (reaffirmation of ANSI ATIS 1000607-2014)

This standard specifies the procedures for the establishing, maintaining, and clearing of network connection at the Integrated Services Digital Network (ISDN) user-network interface for the support of circuit switched calls.

These procedures are defined in terms of messages exchange over the D-channel.

Single copy price: Free

Obtain an electronic copy from: [akarditzas@atis.org](mailto:akarditzas@atis.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Anna Karditzas <[akarditzas@atis.org](mailto:akarditzas@atis.org)>

### **ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

#### **Stabilized Maintenance**

BSR/ATIS 1000055-2013 (S202x), Emergency Telecommunications Service (ETS): Core Network Security Requirements (stabilized maintenance of ANSI/ATIS 1000055-2013 (R2018))

The integrity, confidentiality, and availability of Emergency Telecommunication Service (ETS) in a multi-provider Next Generation Network (NGN) environment will depend on the security of each individual network involved in an end-to-end communication. To allow network provided security of end-to-end ETS communications in a multi-provider environment, intra-network domain and inter-network domain security requirements for ETS protection are needed. This ATIS standard provides a minimum set of common (i.e., independent of network type or technology) and core network security requirements for the protection of ETS in a multi-provider NGN environment.

Single copy price: Free

Obtain an electronic copy from: [akarditzas@atis.org](mailto:akarditzas@atis.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Anna Karditzas <[akarditzas@atis.org](mailto:akarditzas@atis.org)>

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

6666 W. Quincy Avenue, Denver, CO 80235 | [polson@awwa.org](mailto:polson@awwa.org), [www.awwa.org](http://www.awwa.org)

#### **Revision**

BSR/AWWA B502-202x, Sodium Polyphosphate, Glassy (Sodium Hexametaphosphate) (revision of ANSI/AWWA B502-2017)

This standard describes sodium polyphosphate, glassy, for use in the treatment of potable water, wastewater, and reclaimed water. This material is also known as sodium hexametaphosphate, sodium tetrapolyphosphate, and Graham's salt.

Single copy price: Free

Obtain an electronic copy from: [ETSsupport@awwa.org](mailto:ETSsupport@awwa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: AWWA, Paul J. Olson, [polson@awwa.org](mailto:polson@awwa.org)



## Comment Deadline: September 11, 2023

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

6666 W. Quincy Avenue, Denver, CO 80235 | [polson@awwa.org](mailto:polson@awwa.org), [www.awwa.org](http://www.awwa.org)

#### **Revision**

BSR/AWWA B503-202x, Sodium Tripolyphosphate (revision of ANSI/AWWA B503-2017)

This standard describes sodium tripolyphosphate for use in the treatment of potable water, wastewater, and reclaimed water.

Single copy price: Free

Obtain an electronic copy from: [ETSsupport@awwa.org](mailto:ETSsupport@awwa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: AWWA, Paul J. Olson, [polson@awwa.org](mailto:polson@awwa.org)

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

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### **Revision**

BSR/CSA/Z21.21/CSA 6.5-202x, Automatic valves for gas appliances (same as CSA 6.5) (revision of ANSI Z21.21-2019)

This Standard applies to newly produced automatic valves constructed entirely of new, unused parts and materials. These valves may be individual automatic valves or valves utilized as parts of automatic gas ignition systems. This Standard also applies to commercial/industrial safety shutoff valves, hereinafter referred to as C/I valves. This Standard does not apply to self-contained water heater, cooking appliance, or room heater thermostats, or self-contained automatic gas shutoff valves for hot water supply systems.

Single copy price: Free

Obtain an electronic copy from: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | [cakers@cta.tech](mailto:cakers@cta.tech), [www.cta.tech](http://www.cta.tech)

#### **Reaffirmation**

BSR/CTA 2042.3 R-2018 (R202x), Methods of Measurement for Power Transfer Efficiency and Standby Power of Wireless Power Systems (reaffirmation of ANSI/CTA 2042.3-2018)

CTA-2042.3 describes a way to determine the power being used by the device being charged, and the power being used by the device doing the charging. Dividing the former by the latter gives a measure of system efficiency.

Single copy price: Free

Obtain an electronic copy from: [standards@cta.tech](mailto:standards@cta.tech)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: September 11, 2023

### **IICRC (The Institute of Inspection, Cleaning and Restoration Certification)**

4043 South Eastern Avenue, Las Vegas, NV 89119 | [mwashington@iicrcnet.org](mailto:mwashington@iicrcnet.org), <https://www.iicrc.org>

#### ***New Standard***

BSR/IICRC S700-202x, Standard for Professional Fire and Smoke Damage Restoration (new standard)

This standard describes the principles, processes, and procedures for assessing the presence, intensity of impact and boundaries of fire residues and odors affecting a building, building systems (e.g., Heating, Ventilating and Air-Conditioning (HVAC)), and contents after a fire event. The fire event can occur within the building, an adjoining building(s), or building(s) in the vicinity impacted by an external or internal fire, other than wildfires. This standard also describes the practical principles, methods, and processes including equipment, tools, and materials, for the restoration cleaning and fire odor management of buildings and contents. This standard also addresses contractor qualifications, administrative requirements, procedures, development of the Restoration Work Plan (RWP), documentation of project-related events, and compliance with Authorities Having Jurisdiction (AHJ).

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s700/>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **ISA (International Society of Automation)**

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | [crobinson@isa.org](mailto:crobinson@isa.org), [www.isa.org](http://www.isa.org)

#### ***New Standard***

BSR/ISA 96.03.03-202x, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators (new standard)

The standard will provide guidelines for specifying pneumatic vane type valve actuators used in industrial applications.

Single copy price: \$9.00

Obtain an electronic copy from: [crobinson@isa.org](mailto:crobinson@isa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Charley Robinson <[crobinson@isa.org](mailto:crobinson@isa.org)>

### **ISA (International Society of Automation)**

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | [crobinson@isa.org](mailto:crobinson@isa.org), [www.isa.org](http://www.isa.org)

#### ***Revision***

BSR/ISA 96.03.02-202x, Guidelines for the Specification of Pneumatic Rack and Pinion Valve Actuators (revision of ANSI/ISA 96.03.02-2015)

This standard provides general requirements for the development of specifications for pneumatic rack and pinion actuators.

Single copy price: \$9.00

Obtain an electronic copy from: [crobinson@isa.org](mailto:crobinson@isa.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Charley Robinson <[crobinson@isa.org](mailto:crobinson@isa.org)>

## Comment Deadline: September 11, 2023

### **ITSDF (Industrial Truck Standards Development Foundation, Inc.)**

1750 K Street NW, Suite 460, Washington, DC 20006 | [chris.merther@itsdf.org](mailto:chris.merther@itsdf.org), [www.indtrk.org](http://www.indtrk.org)

#### ***Reaffirmation***

BSR/ITSDF B56.11.5-2014 (R202x), Measurement of Sound Emitted by Low Lift, High Lift, and Rough Terrain Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.5-2014 (R2018))

This Standard establishes the conditions, test procedures, environment, and instrumentation for the determination and reporting of the A-weighted sound pressure level of electric battery and internal combustion engine powered, low lift, high lift, and rough terrain industrial trucks. It excludes earthmoving machinery, industrial cranes, and vehicles intended primarily for use on public roads.

Single copy price: Free

Obtain an electronic copy from: [info@itsdf.org](mailto:info@itsdf.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [info@itsdf.org](mailto:info@itsdf.org)

### **ITSDF (Industrial Truck Standards Development Foundation, Inc.)**

1750 K Street NW, Suite 460, Washington, DC 20006 | [chris.merther@itsdf.org](mailto:chris.merther@itsdf.org), [www.indtrk.org](http://www.indtrk.org)

#### ***Revision***

BSR/ITSDF B56.11.8-202x, Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.8-2019)

This procedure provides the performance and testing requirements for anchorage systems of lap-type belts (seat belts) provided with counterbalanced, center control, high lift trucks that have a sit-down, non-elevating operator.

Single copy price: Free

Obtain an electronic copy from: [info@itsdf.org](mailto:info@itsdf.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [info@itsdf.org](mailto:info@itsdf.org)

### **ITSDF (Industrial Truck Standards Development Foundation, Inc.)**

1750 K Street NW, Suite 460, Washington, DC 20006 | [chris.merther@itsdf.org](mailto:chris.merther@itsdf.org), [www.indtrk.org](http://www.indtrk.org)

#### ***Withdrawal***

ANSI/ITSDF B56.11.1-2012 (R2018), Double Race or Bi-Level Swivel and Rigid Industrial Casters (withdrawal of ANSI/ITSDF B56.11.1-2012 (R2018))

This standard establishes dimensional standards and load capacity criteria for double race or bi-level swivel and rigid industrial casters in order to provide for the overall interchangeability of a complete caster.

Single copy price: Free

Obtain an electronic copy from: [info@itsdf.org](mailto:info@itsdf.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [info@itsdf.org](mailto:info@itsdf.org)

## Comment Deadline: September 11, 2023

### **LEO (Leonardo Academy Inc.)**

8401 Excelsior Drive, Madison, WI 53717 | [tracy@leonardoacademy.org](mailto:tracy@leonardoacademy.org), [www.leonardoacademy.org](http://www.leonardoacademy.org)

#### ***New Standard***

BSR/LEO 5000-202x, Standard for Emissions Inventories, Offsets, and Reduction Credits (new standard)

This standard addresses: emission inventories, offsets, reduction credits, TAGs/Tradable emission reduction certificates and sequestration certificates and other market mechanisms for recognizing emissions and emission reductions for businesses, organizations, projects and individuals. Current methodologies frequently only address a relatively narrow range of types of emissions and a narrow range of sources of emission reductions. This standard provides an integrated standard for emission inventories, offsets, reduction credits and TAGs/Tradable emission reduction certificates for the full range of emission reduction and sequestration measures. This project provides a multi-pollutant approach that will facilitate owners of energy efficiency, renewable energy and other emission reduction actions to calculate and earn emission reduction credits for all types of pollutants reduced.

Single copy price: \$100.00

Obtain an electronic copy from: [emissions@leonardoacademy.org](mailto:emissions@leonardoacademy.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **NEMA (ASC W1) (National Electrical Manufacturers Association)**

1300 North 17th Street, Rosslyn, VA 22209 | [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org), [www.nema.org](http://www.nema.org)

#### ***Reaffirmation***

BSR/NEMA/IEC 60974-1-2019 (R202x), Arc Welding Equipment - Part 1: Welding Power Sources (reaffirmation of ANSI/NEMA/IEC 60974-1-2019)

This part of IEC 60974 is applicable to power sources for arc welding and allied processes designed for industrial and professional use, and supplied by a voltage not exceeding 1000 V, battery supplied or driven by mechanical means. This document specifies safety and performance requirements of welding power sources and plasma cutting systems.

Single copy price: \$174.00

Obtain an electronic copy from: [khaled.masri@nema.org](mailto:khaled.masri@nema.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Khaled Masri <[Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)>

### **RVIA (Recreational Vehicle Industry Association)**

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | [treamer@rvia.org](mailto:treamer@rvia.org), [www.rvia.org](http://www.rvia.org)

#### ***Revision***

BSR/RVIA EXTLAD-1-202x, Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (revision of ANSI/RVIA EXTLAD-1-2019)

The purpose of this standard of laboratory test procedures shall provide minimum safety criteria through uniform testing regarding capacity rating and performance attributes for exterior ladders installed and used on recreational vehicles in order to enhance safety for users.

Single copy price: Free

Obtain an electronic copy from: [treamer@rvia.org](mailto:treamer@rvia.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Tyler Reamer <[treamer@rvia.org](mailto:treamer@rvia.org)>

## Comment Deadline: September 11, 2023

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Vickie.T.Hinton@ul.org](mailto:Vickie.T.Hinton@ul.org), <https://ulse.org/>

#### **Reaffirmation**

BSR/UL 60079-29-1-2019 (R202x), Standard for Safety for Explosive Atmospheres - Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases (reaffirmation of ANSI/UL 60079-29-1-2019) Reaffirmation and continuance of the Second Edition of the Standard for Safety for Explosive Atmospheres – Part 29-1: Gas Detectors - Performance Requirements of Detectors for Flammable Gases, UL 60079-29-1, as an standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Home/ProposalsDefault.aspx>

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Nicolette.A.Weeks@ul.org](mailto:Nicolette.A.Weeks@ul.org), <https://ulse.org/>

#### **Revision**

BSR/UL 199-202x, Standard for Safety for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2022a)

The following changes in requirements are being proposed for review: (1) Flexible Dry Type Sprinklers and Sprinkler with Integral Flexible Hose; (2) Editorial and Clarification Type Revisions; (3) ADD Testing in Lieu of Large-Scale Fire Testing for the Nominal K-22.4 and K-25.2 Pendent ESFR Sprinklers at the 30 ft. Ceiling Height.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: [Nicolette.a.weeks@ul.org](mailto:Nicolette.a.weeks@ul.org)

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Julio.Morales@UL.org](mailto:Julio.Morales@UL.org), <https://ulse.org/>

#### **Revision**

BSR/UL 676-202x, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes (revision of ANSI/UL 676-2019)

This proposal for UL 676 covers: (1) Scope clarifications, (2) Glossary updates, (3) Non-metallic housings, (4) Flexible cord, (5) Cord connectors. (6) Grounding exception for non-metallic housings and brackets, (7) Integral overheating protection, (8) Temperature Test, (9) Water Leakage Test, (10) Dielectric Withstand Test, (11) Impact Test, (12) Markings and instructions,

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: September 11, 2023

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | [Megan.M.VanHeirseele@ul.org](mailto:Megan.M.VanHeirseele@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1989-202x, Standard for Safety for Standby Batteries (revision of ANSI/UL 1989-2018)

1. The proposed 6th edition of UL 1989 including the expansion of the scope to cover valve regulated or vented batteries for mobile application.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: September 26, 2023

### CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### Reaffirmation

BSR/CSA NGV 4.4-2021 (R202x), Breakaway devices for natural gas dispensing hoses and systems (reaffirmation of ANSI/CSA NGV 4.4-2021)

This Standard applies to newly produced compressed natural gas vehicle (NGV) dispenser fueling hose emergency main line breakaway devices and vent line breakaway devices, herein to be referred to as devices. Main line breakaway devices covered by this Standard are intended to: minimize the escape of natural gas by automatically shutting off the flow of gas from the dispenser and control the depressurization of the downstream hose; and separate the fueling hoses attached to the vehicle from the dispenser during an unintended drive-off event. Vent line breakaway devices covered by this Standard are intended to separate the vent line hose attached to the vehicle from the dispenser during an unintended drive-off event.

Single copy price: Free

Order from: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### Reaffirmation

BSR/CSA NGV 4.6-2020 (R202x), Manually operated valves for natural gas dispensing systems (reaffirmation of ANSI/NGV 4.6a-2021, ANSI/CSA NGV 4.6-2020)

These requirements apply to manually operated valves for compressed natural gas. These requirements do not apply to cylinder shut-off valves.

Single copy price: Free

Order from: [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: September 26, 2023

### CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

#### Reaffirmation

BSR/CSA NGV 4.7-2020 (R202x), Automatically pressure operated valves for natural gas dispensing systems (reaffirmation of ANSI/CSA NGV 4.7-2020)

The requirements of this Standard apply to automatic valves used in compressed natural gas dispensing systems as: Pneumatically actuated ball, needle/globe valves, Excess flow valves, diaphragm valves, dome load valves, and emergency shutdown valves (ESD). The requirements of this Standard do not apply to Electrically actuated valves (Refer to UL 429, UL 1203, CSA C22.2 No. 139, or equivalent safety levels), hydraulically actuated valves (not utilized in NGV fuelling) Pressure relief valves, or pressure regulating valves.

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### ULSE (UL Standards & Engagement)

41713 Benicia Street, Fremont, CA 94538 | [Marcia.M.Kawate@ul.org](mailto:Marcia.M.Kawate@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 25-202x, Standard for Safety for Meters for Flammable and Combustible Liquids and LP-Gas (revision of ANSI/UL 25-2023)

The following topic is being proposed: (1) Clarification of low temperature test for composite elastomeric parts.

Single copy price: Free

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | [Leslie.Malaki@ul.org](mailto:Leslie.Malaki@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 110-202x, Standard for Sustainability for Mobile Phones (revision of ANSI/UL 110-2018)

This Standard is designed to reduce adverse environmental and social impacts associated with the design, manufacture, use, and end-of-life management of mobile phones. Prior to establishment of this Standard, there were various criteria to define the sustainability of mobile phones; however, they were not coordinated or combined into a set of metrics. The goal of this Standard is to establish a set of multi-sustainability performance criteria addressing the life-cycle impacts of the product that may be used to evaluate the sustainability performance of mobile phones.

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Order from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Comment Deadline: September 26, 2023

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 510-202x, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (revision of ANSI/UL 510-2022)

This revision of ANSI/UL 510 is a clarification to result recording – Dielectric.

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### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 510A-202x, Standard for Safety for Component Tapes (revision of ANSI/UL 510A-2022)

This is a revision to UL 510A Table 5.1 and result recording clarifications.

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [griff.edwards@ul.org](mailto:griff.edwards@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1256-202x, Standard for Fire Test of Roof Deck Constructions (revision of ANSI/UL 1256-2013 (R2018))

1. Editorial new edition of UL 1256.

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>



## Comment Deadline: September 26, 2023

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709 | [anna.roessing-zewe@ul.org](mailto:anna.roessing-zewe@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 1638-202x, Standard for Safety for Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1638-2023)

1.1 This Standard applies to visual signaling devices intended for indoor and/or outdoor installation: (a) In Canada only: in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; and with ULC-S524, Standard for Installation of Fire Alarm Systems; (b) In the United States only: in accordance with the National Electrical Code, NFPA 70, and the National Fire Alarm and Signaling Code, NFPA 72.

1.2 These requirements cover visible signal devices for use in ordinary (non-hazardous) indoor locations and outdoor locations. This includes: (a) Flashing visual devices used for fire alarm or emergency signaling in both public mode and private mode as defined in the glossary; (b) Emergency warning used to notify occupants that an emergency exists; and (c) Informative type visual signaling devices connected to or controlled by fire alarm or other emergency signaling system equipment, or both. 1.3 This Standard also applies to protective covers and accessories used with visible signals. 1.4 This Standard does not apply to visual signaling devices not intended for emergency signaling applications and intended for operation on Class 2 signal circuits as defined in: (a) In Canada only: CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; (b) In the United States only: the National Electrical Code, NFPA 70.

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

## Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to ([psa@ansi.org](mailto:psa@ansi.org)).

### AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | [tkim@aami.org](mailto:tkim@aami.org), [www.aami.org](http://www.aami.org)

#### New Technical Report

AAMI/ISO TIR21387, Sterilization of health care products - Guidance on the requirements for the validation and routine processing of ethylene oxide sterilization processes using parametric release (technical report)

Provides guidance on the requirements of ISO 11135 that apply when parametric release is used to release the product after exposure to the sterilization process. Provides a path for transition of existing cycles, as well as a path for the development and implementation of a parametric release specification for a new cycle. Highlights the importance and interrelationship of other process factors, i.e., load configuration and equipment performance, which influence reproducibility of an ethylene oxide (EO) sterilization process.

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Thomas Kim <[tkim@aami.org](mailto:tkim@aami.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.

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## **A3 (Association for Advancing Automation)**

900 Victors Way, Suite 140, Ann Arbor, MI 48108-5210 | [cfranklin@automate.org](mailto:cfranklin@automate.org), [www.automate.org/robotics](http://www.automate.org/robotics)

ANSI/A3 R15.08-2-2023, Industrial Mobile Robots - Safety Requirements - Part 2: Requirements for IMR system(s) and IMR application(s) (new standard) Final Action Date: 7/18/2023 | *New Standard*

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

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | [aboutaleb@agma.org](mailto:aboutaleb@agma.org), [www.americanbearings.org](http://www.americanbearings.org)

ANSI ABMA 8.2-2023, Ball and Roller Bearing Mounting Accessories Inch Design (revision of ANSI/ABMA 8.2-1999 (S2020)) Final Action Date: 7/19/2023 | *Revision*

## **ANS (American Nuclear Society)**

555 North Kensington Avenue, La Grange Park, IL 60526 | [kmurdoch@ans.org](mailto:kmurdoch@ans.org), [www.ans.org](http://www.ans.org)

ANSI/ANS 3.4-2013 (R2023), Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013 (R2018)) Final Action Date: 7/19/2023 | *Reaffirmation*

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

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | [standards@acousticalsociety.org](mailto:standards@acousticalsociety.org), [www.acousticalsociety.org](http://www.acousticalsociety.org)

ANSI ASA S3.71 (R2023), Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (reaffirmation of ANSI/ASA S3.71-2019) Final Action Date: 7/20/2023 | *Reaffirmation*

ANSI/ASA S3.47-2014 (R2023), Specification of Performance Measurement of Hearing Assistance Devices/Systems (reaffirmation of ANSI/ASA S3.47-2014 (R2019)) Final Action Date: 7/20/2023 | *Reaffirmation*

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

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

ANSI/ASME B30.25-2023 (R2023), Scrap and Material Handlers (reaffirmation of ANSI/ASME B30.25-2018) Final Action Date: 7/17/2023 | *Reaffirmation*

ANSI/ASME B18.24-2023, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products (revision of ANSI/ASME B18.24-2020) Final Action Date: 7/21/2023 | *Revision*

ANSI/ASME B31J-2023, Stress Intensification Factors (i-Factors), Flexibility Factors (k-Factors), and Their Determination for Metallic Piping Components (revision of ANSI/ASME B31J-2017) Final Action Date: 7/17/2023 | *Revision*

ANSI/ASME B31P-2023, Standard Heat Treatment for Piping (revision of ANSI/ASME B31P-2017) Final Action Date: 7/21/2023 | *Revision*

## **AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [mdiaz@aws.org](mailto:mdiaz@aws.org), [www.aws.org](http://www.aws.org)

ANSI/AWS D17.3/D17.3M-2021-AMD1, Specification for Friction Stir Welding of Aluminum Alloys for Aerospace Applications (revision and redesignation of ANSI/AWS D17.3/D17.3M-2021) Final Action Date: 7/18/2023 | *Revision*

**CSA (CSA America Standards Inc.)**

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | [ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org), [www.csagroup.org](http://www.csagroup.org)

ANSI Z21.41-2023, Quick disconnect devices for use with gas fuel appliances (same as CSA 6.9) (revision and redesignation of ANSI Z21.41-2014 (R2019)) Final Action Date: 7/19/2023 | *Revision*

**HPVA (Hardwood Plywood Veneer Association)**

42777 Trade West Drive, Sterling, VA 20166 | [Jhosen@decorativehardwoods.org](mailto:Jhosen@decorativehardwoods.org), [www.DecorativeHardwoods.org](http://www.DecorativeHardwoods.org) □

ANSI/HPVA LTDD 2.0-2023, Due Diligence in Procuring/Sourcing Legal Timber (revision and redesignation of ANSI/ANS LTDD 1.0 2015) Final Action Date: 7/21/2023 | *Revision*

**NEMA (ASC C136) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | [David.Richmond@nema.org](mailto:David.Richmond@nema.org), [www.nema.org](http://www.nema.org)

ANSI C136.30-2023, Roadway and Area Lighting Equipment - Pole Vibration (revision of ANSI C136.30-2015) Final Action Date: 7/20/2023 | *Revision*

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

ANSI/TIA 322-A-2023, Loading, Analysis, and Design Criteria Related to the Installation, Alteration and Maintenance of Communication Structures (revision and redesignation of ANSI/TIA 322-2016) Final Action Date: 7/19/2023 | *Revision*

**ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Tony.Partridge@ul.org](mailto:Tony.Partridge@ul.org), <https://ulse.org/>

ANSI/UL 4248-14-2023, Fuseholders - Part 14: Supplemental Fuseholders (new standard) Final Action Date: 7/21/2023 | *New Standard*

ANSI/UL 399-2023, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2020) Final Action Date: 7/20/2023 | *Revision*

ANSI/UL 486A-486B-2023, Standard for Safety for Wire Connectors (revision of ANSI/UL 486A-486B-2021) Final Action Date: 7/20/2023 | *Revision*

ANSI/UL 746D-2023a, Standard for Safety for Polymeric Materials - Fabricated Parts (revision of ANSI/UL 746D-2023) Final Action Date: 7/20/2023 | *Revision*

ANSI/UL 1322-2023, Standard for Safety for Fabricated Scaffold Planks and Stages (revision of ANSI/UL 1322-2017 (R2023)) Final Action Date: 7/21/2023 | *Revision*

ANSI/UL 1468-2023, Standard for Direct Acting Pressure Reducing and Pressure Restricting Valves (revision of ANSI/UL 1468-2018) Final Action Date: 7/19/2023 | *Revision*

ANSI/UL 2442-2023a, Standard for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2023) Final Action Date: 7/20/2023 | *Revision*

ANSI/UL 2703-2023, Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules (revision of ANSI/UL 2703-2021) Final Action Date: 7/20/2023 | *Revision*

ANSI/UL 60730-2-14-2023, Automatic Electrical Controls; Part 2: Particular Requirements for Electric Actuators (revision of ANSI/UL 60730-2-14-2021) Final Action Date: 7/19/2023 | *Revision*

# Call for Members (ANS Consensus Bodies)

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

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## ANSI Accredited Standards Developer

### 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.

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- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

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

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

## ANSI Accredited Standards Developer

### AHRI - Air-Conditioning, Heating, and Refrigeration Institute

#### AHRI Consensus Bodies seeking Regulatory Agency Interest Category Representation

- AHRI Applied Consensus Body - Applicable AHRI Standards (an edition is a current ANS or proposed ANS, and is of interest to a Regulatory Agency)
  - AHRI Standard 1550 (SI/I-P), Performance Rating of Liquid-Chilling and Heat Pump Liquid-Heating Packages Using the Vapor Compression Cycle
  - AHRI Standard 920 (I-P), Performance Rating of DX-dedicated Outdoor Air System Units
- AHRI Heating Consensus Body - Applicable AHRI Standards
  - AHRI Standard 1160 (I-P), Performance Rating of Heat Pump Pool Heaters
  - AHRI Standard 1400, Indirect Fired Water Heater Ratings
  - AHRI Standard 1500 (SI), Method to Determine Efficiency of Commercial Space Heating Boilers
- AHRI Multi-sector Consensus Body - Applicable AHRI Standard
  - AHRI Standard 110 (SI/I-P), Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages
- AHRI Refrigeration Consensus Body - Applicable AHRI Standards
  - AHRI Standard 1200 (I-P), Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets
  - AHRI Standard 1250 (I-P), Performance Rating of Walk-in Coolers and Freezers
  - AHRI Standard 810 (SI/I-P), Performance Rating of Automatic Commercial Ice-Makers
- AHRI Unitary Consensus Body - Applicable AHRI Standards
  - AHRI Standard 310/380 (SI/I-P), Packaged Terminal Air-conditioners and Heat Pumps
  - AHRI Standard 390 (I-P), Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps
  - AHRI Standard 1230 (I-P), Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment
  - AHRI Standard 210/240 (I-P), Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment
  - AHRI Standard 600 (I-P), Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment

Application process: Applicants should send their name, resume, Interest Category, and which AHRI Consensus Body(ies) they are interested in to [AHRI\\_Standards@ahrinet.org](mailto:AHRI_Standards@ahrinet.org). The contact person for questions should be Karl Best [kbest@ahrinet.org](mailto:kbest@ahrinet.org) 703-293-4887. More info: <https://www.ahrinet.org/standards/how-participate>

AHRI Consensus Bodies are composed of experts, both AHRI members and non-members, who provide the final review and approval to publish an approved AHRI standard as an American National Standard. Each Consensus Body has eight to 12 members. Employment by an AHRI member company is not required for membership in the Consensus Body. A balance of interests is required among the Consensus Body membership. As such, AHRI invites and welcomes participation by a broad range of stakeholder interests, especially those outside of AHRI's membership which is primarily

## ANSI Accredited Standards Developer

### CRRC - Cool Roof Rating Council

#### September 22, 2023 Deadline

The CRRC is accepting applications for the Consensus Body until September 22, 2023. Interested applicants can download the application forms at <https://coolroofs.org/resources/ansi-crrc-s100> or email [sarah@coolroofs.org](mailto:sarah@coolroofs.org) with questions.

## ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME PTC 11-202x, Fans (revision of ANSI/ASME PTC 11-2008 (R2018))

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

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME VVUQ 90-202x, Airframe Structure Modeling & Simulation Credibility Assurance Framework (new standard)

**ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [TFisher@ASSP.org](mailto:TFisher@ASSP.org), [www.assp.org](http://www.assp.org)

BSR/ASSP A10.18-202X, Safety Requirements for Temporary Roof and Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges in Construction and Demolition Operations (new standard)

**ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [TFisher@ASSP.org](mailto:TFisher@ASSP.org), [www.assp.org](http://www.assp.org)

BSR/ASSP A10.23-202X, Safety Requirements for the Installation of Drilled Shafts (revision and redesignation of ANSI/ASSP A10.23-2019)

**ASSP (ASC A10) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [TFisher@ASSP.org](mailto:TFisher@ASSP.org), [www.assp.org](http://www.assp.org)

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSP A10.25-2023)

**ASSP (Safety) (American Society of Safety Professionals)**

520 N. Northwest Highway, Park Ridge, IL 60068 | [TFisher@ASSP.org](mailto:TFisher@ASSP.org), [www.assp.org](http://www.assp.org)

BSR/ASSP A10.4-202X, Safety Requirements for Personnel Hoists & Employee Elevators for Use on Construction and Demolition Sites (revision, redesignation and consolidation of ANSI/ASSE A10.4-2016, ANSI/ASSE A10.22-2007 (R2017))

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

BSR ATIS 1000607-2014 (R202x), Integrated Services Digital Network (ISDN) - Layer 3 Signaling Specification for Circuit Switched Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) (reaffirmation of ANSI ATIS 1000607-2014)

**ATIS (Alliance for Telecommunications Industry Solutions)**

1200 G Street NW, Suite 500, Washington, DC 20005 | [akarditzas@atis.org](mailto:akarditzas@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 1000055-2013 (S202x), Emergency Telecommunications Service (ETS): Core Network Security Requirements (stabilized maintenance of ANSI/ATIS 1000055-2013 (R2018))

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.5/A5.5M-202x, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2022)

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.25/A5.25M-202x, Specification for Carbon and Low-Alloy Steel Electrodes and Fluxes for Electroslag Welding (revision of ANSI/AWS A5.25/A5.25M-2023)

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.30/A5.30M-202x, Specification for Consumable Inserts (revision of ANSI/AWS A5.30/A5.30M-2022)

**AWS (American Welding Society)**

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | [kbulger@aws.org](mailto:kbulger@aws.org), [www.aws.org](http://www.aws.org)

BSR/AWS A5.9/A5.9M (ISO 14343-202x MOD), Specification for Bare Stainless Steel Welding Electrodes and Rods (national adoption of ISO 14343:2017 with modifications and revision of ANSI/AWS A5.9/A5.9M-2022 (ISO 14343-2017 MOD))

**CTA (Consumer Technology Association)**

1919 South Eads Street, Arlington, VA 22202 | [cakers@cta.tech](mailto:cakers@cta.tech), [www.cta.tech](http://www.cta.tech)

BSR/CTA 2042.3 R-2018 (R202x), Methods of Measurement for Power Transfer Efficiency and Standby Power of Wireless Power Systems (reaffirmation of ANSI/CTA 2042.3-2018)

**ISA (International Society of Automation)**

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | [crobinson@isa.org](mailto:crobinson@isa.org), [www.isa.org](http://www.isa.org)

BSR/ISA 96.03.02-202x, Guidelines for the Specification of Pneumatic Rack and Pinion Valve Actuators (revision of ANSI/ISA 96.03.02-2015)

**ISA (International Society of Automation)**

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | [crobinson@isa.org](mailto:crobinson@isa.org), [www.isa.org](http://www.isa.org)

BSR/ISA 96.03.03-202x, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

BSR INCITS 583-202x, Information Technology - Fibre Channel-Link Services - 6 (FC-LS-6) (new standard)

**NECA (National Electrical Contractors Association)**

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | [Kyle.Krueger@necanet.org](mailto:Kyle.Krueger@necanet.org), [www.neca-neis.org](http://www.neca-neis.org)

BSR/NECA 1-202X, Standard for Good Workmanship in Electrical Construction (revision of ANSI/NECA 1-2023)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 101-202x, Solar and Energy Storage Supply Chain Traceability Standard (new standard)



**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 201-202x, Solar and Energy Storage Installation Requirements Standard: Residential Systems (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 202-202x, Solar and Energy Storage Installation Requirements Standard: Residential Systems Installer Training (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 251-202x, Solar and Energy Storage Installation Requirements Standard: Commercial & Industrial Systems (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 252-202x, Solar and Energy Storage Installation Requirements Standard: Commercial & Industrial Systems Installer Training (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 301-202x, Solar and Energy Storage Operations and Maintenance Standard: Technician Training (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 401-202x, Solar and Energy Storage Consumer Protection Standard (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 501-202x, Solar and Energy Storage Environmental, Health, and Safety Standard: Installer and Technician Training (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 601-202x, Solar and Energy Storage Equipment Decommissioning Standard (new standard)

**SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 602-202x, Solar Equipment Minimum Requirements for Recyclers (new standard)



### **SEIA (Solar Energy Industries Association)**

1425 K Street, NW, Suite 1000, Washington 20005 | [jmartin@seia.org](mailto:jmartin@seia.org), [www.seia.org](http://www.seia.org)

BSR/SEIA 603-202x, Solar Equipment End-of-Performance / End-of Life Management Standard (new standard)

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

136 Harvey Road, Suite 101, Londonderry, NH 03053 | [rrouse@tcia.org](mailto:rrouse@tcia.org), [www.treecareindustry.org](http://www.treecareindustry.org)

BSR A300-202x, A300 Tree Care Standards (revision, redesignation and consolidation of ANSI A300 Part 1-2017; ANSI A300 Part 2-2018; ANSI A300 Part 3-2013; ANSI A300 Part 4-2014; ANSI A300 Part 5-2019; ANSI A300 Part 6-2012 (R2018); ANSI A300 Part 7-2018; ANSI A300 Part 8-2019; ANSI A300 Part 9-2017; ANSI A300 Part 10-2016)

### **ULSE (UL Standards & Engagement)**

333 Pfingsten Road, Northbrook, IL 60062-2096 | [Leslie.Malaki@ul.org](mailto:Leslie.Malaki@ul.org), <https://ulse.org/>

BSR/UL 110-202x, Standard for Sustainability for Mobile Phones (revision of ANSI/UL 110-2018)

### **ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [griff.edwards@ul.org](mailto:griff.edwards@ul.org), <https://ulse.org/>

BSR/UL 1256-202x, Standard for Fire Test of Roof Deck Constructions (revision of ANSI/UL 1256-2013 (R2018))

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

929 W. Portobello Avenue, Mesa, AZ 85210 | [jing.kwok@vita.com](mailto:jing.kwok@vita.com), [www.vita.com](http://www.vita.com)

BSR/VITA 48.5-202x, Mechanical Standard for Electronic Plug-in units Using Air Flow Through Cooling (revision of ANSI/VITA 48.5-R2010 (R2017))

# American National Standards (ANS) Announcements

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## National Electric Safety Code

### Fast Track Amendment Approval by NESC (C2) Main Committee

The Proposed Fast Track Amendment published in ANSI Standards Action on July 24, 2022 for comments has been approved by the NESC Main Committee.

Contact:

NESC (C2) (National Electric Safety Code)

Contact: Jennifer Santulli, +1 732 562 3874, [nesc-support@ieee.org](mailto:nesc-support@ieee.org)

445 Hoes Lane, Piscataway, NJ 08854

### Fast Track Amendment

National Electrical Safety Code (NESC C2-2023),

Part 1, Definition - Lines, Communications, Approved July 10, 2023

Part 1, Definition - Lines, Communications, Approved July 10, 2023

Rule: 224B2a, Approved July 10, 2023

Rule: 344A1, Approved July 10, 2023

# American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://www.ansi.org)) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is [www.ansi.org/asd](http://www.ansi.org/asd) and here are some direct links as well as highlights of information that is available:

## Where to find Procedures, Guidance, Interpretations and More...

### Please visit ANSI's website ([www.ansi.org](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):  
[www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):  
[www.ansi.org/standardsaction](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS):  
[www.ansi.org/sdoaccreditation](http://www.ansi.org/sdoaccreditation)
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):  
[www.ansi.org/asd](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:  
[www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps:  
[www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value:  
[www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers:  
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):  
<https://ibr.ansi.org/>
- ANSI - Education and Training:  
[www.standardstolearn.org](http://www.standardstolearn.org)

# American National Standards Under Continuous Maintenance

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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)  
AARST (American Association of Radon Scientists and Technologists)  
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 (Green Building Initiative)  
HL7 (Health Level Seven)  
Home Innovation (Home Innovation Research Labs)  
IES (Illuminating Engineering Society)  
ITI (InterNational Committee for Information Technology Standards)  
MHI (Material Handling Industry)  
NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)  
NCPDP (National Council for Prescription Drug Programs)  
NEMA (National Electrical Manufacturers Association)  
NFRC (National Fenestration Rating Council)  
NISO (National Information Standards Organization)  
NSF (NSF International)  
PRCA (Professional Ropes Course Association)  
RESNET (Residential Energy Services Network, Inc.)  
SAE (SAE International)  
TCNA (Tile Council of North America)  
TIA (Telecommunications Industry Association)  
TMA (The Monitoring Association)  
ULSE (UL Standards & Engagement)

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](http://www.ansi.org/asd), select "American National Standards Maintained Under Continuous Maintenance." Questions? [psa@ansi.org](mailto:psa@ansi.org).

# ANSI-Accredited Standards Developers (ASD) Contacts

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at [psa@ansi.org](mailto:psa@ansi.org).

## A3

Association for Advancing Automation  
900 Victors Way, Suite 140  
Ann Arbor, MI 48108  
[www.automate.org/robotics](http://www.automate.org/robotics)  
Carole Franklin  
[cfranklin@automate.org](mailto:cfranklin@automate.org)

## AAFS

American Academy of Forensic Sciences  
410 North 21st Street  
Colorado Springs, CO 80904  
[www.aafs.org](http://www.aafs.org)  
Teresa Ambrosius  
[tambrosius@aafs.org](mailto:tambrosius@aafs.org)

## AAMI

Association for the Advancement of  
Medical Instrumentation  
901 N. Glebe Road, Suite 300  
Arlington, VA 22203  
[www.aami.org](http://www.aami.org)  
Thomas Kim  
[tkim@aami.org](mailto:tkim@aami.org)

## ABMA (ASC B3)

American Bearing Manufacturers  
Association  
1001 N. Fairfax Street, Suite 500  
Alexandria, VA 22314  
[www.americanbearings.org](http://www.americanbearings.org)  
Amir Aboutaleb  
[aboutaleb@agma.org](mailto:aboutaleb@agma.org)

## ANS

American Nuclear Society  
555 North Kensington Avenue  
La Grange Park, IL 60526  
[www.ans.org](http://www.ans.org)  
Kathryn Murdoch  
[kmurdoch@ans.org](mailto:kmurdoch@ans.org)

## ASA (ASC S3)

Acoustical Society of America  
1305 Walt Whitman Road, Suite 300  
Melville, NY 11747  
[www.acousticalsociety.org](http://www.acousticalsociety.org)  
Raegan Ripley  
[standards@acousticalsociety.org](mailto:standards@acousticalsociety.org)

## ASC X9

Accredited Standards Committee X9,  
Incorporated  
275 West Street, Suite 107  
Annapolis, MD 21401  
[www.x9.org](http://www.x9.org)  
Ambria Calloway  
[Ambria.Calloway@X9.org](mailto:Ambria.Calloway@X9.org)

## ASHRAE

American Society of Heating, Refrigerating  
and Air-Conditioning Engineers, Inc.  
180 Technology Parkway  
Peachtree Corners, GA 30092  
[www.ashrae.org](http://www.ashrae.org)  
Emily Toto  
[etoto@ashrae.org](mailto:etoto@ashrae.org)  
Thomas Loxley  
[tloxley@ashrae.org](mailto:tloxley@ashrae.org)

## ASME

American Society of Mechanical Engineers  
Two Park Avenue, 6th Floor  
New York, NY 10016  
[www.asme.org](http://www.asme.org)  
Maria Acevedo  
[ansibox@asme.org](mailto:ansibox@asme.org)

## ASME

American Society of Mechanical Engineers  
Two Park Avenue, M/S 6-2B  
New York, NY 10016  
[www.asme.org](http://www.asme.org)  
Terrell Henry  
[ansibox@asme.org](mailto:ansibox@asme.org)

## ASSP (Safety)

American Society of Safety Professionals  
520 N. Northwest Highway  
Park Ridge, IL 60068  
[www.assp.org](http://www.assp.org)  
Tim Fisher  
[TFisher@ASSP.org](mailto:TFisher@ASSP.org)

## ATIS

Alliance for Telecommunications Industry  
Solutions  
1200 G Street NW, Suite 500  
Washington, DC 20005  
[www.atis.org](http://www.atis.org)  
Anna Karditzas  
[akarditzas@atis.org](mailto:akarditzas@atis.org)

## AWS

American Welding Society  
8669 NW 36th Street, Suite 130  
Miami, FL 33166  
[www.aws.org](http://www.aws.org)  
Kevin Bulger  
[kbulger@aws.org](mailto:kbulger@aws.org)  
Mario Diaz  
[mdiaz@aws.org](mailto:mdiaz@aws.org)

## AWWA

American Water Works Association  
6666 W. Quincy Avenue  
Denver, CO 80235  
[www.awwa.org](http://www.awwa.org)  
Paul Olson  
[polson@awwa.org](mailto:polson@awwa.org)

## CSA

CSA America Standards Inc.  
8501 East Pleasant Valley Road  
Cleveland, OH 44131  
[www.csagroup.org](http://www.csagroup.org)  
Debbie Chesnik  
[ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)

## CTA

Consumer Technology Association  
1919 South Eads Street  
Arlington, VA 22202  
[www.cta.tech](http://www.cta.tech)  
Catrina Akers  
[cakers@cta.tech](mailto:cakers@cta.tech)

## HPVA

Hardwood Plywood Veneer Association  
42777 Trade West Drive  
Sterling, VA 20166  
[www.DecorativeHardwoods.org](http://www.DecorativeHardwoods.org)  
Joshua Hosen  
[Jhosen@decorativehardwoods.org](mailto:Jhosen@decorativehardwoods.org)

## IEEE

Institute of Electrical and Electronics  
Engineers  
445 Hoes Lane  
Piscataway, NJ 08854  
[www.ieee.org](http://www.ieee.org)  
Suzanne Merten  
[s.merten@ieee.org](mailto:s.merten@ieee.org)

**IICRC**

The Institute of Inspection, Cleaning and  
Restoration Certification  
4043 South Eastern Avenue  
Las Vegas, NV 89119  
<https://www.iicrc.org>

Mili Washington  
[mwashington@iicrcnet.org](mailto:mwashington@iicrcnet.org)

**ISA (Organization)**

International Society of Automation  
3252 S. Miami Blvd, Suite 102  
Durham, NC 27703  
[www.isa.org](http://www.isa.org)

Charley Robinson  
[crobinson@isa.org](mailto:crobinson@isa.org)

**ITI (INCITS)**

InterNational Committee for Information  
Technology Standards  
700 K Street NW, Suite 600  
Washington, DC 20001  
[www.incits.org](http://www.incits.org)

Rachel Porter  
[comments@standards.incits.org](mailto:comments@standards.incits.org)

**ITSDF**

Industrial Truck Standards Development  
Foundation, Inc.  
1750 K Street NW, Suite 460  
Washington, DC 20006  
[www.indtrk.org](http://www.indtrk.org)

Christopher Merther  
[chris.merther@itsdf.org](mailto:chris.merther@itsdf.org)

**LEO**

Leonardo Academy Inc.  
8401 Excelsior Drive  
Madison, WI 53717  
[www.leonardoacademy.org](http://www.leonardoacademy.org)

Evan Kurschner  
[tracy@leonardoacademy.org](mailto:tracy@leonardoacademy.org)

**NECA**

National Electrical Contractors Association  
1201 Pennsylvania Avenue, Suite 1200  
Washington, DC 20004  
[www.neca-neis.org](http://www.neca-neis.org)

Kyle Krueger  
[Kyle.Krueger@necanet.org](mailto:Kyle.Krueger@necanet.org)

**NEMA (ASC C136)**

National Electrical Manufacturers  
Association  
1300 North 17th Street, Suite 900  
Rosslyn, VA 22209  
[www.nema.org](http://www.nema.org)

David Richmond  
[David.Richmond@nema.org](mailto:David.Richmond@nema.org)

**NEMA (ASC C137)**

National Electrical Manufacturers  
Association  
1300 N 17th Street, Suite 900  
Rosslyn, VA 22209  
[www.nema.org](http://www.nema.org)

Michael Erbesfeld  
[Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)

**NEMA (ASC W1)**

National Electrical Manufacturers  
Association  
1300 North 17th Street  
Rosslyn, VA 22209  
[www.nema.org](http://www.nema.org)

Khaled Masri  
[Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org)

**RVIA**

Recreational Vehicle Industry Association  
2465 J-17 Centreville Road, #801  
Herndon, VA 20171  
[www.rvia.org](http://www.rvia.org)

Tyler Reamer  
[treamer@rvia.org](mailto:treamer@rvia.org)

**SCTE**

Society of Cable Telecommunications  
Engineers  
140 Philips Road  
Exton, PA 19341  
[www.scte.org](http://www.scte.org)

Natasha Aden  
[naden@scte.org](mailto:naden@scte.org)

**SEIA**

Solar Energy Industries Association  
1425 K Street, NW  
Suite 1000, Washington 20005  
[www.seia.org](http://www.seia.org)

Jennifer Martin  
[jmartin@seia.org](mailto:jmartin@seia.org)

**TCIA (ASC A300)**

Tree Care Industry Association  
136 Harvey Road, Suite 101  
Londonderry, NH 03053  
[www.treecareindustry.org](http://www.treecareindustry.org)

Robert Rouse  
[rrouse@tcia.org](mailto:rrouse@tcia.org)

**TIA**

Telecommunications Industry Association  
1320 North Courthouse Road, Suite 200  
Arlington, VA 22201  
[www.tiaonline.org](http://www.tiaonline.org)

Teesha Jenkins  
[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

**ULSE**

UL Standards & Engagement  
100 Queen Street, Suite 1040  
Ottawa, ON K1P 1  
<https://ulse.org/>

Raji Ghandour  
[raji.ghandour@ul.org](mailto:raji.ghandour@ul.org)

**ULSE**

UL Standards & Engagement  
12 Laboratory Drive  
Research Triangle Park, NC 27709  
<https://ulse.org/>

Anna Roessing-Zewe  
[anna.roessing-zewe@ul.org](mailto:anna.roessing-zewe@ul.org)

Doreen Stocker  
[Doreen.Stocker@ul.org](mailto:Doreen.Stocker@ul.org)

Griff Edwards  
[griff.edwards@ul.org](mailto:griff.edwards@ul.org)

Julio Morales  
[Julio.Morales@UL.org](mailto:Julio.Morales@UL.org)

Marina Currie  
[marina.currie@ul.org](mailto:marina.currie@ul.org)

Nicolette Weeks  
[Nicolette.A.Weeks@ul.org](mailto:Nicolette.A.Weeks@ul.org)

Shannon Henesy  
[shannon.henesy@ul.org](mailto:shannon.henesy@ul.org)

Tony Partridge  
[Tony.Partridge@ul.org](mailto:Tony.Partridge@ul.org)

Vickie Hinton  
[Vickie.T.Hinton@ul.org](mailto:Vickie.T.Hinton@ul.org)

**ULSE**

UL Standards & Engagement  
333 Pflingsten Road  
Northbrook, IL 60062  
<https://ulse.org/>

Alan McGrath  
[alan.t.mcgrath@ul.org](mailto:alan.t.mcgrath@ul.org)

Leslie Malaki  
[Leslie.Malaki@ul.org](mailto:Leslie.Malaki@ul.org)

Megan Monsen  
[megan.monsen@ul.org](mailto:megan.monsen@ul.org)

Megan Van Heirseel  
[Megan.M.VanHeirseel@ul.org](mailto:Megan.M.VanHeirseel@ul.org)

Mitchell Gold  
[mitchell.gold@ul.org](mailto:mitchell.gold@ul.org)

Susan Malohn  
[Susan.P.Malohn@ul.org](mailto:Susan.P.Malohn@ul.org)

**ULSE**

UL Standards & Engagement  
47173 Benicia Street  
Fremont, CA 94538  
<https://ulse.org/>

Derrick Martin  
Derrick.L.Martin@ul.org

Marcia Kawate  
Marcia.M.Kawate@ul.org

**VITA**

VMEbus International Trade Association  
(VITA)  
929 W. Portobello Avenue  
Mesa, AZ 85210  
[www.vita.com](http://www.vita.com)

Jing Kwok  
jing.kwok@vita.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](mailto:isot@ansi.org)); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices ([tzertuche@ansi.org](mailto: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](mailto:sales@ansi.org). When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

## ISO Standards

### Building environment design (TC 205)

ISO/DIS 16484-2, Building automation and control systems (BACS) - Part 2: Hardware - 10/12/2023, \$67.00

### Footwear (TC 216)

ISO/DIS 20686, Footwear - Critical substances potentially present in footwear and footwear components - Determination of certain organic solvents - 10/8/2023, \$58.00

### Freight containers (TC 104)

ISO/DIS 830, Freight containers - Vocabulary - 10/8/2023, \$82.00

### Optics and optical instruments (TC 172)

ISO/DIS 15004-2, Ophthalmic instruments - Fundamental requirements and test methods - Part 2: Light hazard protection - 10/5/2023, \$125.00

### Plastics (TC 61)

ISO/DIS 16623, Plastics - Optimized intertidal seawater and sediment preparation for marine biodegradation testing of plastics - 10/8/2023, \$77.00

### Road vehicles (TC 22)

ISO/DIS 2958, Road vehicles - Exterior protection for passenger cars - 10/8/2023, \$40.00

ISO/DIS 8092-6, Road vehicles - Connections for on-board electrical wiring harnesses - Part 6: In-vehicle Ethernet, general performance requirements and interface definitions - 10/12/2023, \$175.00

ISO/DIS 11451-1.2, Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 1: General principles and terminology - 7/27/2023, \$107.00

### Ships and marine technology (TC 8)

ISO/DIS 28701, Ships and marine technology - Safety and sustainability management systems in commercial shipping on inland waterways - Requirements with guidance for use - 10/6/2023, \$98.00

ISO/DIS 8933-2, Ships and marine technology - Energy efficiency - Part 2: Energy efficiency of maritime functional systems - 10/8/2023, \$155.00

ISO/DIS 28005-1, Ships and marine technology - Electronic port clearance (EPC) - Part 1: Message structures and application programming interfaces - 10/9/2023, \$155.00

### Solid mineral fuels (TC 27)

ISO/DIS 687, Coke - Determination of moisture in the general analysis test sample - 10/9/2023, \$40.00

ISO/DIS 17246, Coal and Coke - Proximate analysis - 10/12/2023, \$33.00

### Terminology (principles and coordination) (TC 37)

ISO/DIS 24617-10, Language resource management - Semantic annotation framework (SemAF) - Part 10: Visual information - 10/9/2023, \$82.00

### ISO/IEC JTC 1, Information Technology

ISO/IEC 27013:2021/DAMd 1, - Amendment 1: Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - Amendment 1 - 10/8/2023, \$33.00



ISO/IEC 19763-3:2020/DAMd 1, - Amendment 1: Information technology - Metamodel framework for interoperability (MFI) - Part 3: Metamodel for ontology registration - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 - 10/9/2023, \$29.00

ISO/IEC 19763-6:2015/DAMd 1, - Amendment 1: Information technology - Metamodel framework for interoperability (MFI) - Part 6: Registry Summary - Amendment 1: Alignment with Edition 4 of ISO/IEC 11179-3 - 10/9/2023, \$33.00

ISO/IEC DIS 9899, Information technology - Programming languages - C - 10/7/2023, \$301.00

ISO/IEC DIS 18031, Information technology - Security techniques - Random bit generation - 10/5/2023, \$155.00

ISO/IEC DIS 27019, Information technology - Security techniques - Information security controls for the energy utility industry - 10/5/2023, \$112.00

ISO/IEC DIS 18042-5, Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 5: C++ - 10/12/2023, \$29.00

ISO/IEC DIS 23090-24, Information technology - Coded representation of immersive media - Part 24: Conformance and reference software for scene description - 10/9/2023, \$62.00

## IEC Standards

### Electric cables (TC 20)

20/2112/CDV, IEC 60287-2-3 ED2: Electric cables - Calculation of the current rating - Part 2-3: Thermal resistance - Cables installed in ventilated tunnels, 10/13/2023

### Electrical accessories (TC 23)

23K/88/NP, PNW 23K-88 ED1: Particular requirements for Switching Device For Islanding, 10/13/2023

### Electrical apparatus for explosive atmospheres (TC 31)

31J/345/FDIS, IEC 60079-17 ED6: Explosive atmospheres - Part 17: Electrical installations inspection and maintenance, 09/01/2023

31/1716/DTS, IEC 60079-44: Explosive atmospheres - Part 44 - Personal Competence, 09/15/2023

31J/347/DTS, IEC TS 60079-48 ED1: Explosive atmospheres - Part 48 - Portable or Personal Electronic Equipment - Guide for the use of equipment without a certificate for use in Hazardous Areas, 09/15/2023

### Electrical Energy Storage (EES) Systems (TC 120)

120/321/CDV, IEC 62933-1 ED2: Electrical energy storage (EES) systems - Part 1: Vocabulary, 10/13/2023

120/328/CD, IEC 62933-3-1 ED1: Electrical energy storage (EES) systems - Part 3-1: Planning and performance assessment of electrical energy storage systems - General specification, 10/13/2023

### Electrical installations of buildings (TC 64)

64/2634/CD, IEC TR 61200-201 ED1: Application guides complying with IEC 60364 - Asynchronous motor starting and protection, 11/10/2023

### Electromagnetic compatibility (TC 77)

77/596/NP, PNW TS 77-596 ED1: Electromagnetic compatibility (EMC) - Part 1-6: General - Guide to the evaluation of measurement uncertainty, 10/13/2023

### Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/3058/FDIS, IEC 60512-99-003 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 99-003: Endurance test schedules - Test 99c: Test schedule for balanced single-pair connectors separating (unmating) under electrical load, 09/01/2023

### Environmental conditions, classification and methods of test (TC 104)

104/1018/CD, IEC 60068-2-30 ED4: Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle), 09/15/2023

104/1019/CD, IEC 60068-2-78 ED3: Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state, 09/15/2023

### Environmental standardization for electrical and electronic products and systems (TC 111)

111/714A/CD, IEC 63372 ED1: Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems - Principles, methodologies, requirements and guidance, 09/08/2023

### Fibre optics (TC 86)

86A/2367/FDIS, IEC 60794-1-111 ED1: Optical fibre cables - Part 1-111: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Bend, method E11, 09/01/2023

86A/2368/FDIS, IEC 60794-1-306 ED1: Optical fibre cables - Part 1-306: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon torsion, Method G6, 09/01/2023

86C/1876/CDV, IEC 61280-4-2 ED3: Fibre-optic communication subsystem test procedures - Part 4-2: Installed cable plant - Single-mode attenuation and optical return loss measurement, 10/13/2023

86B/4788/CD, IEC 61300-3-14 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-14: Examinations and measurements - Error and repeatability of the attenuation settings of a variable optical attenuator, 10/13/2023

86C/1882/CD, IEC TR 61282-14 ED3: Fibre optic communication system design guidelines - Part 14: Determination of the uncertainties of attenuation measurements in fibre plants, 10/13/2023

### **Flat Panel Display Devices (TC 110)**

110/1547/FDIS, IEC 62977-3-5 ED1: Electronic displays - Part 3 -5: Evaluation of optical performance - Colour capabilities, 09/01/2023

110/1548/CD, IEC TR 62715-5-61 ED1: Flexible display devices - Part 5-61: Stretchable displays - Overview of measurement and application scenarios, 09/15/2023

110/1546/NP, PNW 110-1546 ED1: Flexible display devices - Part 6-43: Deformation measurement of rollable display, 09/15/2023

### **Fuel Cell Technologies (TC 105)**

105/998/FDIS, IEC 62282-4-202 ED1: Fuel cell technologies - Part 4-202: Fuel cell power systems for propulsion and auxiliary power units - Unmanned aircrafts - Performance test methods, 09/01/2023

### **Industrial-process measurement and control (TC 65)**

65A/1098/CDV, IEC 63303 ED1: Human-Machine Interfaces for Process Automation Systems, 10/13/2023

65E/1028/NP, PNW 65E-1028 ED1: Lifecycle-events: information models and services, 10/13/2023

### **Lamps and related equipment (TC 34)**

34/1065(F)/FDIS, IEC 62386-305 ED1: Digital addressable lighting interface - Part 305: Particular requirements - Input devices - Colour sensor, 08/04/2023

34A/2363(F)/FDIS, IEC 63356-1 ED2: LED light source characteristics - Part 1: Data sheets, 08/04/2023

### **Lightning protection (TC 81)**

81/731/CDV, IEC 62305-2 ED3: Protection against lightning - Part 2: Risk management, 10/13/2023

### **Magnetic alloys and steels (TC 68)**

68/745/CD, IEC 60404-1-1/AMD1 ED1: Amendment 1 - Magnetic materials - Part 1-1: Classification - Surface insulations of electrical steel sheet, strip and laminations, 10/13/2023

### **Power system control and associated communications (TC 57)**

57/2612/CD, IEC TS 61850-80-7 ED1: Communication networks and systems for power utility automation - Part 80-7: Communication services and data model to support IEC 61850 system management, 10/13/2023

### **Rotating machinery (TC 2)**

2/2145/CD, IEC 60034-35 ED1: Rotating electrical machines - Part 35: Technical requirements for electrical sheet metal and strip metal used in electrical machines, 10/13/2023

### **Safety of measuring, control, and laboratory equipment (TC 66)**

66/794/CD, IEC 61010-2-011 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment, 10/13/2023

### **Semiconductor devices (TC 47)**

47/2806/CDV, IEC 63505 ED1: Guidelines for measuring the threshold voltage (VT) of SiC MOSFETs, 10/13/2023

47/2810/NP, PNW 47-2810 ED1: Future IEC XXXXX-1: Semiconductor devices - Neuromorphic devices - Part 1: Evaluation method of basic characteristics in memristor devices, 10/13/2023

47/2811/NP, PNW 47-2811 ED1: Future IEC XXXXX-2: Semiconductor devices - Neuromorphic devices - Part 2: Evaluation method of linearity in memristor devices, 10/13/2023

47/2812/NP, PNW 47-2812 ED1: Future IEC XXXXX-3: Semiconductor devices - Neuromorphic devices - Part 3: Evaluation method of spike dependent plasticity in memristor devices, 10/13/2023

47/2813/NP, PNW 47-2813 ED1: Future IEC XXXXX-4: Semiconductor devices - Neuromorphic devices - Part 4: Evaluation method of asymmetry in neuromorphic memristor devices, 10/13/2023

### **Standard voltages, current ratings and frequencies (TC 8)**

8C/74/NP, PNW TS 8C-74 ED1: Power System Stability Control - Part 2: Guideline for quantitative assessment of power system stability and security, 10/13/2023

8C/75/NP, PNW TS 8C-75 ED1: Technical Specification for Hardware-in-the-loop Simulation Test of Power System Stability Control System, 10/13/2023

**Switchgear and controlgear (TC 17)**

17C/901/CDV, IEC 62271-211 ED2: High-voltage switchgear and controlgear - Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV, 10/13/2023

17/1142/CD, IEC TR 62271-322 ED1: High-voltage switchgear and controlgear - Part 322: Digital technologies - application and guidance, 10/13/2023

**Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)**

121A/562/CDV, IEC 60947-4-2/AMD1 ED4: Amendment 1 - Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - Semiconductor motor controllers, starters and soft-starters, 10/13/2023

121A/566/FDIS, IEC 61095 ED3: Electromechanical contactors for household and similar purposes, 09/01/2023

**System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A.C., particularly considering safety aspects (TC 99)**

99/413/FDIS, IEC 61936-2 ED1: Power installations exceeding 1 kV AC and 1,5 kV DC - Part 2: DC, 09/01/2023

**(SyCSmartCities)**

SyCSmartCities/300/NP, PNW SYCSMARTCITIES-300 ED1: Smart Cities Reference Architecture (SCRA), 08/18/2023



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### Applications of statistical methods (TC 69)

[ISO 5725-1:2023](#), Accuracy (trueness and precision) of measurement methods and results - Part 1: General principles and definitions, \$157.00

### Banking and related financial services (TC 68)

[ISO 8583:2023](#), Financial-transaction-card-originated messages - Interchange message specifications, \$116.00

### Concrete, reinforced concrete and pre-stressed concrete (TC 71)

[ISO 5091-1:2023](#), Structural intervention of existing concrete structures using cementitious materials - Part 1: General principles, \$157.00

[ISO 5091-2:2023](#), Structural intervention of existing concrete structures using cementitious materials - Part 2: Top-surface overlaying, \$116.00

[ISO 5091-3:2023](#), Structural intervention of existing concrete structures using cementitious materials - Part 3: Bottom-surface (soffit) underlaying, \$183.00

[ISO 5091-4:2023](#), Structural intervention of existing concrete structures using cementitious materials - Part 4: Jacketing, \$157.00

### Fine ceramics (TC 206)

[ISO 19810:2023](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for self-cleaning performance of semiconducting photocatalytic materials under indoor lighting environment - Measurement of water contact angle, \$77.00

### Graphical symbols (TC 145)

[ISO 7010:2019/Amd 7:2023](#), Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 7, \$22.00

### Lifts, escalators, passenger conveyors (TC 178)

[ISO 25745-1:2023](#), Energy performance of lifts, escalators and moving walks - Part 1: Energy measurement and verification, \$116.00

### Nuclear energy (TC 85)

[ISO 2889:2023](#), Sampling airborne radioactive materials from the stacks and ducts of nuclear facilities, \$263.00

### Other

[ISO 11936:2023](#), Leather - Determination of total content of certain bisphenols, \$77.00

### Plastics (TC 61)

[ISO 4410:2023](#), Test methods for the experimental characterization of in-plane permeability of fibrous reinforcements for liquid composite moulding, \$183.00

[ISO 4768:2023](#), Measurement method of anti-biofilm activity on plastic and other non-porous surfaces, \$77.00

### Plastics pipes, fittings and valves for the transport of fluids (TC 138)

[ISO 8513:2023](#), Plastics piping systems - Glass-reinforced thermosetting plastics (GRP) pipes - Test methods for the determination of the initial longitudinal tensile strength, \$77.00

### Road vehicles (TC 22)

[ISO 13400-2:2019/Amd 1:2023](#), - Amendment 1: Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 2: Transport protocol and network layer services - Amendment 1, \$22.00

[ISO 16750-4:2023](#), Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads, \$237.00

### Rubber and rubber products (TC 45)

[ISO 11235:2023](#), Rubber compounding ingredients - Sulfenamide accelerators - Test methods, \$157.00

[ISO 11424:2023](#), Rubber hoses and tubing for air and vacuum systems for internal-combustion engines - Specification, \$77.00

### Traditional Chinese medicine (TC 249)

[ISO 7177:2023](#), Traditional Chinese medicine - Coptis chinensis and Coptis japonica rhizome, \$116.00

### Water quality (TC 147)

[ISO 13164-4:2023](#), Water quality - Radon-222 - Part 4: Test method using two-phase liquid scintillation counting, \$116.00

**Welding and allied processes (TC 44)**

[ISO 1089:2023](#), Resistance welding equipment - Electrode taper fits for spot welding equipment - Dimensions, \$77.00

**ISO Technical Reports****Fire safety (TC 92)**

[ISO/TR 24679-5:2023](#), Fire safety engineering - Performance of structures in fire - Part 5: Example of a timber building in Canada, \$237.00

**ISO Technical Specifications****Ergonomics (TC 159)**

[ISO/TS 9241-620:2023](#), Ergonomics of human-system interaction - Part 620: The role of sound for users of interactive systems, \$157.00

**Prosthetics and orthotics (TC 168)**

[ISO/TS 4549:2023](#), Orthotics - Method for testing the reliability of microprocessor-controlled ankle moment units of ankle-foot orthoses, \$116.00

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

[ISO/IEC 24392:2023](#), Cybersecurity - Security reference model for industrial internet platform (SRM- IIP), \$183.00

[ISO/IEC 24714:2023](#), Biometrics - Cross-jurisdictional and societal aspects of biometrics - General guidance, \$183.00

[ISO/IEC 27071:2023](#), Cybersecurity - Security recommendations for establishing trusted connections between devices and services, \$157.00

[ISO/IEC 4922-1:2023](#), Information security - Secure multiparty computation - Part 1: General, \$77.00

[ISO/IEC/IEEE 23026:2023](#), Systems and software engineering - Engineering and management of websites for systems, software and services information, \$237.00

[ISO/IEC/IEEE 24748-6:2023](#), Systems and software engineering - Life cycle management - Part 6: System and software integration, \$210.00

**IEC Standards****Electrical accessories (TC 23)**

[IEC 60898-3 Amd.1 Ed. 1.0 b:2022](#), Amendment 1 - Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation, \$13.00

**Environmental conditions, classification and methods of test (TC 104)**

[IEC 60721-3-4 Ed. 3.0 b Cor.1:2023](#), Corrigendum 1 - Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations, \$0.00

**Fibre optics (TC 86)**

[IEC 60793-1-44 Ed. 3.0 en:2023](#), Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength, \$234.00

[IEC 60793-1-44 Ed. 3.0 en:2023 CMV](#), Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength, \$398.00

**Performance of household electrical appliances (TC 59)**

[IEC 62885-4 Amd.1 Ed. 1.0 b:2023](#), Amendment 1 - Surface cleaning appliances - Part 4: Cordless dry vacuum cleaners for household or similar use - Methods for measuring the performance, \$51.00

[IEC 62885-4 Ed. 1.1 b:2023](#), Surface cleaning appliances - Part 4: Cordless dry vacuum cleaners for household or similar use - Methods for measuring the performance, \$316.00

[IEC 63086-1 Amd.1 Ed. 1.0 b:2023](#), Amendment 1 - Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements, \$13.00

[IEC 63086-1 Ed. 1.1 b:2023](#), Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements, \$202.00

**IEC Technical Specifications****Lamps and related equipment (TC 34)**

[IEC/TS 63116 Amd.1 Ed. 1.0 en:2023](#), Amendment 1 - Lighting systems - General requirements, \$25.00

[IEC/TS 63116 Ed. 1.1 en:2023](#), Lighting systems - General requirements, \$101.00

# International Organization for Standardization (ISO)

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## Call for U.S. TAG Administrator

### ISO/TC 218 – Timber

**Comment Deadline: August 11, 2023**

ANSI has been informed that the American Society of Civil Engineers (ASCE), the ANSI-accredited U.S. TAG Administrator for ISO/TC 218 – *Timber*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 218 operates under the following scope:

*Standardization of round, sawn and processed timber, and timber materials in and for use in all applications, including terminology, specifications and test methods.*

*Excluded: Those applications of timber as covered by ISO/ TC 165 "Timber structures".*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

## Establishment of ISO Technical Committee

### ISO/TC 345 – Specialty metals and minerals

**Comment Deadline: August 11, 2023**

A new Technical Committee, ISO/TC 345 – *Specialty metals and minerals*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 345 operates under the following scope:

*Standardization in the field of specialty metals and minerals. It includes: terminology, classification, sampling, testing and chemical analysis methods, and delivery conditions. A list of specialty metals and minerals is included as follows: antimony, beryllium, cobalt, chromium, graphite, niobium, platinum group metals.*

*Excluded: Finished products; Sustainability issues; Mining, already covered by ISO/TC 82 "Mining"; Elements already covered by existing ISO technical committees: ISO/TC 18 "Zinc and zinc alloys", ISO/TC 20/SC 18 "Materials" (under ISO/TC 20 "Aircraft and space vehicles"), ISO/TC 26 "Copper and copper alloys", ISO/TC 79 "Light metals" (aluminum, titanium, magnesium), ISO/TC 132 "Ferroalloys" (manganese, chrome in ferroalloys), ISO/TC 155 "Nickel and nickel alloys", ISO/TC 183 "Copper, lead, zinc and nickel ores and concentrates", ISO/TC 298 "Rare earth", ISO/TC 333 "Lithium".*

Organizations interested in serving as the U.S. TAG Administrator or participating on the U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

# Registration of Organization Names in the United States

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The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

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

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



# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies may be interested in proposed foreign technical regulations notified 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 notify to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final. The USA Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

### Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

[https://www.wto.org/english/tratop\\_e/sps\\_e/sps\\_e.htm](https://www.wto.org/english/tratop_e/sps_e/sps_e.htm)

WTO Committee on Technical Barriers to Trade (TBT): [https://www.wto.org/english/tratop\\_e/tbt\\_e/tbt\\_e.htm](https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm)

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: [https://tcc.export.gov/report\\_a\\_barrier/trade\\_barrier\\_examples/index.asp](https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp).

Report Trade Barriers: [https://tcc.export.gov/Report\\_a\\_Barrier/index.asp](https://tcc.export.gov/Report_a_Barrier/index.asp).

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).



**BSR/ASHRAE/IES Addendum h  
to ANSI/ASHRAE/IES Standard 90.2-2018**

**Public Review Draft**

**Proposed Addendum h to  
Standard 90.2-2018, High-Performance  
Energy Design of Residential Buildings**

**Second Public Review (July 2023)  
(Draft Shows Proposed Independent Substantive  
Changes to Previous Public Review Draft)**

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](http://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](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, [www.ashrae.org](http://www.ashrae.org).

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 ASHRAE expressly disclaims such.

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**ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092**

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(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 proposal updates the air leakage maximum values and testing protocols to better align 90.2 with other relevant codes and standards, including ASHRAE 62.2 and the IECC (2024 first public draft). More specifically this addendum makes the following changes to the standard:*

- 1) Reduces the maximum air leakage (increases stringency) to be consistent with being a leadership standard.*
- 2) Updates the air leakage testing protocol to allow for testing as a whole building or as multiple dwelling units in multi-family buildings. The updates are designed to provide better coordination with the IECC.*

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]*

## Addendum h to 90.2-2018

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Add the following definitions to Section 3:

**attached dwelling unit.** A dwelling unit sharing demising walls, floors, ceilings or common corridors with another dwelling unit or occupiable space.

**dwelling unit enclosure area.** The sum of the area of ceiling, floors, and walls separating a dwelling unit's conditioned space from the exterior or from adjacent conditioned or unconditioned spaces. Wall height shall be measured from the finished floor of the dwelling unit to the underside of the floor or building element bounding an unconditioned space above.

Add the following to 3.2 Abbreviations and Acronyms:

cfm<sub>50</sub> cubic feet per minute measured at a pressure difference of 50 Pa (0.2-inch water gauge)

Revise as follows:

**6.3.2 Maximum Envelope Air Leakage.** The ~~building~~ *building* or ~~dwelling unit~~ *dwelling unit* shall have a tested air leakage rate no greater than ~~5 ACH<sub>50</sub> in Climate Zones 0 through 2 and no greater than 3 ACH<sub>50</sub> in Climate Zones 3 through 8.~~

**7.1.2 Building Thermal Envelope Air leakage.** The *building thermal envelope* shall have a tested air leakage rate not greater than either ~~3.6~~ 3.0 ACH<sub>50</sub>, or ~~0.20~~ 0.15 cfm<sub>50</sub>/square foot (0.75 L/s·m<sup>2</sup>) of *dwelling unit enclosure area* or *building thermal envelope area*, as appropriate, at a pressure differential of 0.2 inch water gauge (50 Pa). ~~(1.0 L/s·m<sup>2</sup>) at a pressure differential of 0.2 inch water gauge (50 Pa).~~

.....

## NORMATIVE APPENDIX C

### AIR LEAKAGE TESTING

#### C1. AIR LEAKAGE TESTING

C1.1 Testing shall be performed by a fan pressurization technique in accordance with ASTM E779, ASTM E1827, ASTM E3158 or ANSI/RESNET/ICC 380, Section 3.

C1.2 Testing shall be permitted to be conducted at any point after the building has been enclosed.

C1.3 **Single Dwelling Unit Buildings.** Buildings comprised of a single *dwelling unit* shall be tested with a single fan pressurization test and represent the leakage rate for the entire structure. Where the tested leakage rate exceeds 115% of the design target, diagnostics shall be performed to identify corrective air-leakage sealing measures necessary to achieve compliance. These corrective measures shall be applied and the building retested for compliance.

C1.4 **Attached Dwelling Unit Buildings.** Buildings comprised of two or more attached *dwelling units* or common areas shall be permitted to be tested either as a whole building or as *dwelling units* in accordance with C1.4.1.

##### C1.4.1 Dwelling Unit Testing

Where multiple dwelling units or other spaces are contained within one *building thermal envelope*, each unit shall be considered an individual testing unit, and the building air leakage rate shall be the weighted average of all testing tested unit results, weighted by each testing unit's enclosure area as follows:

1. Where buildings have ~~fewer~~ less than eight total dwelling or sleeping testing units, each ~~testing~~ unit shall be tested.
2. Where buildings ~~with~~ have eight or more dwelling or sleeping testing units, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a middle floor unit, a ground floor unit and a unit with the largest ~~testing unit~~ dwelling unit enclosure area. For each tested unit that exceeds 115% of the target air leakage rate, an additional three units shall be tested, ~~including~~ comprised of a mixture of testing unit types and locations within the building.
3. Common areas with not less than one exterior wall in the building thermal envelope shall be tested and included in the weighted average.

Exception: Corridors, stairwells, and enclosed spaces having a conditioned floor area not greater than 1,500 ft<sup>2</sup> (139 m<sup>2</sup>).

Where ~~the average leakage rate of all tested units exceeds the 115% of the design target, or where any one of the tested units exceeds 115% of the design target~~ leakage rate, diagnostics shall be performed on the ~~tested~~ noncompliant units to identify and apply corrective air-leakage sealing measures necessary to achieve compliance. ~~These corrective measures shall be applied. A new random sample of previously nontested units shall be tested to verify compliance. A new sampling of untested units shall be tested in accordance with~~ C1.4.1(2).

## C1.5 Test Protocol

C1.5.1 Air leakage tests shall be conducted under the following conditions:

- a. Ventilation fans and exhaust fans are turned OFF.
- b. Combustion equipment using conditioned air shall be disabled or put in pilot position.
- c. Prior to testing, all doors, fireplaces, windows and operable windows shall be closed but not sealed.
- d. Prior to testing, all intentional openings (dryer ducts, bath fans, fresh air ventilation systems, ~~plumbing traps, fill with water~~) shall be sealed. Plumbing traps shall be filled with water.
- e. Prior to testing, all interior doors shall be opened.
- f. Heating and cooling supply and return ducts shall not be sealed.

C1.5.2 Air leakage results shall be reported as ACH<sub>50</sub> or as cfm<sub>50</sub>/ft<sup>2</sup> (L/s·m<sup>2</sup>) of dwelling unit enclosure area or building thermal envelope area, as appropriate, at pressure differential of 0.2 inch water gauge (50 Pa). The conditioned volume (CV) of the building or building portion shall be calculated by taking the conditioned floor area per ANSI Z765 or BOMA Z65.4 and multiplying by the average ceiling height. If the ceiling is not finished, the height of the lower portion of the floor joist/rafter shall be used to determine average ceiling height. ACH<sub>50</sub> shall be calculated using the following equation:

$$\text{ACH}_{50} = 60 \times \text{cfm}_{50} / \text{CV} \text{ (ft}^3\text{)}$$

$$\text{ACH}_{50} = \frac{3600 \times \text{L/s}}{\text{CV (L)}}$$



**BSR/ASHRAE/IES Addendum i  
to ANSI/ASHRAE/IES Standard 90.2-2018**

**Public Review Draft**

# **Proposed Addendum i to Standard 90.2-2018, High Performance Energy Design of Residential Buildings**

**First Public Review (July 2023)  
(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](http://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](http://www.ashrae.org/bookstore) or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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## FOREWORD

The change in scope for 90.2 to include high-rise residential buildings created a need for the inclusion of common areas. However, in order to begin that process of creating provisions to address these new areas and their relationship to sleeping and dwelling units we first need to create a definition.

This proposed definition is consistent with other definitions in the standard (with minor changes described below). Common areas can be found in any residential building that has a shared basement, gym, kitchen, lobby, etc. The only thing excluded is the actual dwelling or sleeping unit space.

When looking at the existing definitions in the standard we found that the term “multifamily structure” was inconsistent with our other terminology and therefore a need to change this term to “multifamily building” is in order.

Furthermore, when looking at the definition for “building” we found the text “wholly or partially” unnecessary and potentially confusing for users. We propose striking this text.

For reference:

***residential building:*** buildings three stories above grade or fewer in height whose primary function is nontransient occupancy, including one- and two-family dwellings, multiple single- family dwellings (townhouses), and nontransient multifamily buildings (such as apartment houses, convents, and monasteries).

***[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]***

## **Addendum i to 90.2-2018**

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*Modify Section 3.1 as follows (IP and SI Units)*

**Common area.** Conditioned or lighted, residential space in a building which is not part of a sleeping or dwelling unit.

**multifamily ~~structure~~ building:** building of three stories or fewer above grade containing three or more *dwelling units* other than *townhouses*, including a manufactured building (modular).

**building:** a structure ~~wholly or partially~~ enclosed within exterior walls, or within exterior and party walls, and a roof, affording shelter to persons, animals, or property.

*Modify Section 7 as follows (IP and SI Units)*

...  
**7.1.3 Common Areas of Multifamily Buildings.** The building envelope components of *common areas of multifamily buildings* shall comply with Table 7-3.  
...



First Public Review Draft

**7.4.7 Common Areas of Multifamily Residential Buildings.** In ~~common spaces~~ *common areas* of ~~multifamily multifamily residential buildings~~ *buildings*, the service water heating (SWH) systems shall meet the requirements of ASHRAE/IES Standard 90.1, Section 7.4.

...

Add new Table 7-3 and renumber remaining tables (IP Units)

**Table 7-3 Common Area Building Envelope Requirements**

|                     | <u>Maximum SHGC</u>        |                  |                     | <u>Maximum U-Factors</u> |                         |                         |                              |                              |                            |                       |                       |
|---------------------|----------------------------|------------------|---------------------|--------------------------|-------------------------|-------------------------|------------------------------|------------------------------|----------------------------|-----------------------|-----------------------|
| <u>Climate Zone</u> | <u>Glazed Fenestration</u> | <u>Skylights</u> | <u>Fenestration</u> | <u>Skylights</u>         | <u>Interior Ceiling</u> | <u>Exterior Ceiling</u> | <u>Interior Framed Walls</u> | <u>Exterior Framed Walls</u> | <u>Exterior Mass Walls</u> | <u>Interior Floor</u> | <u>Exterior Floor</u> |
| 0                   | 0.23                       | 0.23             | 0.32                | 0.50                     | 0.080                   | 0.032                   | 0.080                        | 0.076                        | 0.177                      | 0.080                 | 0.058                 |
| 1                   | 0.23                       | 0.23             | 0.32                | 0.50                     | 0.080                   | 0.032                   | 0.080                        | 0.076                        | 0.177                      | 0.080                 | 0.058                 |
| 2                   | 0.23                       | 0.23             | 0.32                | 0.50                     | 0.080                   | 0.027                   | 0.080                        | 0.076                        | 0.149                      | 0.080                 | 0.058                 |
| 3                   | 0.23                       | 0.23             | 0.28                | 0.40                     | 0.080                   | 0.027                   | 0.080                        | 0.054                        | 0.088                      | 0.080                 | 0.042                 |
| 4 except Marine     | 0.25                       | 0.25             | 0.25                | 0.40                     | 0.080                   | 0.023                   | 0.080                        | 0.054                        | 0.088                      | 0.080                 | 0.042                 |
| Marine 4 and 5      | 0.30                       | 0.30             | 0.22                | 0.40                     | 0.080                   | 0.023                   | 0.080                        | 0.054                        | 0.074                      | 0.080                 | 0.030                 |
| 6                   | NR                         | NR               | 0.22                | 0.40                     | 0.080                   | 0.023                   | 0.080                        | 0.041                        | 0.054                      | 0.080                 | 0.030                 |
| 7                   | NR                         | NR               | 0.22                | 0.40                     | 0.080                   | 0.023                   | 0.080                        | 0.041                        | 0.051                      | 0.080                 | 0.025                 |
| 8                   | NR                         | NR               | 0.22                | 0.40                     | 0.080                   | 0.023                   | 0.080                        | 0.041                        | 0.051                      | 0.080                 | 0.025                 |

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Add new Table 7-3 and renumber remaining tables (SI Units)

**Table 7-3 Common Area Building Envelope Requirements**

| <u>Climate Zone</u> | <u>Maximum SHGC</u>        |                  | <u>Maximum U-Factors</u> |                  |                         |                         |                              |                              |                            |                       |                       |
|---------------------|----------------------------|------------------|--------------------------|------------------|-------------------------|-------------------------|------------------------------|------------------------------|----------------------------|-----------------------|-----------------------|
|                     | <u>Glazed Fenestration</u> | <u>Skylights</u> | <u>Fenestration</u>      | <u>Skylights</u> | <u>Interior Ceiling</u> | <u>Exterior Ceiling</u> | <u>Interior Framed Walls</u> | <u>Exterior Framed Walls</u> | <u>Exterior Mass Walls</u> | <u>Interior Floor</u> | <u>Exterior Floor</u> |
| 0                   | 0.23                       | 0.23             | 1.82                     | 2.84             | 0.45                    | 0.18                    | 0.45                         | 0.43                         | 1.01                       | 0.45                  | 0.33                  |
| 1                   | 0.23                       | 0.23             | 1.82                     | 2.84             | 0.45                    | 0.18                    | 0.45                         | 0.43                         | 1.01                       | 0.45                  | 0.33                  |
| 2                   | 0.23                       | 0.23             | 1.82                     | 2.84             | 0.45                    | 0.15                    | 0.45                         | 0.43                         | 0.85                       | 0.45                  | 0.33                  |
| 3                   | 0.23                       | 0.23             | 1.59                     | 2.27             | 0.45                    | 0.15                    | 0.45                         | 0.31                         | 0.50                       | 0.45                  | 0.24                  |
| 4 except Marine     | 0.25                       | 0.25             | 1.42                     | 2.27             | 0.45                    | 0.13                    | 0.45                         | 0.31                         | 0.50                       | 0.45                  | 0.24                  |
| Marine 4 and 5      | 0.30                       | 0.30             | 1.25                     | 2.27             | 0.45                    | 0.13                    | 0.45                         | 0.31                         | 0.42                       | 0.45                  | 0.17                  |
| 6                   | NR                         | NR               | 1.25                     | 2.27             | 0.45                    | 0.13                    | 0.45                         | 0.23                         | 0.31                       | 0.45                  | 0.17                  |
| 7                   | NR                         | NR               | 1.25                     | 2.27             | 0.45                    | 0.13                    | 0.45                         | 0.23                         | 0.29                       | 0.45                  | 0.14                  |
| 8                   | NR                         | NR               | 1.25                     | 2.27             | 0.45                    | 0.13                    | 0.45                         | 0.23                         | 0.29                       | 0.45                  | 0.14                  |



**BSR/ASHRAE/IES Addendum k  
to ANSI/ASHRAE/IES Standard 90.2-2018**

**Public Review Draft**

# **Proposed Addendum k to Standard 90.2-2018, High-Performance Energy Design of Residential Buildings**

**First Public Review (July 2023)  
(Draft Shows Proposed Changes to Current Standard)**

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## FOREWORD

*This addendum updates the normative references in Section 10 to reflect the latest versions of each publication.*

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## Addendum k to 90.2-2018

*Modify Section 10 as follows:*

### 10. NORMATIVE REFERENCES

| Source   | Title   |
|--|---|
| Air-Conditioning Contractors of America, Inc. (ACCA) <del>2800 Shirlington Road, Suite 300</del><br><u>1520 Belle View Blvd #5220</u><br>Arlington, VA <del>22206</del> <u>22307</u> |   |
| ANSI/ACCA 5 QI-2015  | HVAC Quality Installation Specification                                     |
| ANSI/ACCA 9 QIVP-2016  | HVAC Quality Installation Verification Protocols                            |
| ANSI/ACCA 1 Manual D-2016  | Residential Duct Systems  |
| ANSI/ACCA 2 Manual J-2016  | ACCA Manual J, HVAC Residential Load Calculations, 8th                      |
| Edition ANSI/ACCA 3 Manual S-2014  | ACCA Manual S, Residential Heating and Cooling Equipment                    |
| Selection ANSI/ACCA 10 Manual SPS-2010<br>(RA2017)   | Swimming Pools and Spas   |
| ANSI/ACCA 11 Manual Zr-2012 <del>8</del>   | Residential Zoning <del>2012</del> <u>Systems</u>                           |
| American Society of Mechanical Engineers (ASME) Two Park Avenue<br>New York, NY 10016-5990   |   |
| ASME A112.18.1- <del>2012</del> /CSA B125.1 – 2018<br><del>-12 (RA2017)</del>  | Plumbing Supply Fittings  |
| ASTM International<br>100 Barr Harbor Dr.,<br>West Conshohocken, PA 19428-2959   |   |
| ASTM E779-19   | Standard Test Method for Determining Air Leakage Rate by Fan Pressurization |

ASTM E1827-~~2017~~2022 Standard Test Methods for Determining Airtightness of Buildings Using an Orifice Blower Door

ASTM E3158-18 Standard Test Method for Measuring the Air Leakage Rate of Large or Multizone Buildings

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**ASHRAE**  
**180 Technology Parkway NW**  
**Peachtree Corners, GA 30092**

2015~~9~~ ASHRAE Handbook ASHRAE Handbook—HVAC Applications

ANSI/ASHRAE Standard 55-~~2020~~17 Thermal Environmental Conditions for Human Occupancy

ANSI/ASHRAE Standard 62.1-~~2022~~16 Ventilation for Acceptable Indoor Air Quality

ANSI/ASHRAE Standard 62.2-~~2022~~16 Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings

ANSI/ASHRAE/IES Standard 90.1-~~2022~~19 Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

ANSI/ASHRAE Standard 124-2007 (RA 2016) Methods of Testing for Rating Combination Space-Heating and Water-Heating Applications

ANSI/ASHRAE Standard 140-~~2020~~17 ~~Standard Method of Test for Evaluating Building Performance Simulation Software~~ the Evaluation of Building Energy Analysis Computer Programs

ANSI/ASHRAE Standard 169-2013 Climatic Data for Building Design Standards

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

**1101 15th Street, NW Suite 800**  
**Washington, DC 20005**

ANSI/BOMA Z65.4-~~2023~~10 Multi-Family Unit and Hospitality Properties Residential Buildings: Standard Methods of Measurement

---

**International Code**  
**Council**  
**4051 Flossmoor Road Country**  
**Club Hills, IL 60478**

IECC-~~2021~~18 International Energy Conservation Code

---

**IEEE Standards Association**  
**501 Hoes Lane, 3rd Floor**  
**Piscataway, NJ 08855**

IEEE 515.1-2012 Standard for the Testing, Design, Installation, and Maintenance of Electrical Resistance Trace Heating for Commercial Applications

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**National Association of Home Builders**  
**(NAHB)**

**400 Prince George's Boulevard**  
**Upper Marlboro, MD 20774**

ANSI Z765-2003 ~~Square Footage – Method for Calculating~~

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**Home Innovation Research Labs**  
**400 Prince George's Blvd.**  
**Upper Marlboro, MD 20774**

ANSI Z765-2021 Square Footage – Method for Calculating

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**National Fenestration Rating Council (NFRC)**  
**6305 Ivy Lane, Suite 140**  
**Greenbelt, MD 20770-6323**

ANSI/NFRC 100-~~2020~~17 Procedure for Determining Fenestration Product U-Factors

ANSI/NFRC 200-~~2020~~17 Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence

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First Public Review Draft

**Residential Energy Services Network, Inc.  
(RESNET)  
4867 Patina Court  
Oceanside, CA 920571**

ANSI/RESNET/ICC 301-~~2022~~<sup>19</sup>

Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index—~~including ANSI/RESNET/ICC 380-2019 Addendum A-2019 and Addendum B-2020.~~ — including Addendum b (CO<sub>2</sub> Index)

ANSI/RESNET/ICC 380-2019

Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems.

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**Underwriters Laboratories  
750 Anthony Trail  
Northbrook, IL 60062**

UL 515

Standard for Electrical Resistance Trace Heating for Commercial Applications, 2<sup>nd</sup> Ed.

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**BSR/ASHRAE/IES Addendum m  
to ANSI/ASHRAE/IES Standard 90.1-2022**

**Public Review Draft**

**Proposed Addendum m to  
Standard 90.1-2022, Energy Standard  
for Sites and Buildings Except Low-  
Rise Residential Buildings**

**First Public Review (July 2023)  
(Draft Shows Proposed Changes to Current Standard)**

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## FOREWORD

This addendum adds requirements that hydronic and DX fin-and-tube coils be rated according to AHRI 410-2023 (SI/I-P) Performance Rating of Forced-Circulation Air-Cooling and Air-Heating Coils and exhaust air energy recovery heat exchangers be rated according to AHRI 1060 (I-P/2018) Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment. The already-existing rating requirement for liquid-to-liquid heat exchangers remains.

Exceptions are provided for coils and liquid-to-liquid heat exchangers in equipment listed in Section 6.8 that is rated to overall performance standards and exhaust air energy recovery systems rated under CSA C439-2018 Laboratory Methods Of Test For Rating The Performance Of Heat/Energy-Recovery Ventilators. There is also an exception for installations outside the United States and Canada, where other acceptable performance rating standards may exist.

Rating to AHRI 400 has resulted in significantly more accurate performance ratings for liquid-to-liquid heat exchangers, which results in systems that are more likely to perform as designed. The committee believes that the addition of fin-and-tube coils and exhaust air energy recovery components will have a similar effect.

This change will not add to the cost of construction, as many manufacturers already rate to these standards.

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard 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 changes.]*



## Addendum m to 90.1-2022

Revise Section 6.4.7 as follows (I-P):

**6.4.7 Liquid-to-Liquid Heat Exchangers Performance Rating Requirements for System Components.** ~~Plate-type liquid-to-liquid heat exchangers shall be rated in accordance with AHRI 400. The equipment listed in Table 6.4.7 shall be rated in accordance with the rating procedure listed. Section 12 contains a complete specification of the referenced test procedure.~~

### Exceptions to 6.4.7

1. Heating and cooling coils and plate-type liquid-to-liquid heat exchangers that are part of equipment with minimum efficiency requirements listed in any table in Section 6.8.1.
2. Exhaust air energy recovery heat exchangers in DX-DOAS units in Table 6.8.1-14.
3. Coils in equipment rated under 10 CFR Part 430, Subpart B.
4. Components of exhaust air energy recovery devices rated to CAN/CSA-C439.
5. Equipment to be installed outside the United States and Canada rated in accordance with a rating procedure approved by the authority having jurisdiction.
6. Components that fall outside the scope of the rating procedure.

**Table 6.4.7 Performance Rating Procedures for System Components**

| <u>Equipment</u>  | <u>Rating Procedure</u> |
|---|-------------------------|
| <u>Plate-type liquid-to-liquid heat exchangers</u>              | <u>AHRI 400</u>         |
| <u>Fin-and-tube heating and cooling coils (hydronic and DX)</u> | <u>AHRI 410</u>         |
| <u>Exhaust air energy recovery heat exchangers</u>              | <u>AHRI 1060</u>        |

Revise Section 6.4.7 as follows (SI):

**6.4.7 Liquid-to-Liquid Heat Exchangers Performance Rating Requirements for System Components.** ~~Plate-type liquid-to-liquid heat exchangers shall be rated in accordance with AHRI 400. The equipment listed in Table 6.4.7 shall be rated in accordance with the rating procedure listed. Section 12 contains a complete specification of the referenced test procedure.~~

### Exceptions to 6.4.7

1. Heating and cooling coils and liquid-to-liquid heat exchangers that are part of equipment with minimum efficiency requirements listed in any table in Section 6.8.1.
2. Exhaust air energy recovery heat exchangers in DX-DOAS units in Table 6.8.1-14.
3. Coils in equipment rated under 10 CFR Part 430, Subpart B.
4. Components of exhaust air energy recovery devices rated to CAN/CSA-C439.
5. Equipment to be installed outside the United States and Canada rated in accordance with a rating procedure approved by the authority having jurisdiction.
6. Components that fall outside the scope of the rating procedure.

**Table 6.4.7 Performance Rating Procedures for System Components**

| <u>Equipment</u>  | <u>Rating Procedure</u> |
|---|-------------------------|
| <u>Liquid-to-liquid heat exchangers</u>                         | <u>AHRI 401</u>         |
| <u>Fin-and-tube heating and cooling coils (hydronic and DX)</u> | <u>AHRI 410</u>         |

Exhaust air energy recovery heat exchangers

AHRI 1061

*Add to Section 13 as follows (I-P):*

**Reference**

**Section**

**Air Conditioning, Heating and Refrigeration Institute  
(AHRI) 2311 Wilson Blvd., Arlington, VA 22201**

|                               |  |                    |
|-------------------------------|--|--------------------|
| <u>AHRI 410-2023 (SI/I-P)</u> | <u>Performance Rating of Forced-Circulation Air-Cooling and Air-Heating Coils</u>            | <u>Table 6.4.7</u> |
| <u>AHRI 1060 (I-P/2018)</u>   | <u>Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment</u> | <u>Table 6.4.7</u> |

**CSA Group**

**178 Rexdale Blvd., Toronto, ON, Canada M9W 1R3**

|                      |  |              |
|----------------------|--|--------------|
| <u>CSA C439-2018</u> | <u>Laboratory Methods of Test For Rating The Performance Of Heat/Energy-Recovery Ventilators</u> | <u>6.4.7</u> |
|----------------------|--|--------------|

*Add to Section 13 as follows (SI):*

**Reference**

**Section**

**Air Conditioning, Heating and Refrigeration Institute  
(AHRI) 2311 Wilson Blvd., Arlington, VA 22201**

|                                       |  |                    |
|---------------------------------------|--|--------------------|
| <u>ANSI/AHRI 400-401 (I-PSI/2015)</u> | <u>Performance Rating of Liquid-to-Liquid Heat Exchangers</u>                                | <u>Table 6.4.7</u> |
| <u>AHRI 410-2023 (SI/I-P)</u>         | <u>Performance Rating of Forced-Circulation Air-Cooling and Air-Heating Coils</u>            | <u>Table 6.4.7</u> |
| <u>AHRI 1061 (SI/2018)</u>            | <u>Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment</u> | <u>Table 6.4.7</u> |

**CSA Group**

**178 Rexdale Blvd., Toronto, ON, Canada M9W 1R3**

|                      |  |              |
|----------------------|--|--------------|
| <u>CSA C439-2018</u> | <u>Laboratory Methods Of Test For Rating The Performance Of Heat/Energy-Recovery Ventilators</u> | <u>6.4.7</u> |
|----------------------|--|--------------|

**TCIA (ASC A300) (Tree Care Industry Association) Revision BSR A300-202x  
A300 Tree Care Standards  
(revision, redesignation and consolidation of ANSI A300 Part 1-2017  
ANSI A300 Part 2-2018  
ANSI A300 Part 3-2013  
ANSI A300 Part 4-2014  
ANSI A300 Part 5-2019  
ANSI A300 Part 6-2012 (R2018)  
ANSI A300 Part 7-2018  
ANSI A300 Part 8-2019  
ANSI A300 Part 9-2017  
ANSI A300 Part 10-2016**

**A300 Tree Care Standards**  
for trees, shrubs, palms, and other woody landscape plants

Secretariat  
Tree Care Industry Association, Inc.

**Upon approval by ANSI, this consolidated standard will be published by:**

Tree Care Industry Association, Inc.  
670 North Commercial St. – Suite 201  
Manchester, NH 03101  
800-733-2622  
603-314-5380  
E-mail: [rrouse@tcia.org](mailto:rrouse@tcia.org)  
Web: [www.tcia.org](http://www.tcia.org)

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The 30-day public review period is limited to subclause 9.6.3 of the A300 Tree Care Standards revision draft:

**9 Management of Trees and Shrubs during Site Development and Construction standards**

**9.6 Pre-construction phase**

**9.6.3** Tree pruning for clearance ~~should~~ **shall** be performed by an arborist or other qualified professional.

Draft - Not for Use

**BSR/UL UL 62841-4-5** Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –Part 4-5: Particular requirements for grass shears

**1. Proposed adoption of the First Edition of IEC 62841-4-5, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety –Part 4-5: Particular requirements for grass shears, as the First Edition of UL 62841-4-5**

## PROPOSAL

### 20.5 Addition:

Any insulation covering metal handles shall be suitable for temperatures foreseen in **normal use**.

*Compliance is checked by the following test:*

*A separate sample of the covered part shall be conditioned at a temperature not less than 25 K higher than the maximum temperature measured for that part during the test of Clause 12, but not less than  $(70 \pm 2)$  °C for 168 h. After conditioning, the sample shall be allowed to attain approximately ambient temperature.*

*The insulating covering shall not have peeled off, be able to move longitudinally or have shrunk to such an extent that the required insulation is not given.*

*After this, the sample shall be maintained for 4 h at a temperature of  $(-10 \pm 2)$  °C and then immediately subjected to an impact applied by means of an apparatus (see Figure 114) with a weight "A" having a mass of 300 g and falling from a height of 350 mm onto a chisel "B" of hardened steel, the edge of which is placed on the sample. One impact shall be applied to each place where the covering is likely to be weak or damaged in **normal use**. The distance between the impact points shall be at least 10 mm.*

*After this, an electric strength test is carried out according to Clause D.2 using 1 250 V AC between the handles and grasping surfaces in contact with foil and the **cutting device**.*

*During this test, no flashover or breakdown shall occur.*

**20.5DV D2 Modification: Replace the first paragraph of Clause 20.5 of this Part 4 with the following:**

**If a pliable insulation material is**

- **used to cover a tubular-shaped metal handle; and**
- **relied upon to fulfill the requirements of this subclause,**

**it shall be suitable for temperatures foreseen in normal use and shall have adequate mechanical strength in order to provide insulation between the grasping area and the cutting device. This requirement is not applicable for metal handles that are isolated by insulating barrier(s) from accessible metal parts that could become live by the cutting device in accordance with 21.30.**

NOTE 101DV Examples of pliable insulation material include foam, heat shrink, and elastomeric tubing.

NOTE 102DV Examples of a tubular-shaped metal handle include those with a round, oval or square cross-section.

## BSR/UL 1286, Standard for Safety for Office Furnishing Systems

### 1. Addition Of Requirements To Address Risk Of Personal Injury From Low Level Panels And Screens

#### PROPOSAL

18.2A.2 A low level panel or screen that may be used for seating shall comply with:

- a) The requirements in 8.2 and 8.3;
- b) The applicable test requirements in Sections 19 – 37 of this Standard; and
- c) The applicable test requirements in Table 18.1.

18.2A.3 Low level panels that ~~are considered able to be used for seats~~ are those that are not a straight run and are in configurations that could support a load such as in a straight run or in an “L”, “T”, “Y”, or “X” formation, either by using other panels or by the connection of accessories, such as a work surface, shall be evaluated for loading conditions such as being sat on. Low level screens that are considered able to be used for seats are those that are not a straight run and are in configurations that could support a load such as in an “L”, “T”, “Y”, or “X” formation by using other screens.

39.11 Instructions for a low level panel or screen shall include a statement that the panel/screen shall only be used against a wall, under other furnishings, or in similar locations to minimize the risk of tripping or other injury to persons.

*Exception: These instructions are not required for a low level panel/screen when it is connected to non-low level panels /screens.*

### 4. Revisions To Paragraph 18.7.1 To Add A Reference To European Requirements As Alternative Compliance Criteria For Non-Shattering Glass

#### PROPOSAL

**Note from Standards Project Manager: Only revised text of 5.2 is shown below. See Standard for full list of referenced publications.**

5.2 The following publications are referenced in this Standard:

~~EN 12150-2, Glass in Building – Thermally Toughened Soda Lime Silicate Safety Glass – Part 2: Evaluation of Conformity/Product Standard~~

EN 12600, Glass in Building – Pendulum Test – Impact Test Method and Classification for Flat Glass

18.7.1 Glass shall not be less than 1/8 in or (3.0 mm) thick and the glass shall be a non-shattering type and shall comply with one of the following:

- a) ~~Be a non-shattering or tempered type that, when broken, complies~~ Comply with the requirements in ANSI Z97.1, Class A, or EN 12150-2/EN 12600, 1(B)1 or 1(C)1; or
- b) Comply with 34.1.1.