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CONTENTS

American National Standards

Project Initiation Notification System (PINS) 2

Call for Comment on Standards Proposals 14

Final Actions - (Approved ANS) 32

Call for Members (ANS Consensus Bodies) 36

Accreditation Announcements (Standards Developers) 40

Meeting Notices (Standards Developers) 41

American National Standards (ANS) Process 42

ANS Under Continuous Maintenance 43

ANSI-Accredited Standards Developer Contact Information 44

International Standards

ISO Draft Standards 48

ISO and IEC Newly Published Standards 52

International Organization for Standardization (ISO) 55

Registration of Organization Names in the United States 58

Proposed Foreign Government Regulations 59

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Project Initiation Notification System (PINS)

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

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org
Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB BPR 161-202x, Best Practice Recommendation for Creating Known Distance Witness Panels and Estimating the Associated Measurement Uncertainty (new standard)

Stakeholders: Accreditation bodies; firearm and tool mark examiners and technicians; forensic service providers that provide firearm and tool mark examination services; judicial system; law enforcement investigators and general public.
Project Need: Currently, there is no guidance on how to measure muzzle-to-target distances as a part of the gunshot residue distance approximation procedure and how to estimate uncertainty for those measurements. Many forensic accreditation standards require measurement traceability as well as an estimation of measurement uncertainty.
Scope: This best practice recommendation provides guidelines for the creation of known-distance witness panels for use in muzzle-to-target distance determination testing. This includes guidelines for measurement traceability and estimating the uncertainty of measurement of distance with regard to the creation of witness panels.

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410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org
Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB BPR 171-202x, Best Practice Recommendations for the Management and Use of Quality Assurance DNA Elimination Databases to Detect and Monitor Contamination in Forensic DNA Analysis (new standard)

Stakeholders: Laboratories performing forensic DNA analysis; stakeholders in the criminal justice system.
Project Need: Monitoring contamination is critical to preserving the integrity of forensic DNA results generated for criminal cases. Quality assurance databases are one approach for detecting and monitoring contamination. Currently, there are no guidelines or standards relating to how such databases should be managed or how the information relating to matches in the database should be handled. This document will provide guidance to laboratories regarding the types of samples that should be in the database, how the samples and data should be managed, and considerations concerning the evaluation and reporting of positive associations. The implementation of these best practice guidelines will serve to strengthen the quality of forensic DNA results.
Scope: This document provides best practice recommendations for collecting, storing, searching, and retaining DNA profiles for quality assurance purposes. This document addresses the use of quality assurance databases as a method to detect and monitor contamination.

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Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB Std 162-202x, Standard for the Forensic Examination and Documentation of Non-Firearm Tools and Toolmarks (new standard)

Stakeholders: Firearm and tool mark examiners and technicians; forensic service providers that provide firearm and tool mark examination services; judicial system; law enforcement investigators and general public.
Project Need: No standard presently exists for the examination and testing of tools and toolmarks by forensic science service providers. By using this document, toolmark examiners will be able to document and report the examination of non-firearm tools and toolmarks. This will result in more uniform practices among forensic toolmark examiners.
Scope: This document provides procedures for the examination, documentation, and reporting of non-firearm tools and toolmarks by forensic toolmark examiners. This document does not cover the microscopic comparison of toolmarks.

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410 North 21st Street, Colorado Springs, CO 80904 www.aafs.org
Contact: Teresa Ambrosius; tambrosius@aafs.org

New Standard

BSR/ASB Std 164-202x, Standard Test Method for Muzzle to Target Distance Determinations (new standard)

Stakeholders: Firearm and tool mark examiners and technicians; forensic service providers that provide firearm and tool mark examination services; judicial system; law enforcement investigators and general public.
Project Need: Currently, there are no standards for muzzle-to-target distance determination testing. This document will provide a standard for determining muzzle-to-target distances. This will result in more uniform practices and reporting amongst practitioners who adopt this standard. This document will interface with the best practice recommendation for creating known distance witness panels and estimating the associated measurement uncertainty of distance.
Scope: This standard provides procedures for the visual, microscopic, and chemical processing of items for the determination of muzzle-to-target distance, including the comparison of known-distance witness panels to the questioned item. This standard contains procedures for the analysis of both gunshot residue patterns and the impact pattern from multiple projectile ammunition (e.g., shotshells). This standard does not cover creation of witness panels or procedures for estimating associated measurement uncertainty of distance.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 www.aami.org
Contact: Amanda Benedict; abenedict@aami.org

National Adoption

BSR/AAMI/ISO 13408-6-202x, Aseptic processing of health care products - Part 6: Isolator systems (identical national adoption of ISO 13408-6:2021 and revision of ANSI/AAMI/ISO 13408-6-2005 (R2013))

Stakeholders: Regulators, health care product and medical device manufacturers, aseptic processors of health care products, testing laboratories.
Project Need: Adopt the newly published revised ISO standard.
Scope: Specifies the requirements for and provides guidance on the specification, selection, qualification, bio-decontamination, validation, operation, and control of isolator systems related to aseptic processing of health care products and processing of cell-based health care products. Does not specify requirements for restricted access barrier systems (RABS), supersede or replace national regulatory requirements such as Good Manufacturing Practices (GMPs) and/or compendia requirements that pertain in particular to national or regional jurisdictions, specify requirements for isolators used for sterility testing, or define biosafety containment requirements.

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org
Contact: David Zimmerman; ansi.contact@csagroup.org

Revision

BSR Z21.20-202x, Automatic electrical controls for household and similar use - Part 2-5: Particular requirements for automatic electrical burner control systems (same as UL 60730-2-5) (revision of ANSI Z21.20-2014 (R2019))

Stakeholders: Certification manufacturing.
Project Need: To align with the updated IEC standard this standard was originally adopted from.
Scope: Part 2-5 is intended to be used in conjunction with UL 60730-1, edition 5 or CAN/CSA-E60730-1, edition 5. Requirements of this Part 2 Standard supplement or modify the requirements of UL 60730-1 and CAN/CSA-E60730-1. Where a particular subclause of UL 60730-1 and CAN/CSA-E60730-1 is not mentioned in this Part 2 Standard, that subclause applies as far as reasonable. This part of IEC 60730 applies to automatic electrical burner control systems for the automatic control of burners for oil, gas, coal, or other combustibles intended to be used:
- for household and similar use;
- in shops, offices, hospitals, farms, and commercial and industrial applications.
This International Standard is applicable to:
- a complete burner control system;
- a separate programming unit;
- a separate electronic high-voltage ignition source;
- a separate flame detector and a separate high-temperature operation (HTO) detector; and
- a burner control system intended to be used in warm-air heating appliances (furnaces) where the appliance is equipped with an electromechanical differential pressure control to monitor the difference of the combustion air pressure (Type 2.AL). This pressure control provides a switch as an alternative to one of the two switching elements to directly de-energize the safety-relevant terminals.

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 www.csagroup.org
Contact: David Zimmerman; ansi.contact@csagroup.org

National Adoption

BSR/CSA FC 4 C22.2 No. 22734-202x, Hydrogen generators using water electrolysis - Industrial, commercial, and residential applications (national adoption with modifications of ISO 22734:2019)

Stakeholders: Hydrogen generator using water electrolysis manufacturers, hydrogen generator using water electrolysis users, and hydrogen generator using water electrolysis component suppliers.
Project Need: This will be the first edition of a binational adoption of this ISO document.
Scope: The Standard is an adoption with U.S. and Canadian deviations of the identically titled ISO (International Organization for Standardization) standard, ISO 22734. This standard applies to the construction, safety, and performance requirements of modular or factory-matched hydrogen gas generation appliances, herein referred to as hydrogen generators, using electrochemical reactions to electrolize water to produce hydrogen.

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 www.ieee.org
Contact: Lisa Weisser; l.weisser@ieee.org

New Standard

BSR/IEEE 2969-202X, Guide for Continuous Thermal Monitoring of Switchgear and Motor Control Centers up to 52 kV (new standard)

Stakeholders: Facility owner/operator companies, consulting engineering firms, electrical equipment manufacturers, and 3rd party testing and certification companies.
Project Need: Continuous monitoring can supplant or complement traditional periodic infrared imaging surveys as well as other maintenance practices. Continuous thermal monitoring is important in the implementation of condition-based maintenance practices as it can reduce risks during current, often costly, maintenance practices. It can also improve facility safety and reduce maintenance costs while simultaneously improving reliability and up-time by reducing needs for personnel working near energized equipment. Current thermal monitoring inspection practices tend to center around the periodic IR (Infra-Red) Thermographic inspections. However, this practice is under increasing scrutiny because, at best, it only provides partial data points infrequently collected somewhat independent of connected equipment performance. In an increasingly arc-flash conscious world, the required interface with equipment that is often energized is elevating costs and concerns for worker safety through other developing standards could increase economic pressures on organizations. So, the shift from labor-intensive maintenance practices to safer, more efficient, less costly data collection with options for automated data collection is being well received.
Scope: Describe approaches to continuous thermal monitoring of electrical power distribution equipment to optimize system reliability and elevate safe maintenance practices.

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

700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 2382-37:2017 [202x], Information technology - Vocabulary - Part 37: Biometrics (identical national adoption of ISO/IEC 2382-37:2017)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Establishes a systematic description of the concepts in the field of biometrics pertaining to recognition of human beings and reconciles variant terms in use in pre-existing biometric standards against the preferred terms, thereby clarifying the use of terms in this field.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 19785-1:2020 [202x], Information technology - Common Biometric Exchange Formats Framework - Part 1: Data element specification (identical national adoption of ISO/IEC 19785-1:2020 and revision of INCITS/ISO/IEC 19785-1:2015 [2018])

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Defines structures and data elements for biometric information records (BIRs); the concept of a domain of use to establish the applicability of a standard or specification that conforms with CBEFF requirements; the concept of a CBEFF patron format, which is a published BIR format specification that complies with CBEFF requirements, specified by a CBEFF patron; the abstract values and associated semantics of a set of CBEFF data elements to be used in the definition of CBEFF patron formats. This document describes methods to define CBEFF patron formats using CBEFF data elements to specify the structure of BIRs, including the standard biometric headers (SBHs).

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 19785-3:2020 [202x], Information technology - Common Biometric Exchange Formats Framework - Part 3: Patron format specifications (identical national adoption of ISO/IEC 19785-3:2020)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies and publishes registered Common Biometric Exchange Formats Framework (CBEFF) patron formats defined by the CBEFF patron ISO/IEC JTC 1/SC 37, and specifies their registered CBEFF patron format types (see ISO/IEC 19785-1) and resulting full ASN.1 OIDs.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 19794-13:2018 [202x], Information Technology - Biometric Data Interchange Formats - Part 13: Voice Data (identical national adoption of ISO/IEC 19794-13:2018)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies a data interchange format that can be used for storing, recording, and transmitting digitized acoustic human voice data (speech) assumed to be from a single speaker recorded in a single session. This format is designed specifically to support a wide variety of Speaker Identification and Verification (SIV) applications, both text-dependent and text-independent, with minimal assumptions made regarding the voice data capture conditions or the collection environment.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 24779-4:2017 [202x], Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, icons and symbols for use with biometric systems - Part 4: Fingerprint applications (identical national adoption of ISO/IEC 24779-4:2017)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Contains a set of symbols, icons, and pictograms to help the general public understand the concepts and procedures for using electronic systems that collect and/or process fingerprints. This set of symbols, icons, and pictograms is designed to be used to: identify the type of biometric device, provide static instructions related to a fingerprint device, display dynamic real-time information related to the fingerprint device, and indicate the status of the fingerprint device.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 24779-5:2020 [202x], Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, icons and symbols for use with biometric systems - Part 5: Face applications (identical national adoption of ISO/IEC 24779-5:2020)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Contains a set of pictograms, icons, and symbols to help the general public understand the concepts and procedures for using electronic systems that collect and/or evaluate facial images. Operators can use this document, with the possibility of using additional symbols and information. This set of pictograms, icons, and symbols is designed to be used to: identify the type of biometric sensor; provide supporting instructions related to facial image collection.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30106-1:2016 [202x], Information technology - Object oriented BioAPI - Part 1: Architecture (identical national adoption of ISO/IEC 30106-1:2016)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies an architecture for a set of interfaces which define the OO BioAPI. Components defined in this part of ISO/IEC 30106 include a framework, Biometric Service Providers (BSPs), Biometric Function Providers (BFPs), and a component registry.
NOTE: Each of these components have an equivalent component specified in ISO/IEC 19784-1 as the OO BioAPI is intended to be an OO interpretation of this part of ISO/IEC 30106.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30106-2:2020 [202x], Information technology - Object oriented BioAPI - Part 2: Java implementation (identical national adoption of ISO/IEC 30106-2:2020)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies an interface of a BioAPI Java framework and BioAPI Java BSP, which will mirror the corresponding components, specified in ISO/IEC 30106-1. The semantic equivalent of ISO/IEC 30106-1 is maintained in this document.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30106-3:2020 [202x], Information technology - Object oriented BioAPI - Part 3: C implementation (identical national adoption of ISO/IEC 30106-3:2020)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies an interface of a BioAPI C# framework and BioAPI C# BSP which mirror the corresponding components specified in ISO/IEC 30106-1. The semantic equivalence of this document will be maintained with ISO/IEC 30106-2 (Java implementation). In spite of the differences in actual parameters passed between functions, the names, and interface structure are the same.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30106-4:2019 [202x], Information technology - Object oriented BioAPI - Part 4: C++ implementation (identical national adoption of ISO/IEC 30106-4:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies an interface of a BioAPI C++ framework and BioAPI C++ BSP which will mirror the corresponding components specified in ISO/IEC 30106-1. The semantic equivalence of this document will be maintained with ISO/IEC 30106-2 (Java implementation) and ISO/IEC 30106-3 (C# implementation). In spite of the differences in actual parameters passed between functions, the names and interface structure are the same.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30106-1:2016/AM1:2019 [202x], Information technology - Object oriented BioAPI - Part 1: Architecture - Amendment 1: Additional specifications and conformance statements (identical national adoption of ISO/IEC 30106-1:2016/AM1:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Amendment 1 to ISO/IEC 30106-1:2016.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30107-1:2016 [202x], Information technology - Biometric presentation attack detection - Part 1: Framework (identical national adoption of ISO/IEC 30107-1:2016)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Provide a foundation for PAD through defining terms and establishing a framework through which presentation attack events can be specified and detected so that they can be categorized, detailed, and communicated for subsequent decision making and performance assessment activities. This foundation is intended to not only introduce and frame the topics of presentation attacks and PAD but also to benefit other standards projects. This standard does not advocate a specific standard PAD method. The scope is limited to describing attacks that take place at the sensor during the presentation and collection of biometric characteristics.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30107-2:2017 [202x], Information technology - Biometric presentation attack detection - Part 2: Data formats (identical national adoption of ISO/IEC 30107-2:2017)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Defines data formats for conveying the mechanism used in biometric presentation attack detection and for conveying the results of presentation attack detection methods. The attacks considered in the ISO/IEC 30107 series take place at the sensor during the presentation and collection of the biometric characteristics. Any other attacks are outside the scope of this document.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30107-3:2017 [202x], Information technology - Biometric presentation attack detection - Part 3: Testing and reporting (identical national adoption of ISO/IEC 30107-3:2017)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Establishes principles and methods for performance assessment of presentation attack detection mechanisms; reporting of testing results from evaluations of presentation attack detection mechanisms; a classification of known attack types (in an informative annex).

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30107-4:2020 [202x], Information technology - Biometric presentation attack detection - Part 4: Profile for testing of mobile devices (identical national adoption of ISO/IEC 30107-4:2020)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Provides requirements for testing biometric presentation attack detection (PAD) mechanisms on mobile devices with local biometric recognition. This document lists requirements from ISO/IEC 30107-3 specific to mobile devices. It also establishes new requirements not present in ISO/IEC 30107-3. For each requirement, the profile defines an Approach in Presentation Attack Detection (PAD) Testing for Mobile Devices. For some requirements, numerical values or ranges are provided in the form of best practices. This profile is applicable to mobile devices that operate as closed systems with no access to internal results, including mobile devices with local biometric recognition as well as biometric modules for mobile devices.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30137-1:2019 [202x], Information technology - Use of biometrics in video surveillance systems - Part 1: System design and specification (identical national adoption of ISO/IEC 30137-1:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Defines the key terms for use in the specification of biometric technologies in a VSS, including metrics for defining performance; provides guidance on selection of camera types, placement of cameras, image specification, etc., for the operation of a biometric recognition capability in conjunction with a VSS; provides guidance on the composition of the gallery (or watchlist) against which facial images from the VSS are compared, including the selection of appropriate images of sufficient quality, and the size of the gallery in relation to performance requirements; makes recommendations on data formats for facial images and other relevant information (including metadata) obtained from video footage, used in watchlist images, or from observations made by human operators.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 39794-1:2019 [202x], Information technology - Extensible biometric data interchange formats - Part 1: Framework (identical national adoption of ISO/IEC 39794-1:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies rules and guidelines for defining extensible biometric data interchange formats that are extensible without invalidating previous data structures; the meaning of common data elements for use in extensible biometric data interchange formats; common data structures for tagged binary data formats based on an extensible specification in ASN.1; common data structures for textual data formats based on an XML schema definition; and conformance testing concepts and methodologies for testing the syntactic conformance of biometric data blocks.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 39794-4:2019 [202x], Information technology - Extensible biometric data interchange formats - Part 4: Finger image data (identical national adoption of ISO/IEC 39794-4:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies generic extensible data interchange formats for the representation of friction ridge image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information; examples of data record contents; application-specific requirements, recommendations, and best practices in data acquisition; and conformance test assertions and conformance test procedures applicable to this document.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 39794-5:2019 [202x], Information technology - Extensible biometric data interchange formats - Part 5: Face image data (identical national adoption of ISO/IEC 39794-5:2019)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies generic extensible data interchange formats for the representation of face image data: A tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information; examples of data record contents; application-specific requirements, recommendations, and best practices in data acquisition; and conformance test assertions and conformance test procedures applicable to this document.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 39794-6:2021 [202x], Information technology - Extensible biometric data interchange formats - Part 6: Iris image data (identical national adoption of ISO/IEC 39794-6:2021)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Specifies generic extensible data interchange formats for the representation of iris image data: a tagged binary data format based on an extensible specification in ASN.1 and a textual data format based on an XML schema definition that are both capable of holding the same information, examples of data record contents, application specific requirements, recommendations, and best practices in data acquisition, and conformance test assertions and conformance test procedures applicable to this document.

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700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org
Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 20027:2018 [202x], Information technology - Guidelines for slap tenprint fingerprintture (identical national adoption of ISO/IEC 20027:2018)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Provides guidelines to follow during the acquisition process of slap tenprints in order to obtain fingerprints of the best quality possible within acceptable time constraints.

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Contact: Deborah Spittle; comments@standards.incits.org

National Adoption

INCITS/ISO/IEC 30136:2018 [202x], Information technology - Performance testing of biometric template protection schemes (identical national adoption of ISO/IEC 30136:2018)

Stakeholders: ICT industry.
Project Need: Adoption of this International Standard is beneficial to the ICT industry.
Scope: Supports evaluation of the accuracy, secrecy, and privacy of biometric template protection schemes. It establishes definitions, terminology, and metrics for stating the performance of such schemes. Particularly, this document establishes requirements for the measurement and reporting of: theoretical and empirical accuracy of biometric template protection schemes, theoretical, and empirical probability of a successful attack on biometric template protection schemes (single or multiple), and the information leaked about the original biometric when one or more biometric template protection schemes are compromised. ISO/IEC 30136:2018 also gives guidance on measuring and reporting diversity and unlinkability of templates.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 www.nema.org
Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR ICEA T-28-562-202x, Test Method for Measurement of Hot Creep of Polymeric Insulations (revision of ANSI/ICEA T-28-562-2003 (R2014))

Stakeholders: Utility, power, municipal, testing labs.
Project Need: Current standard needs update.
Scope: This test method provides a procedure, which is suited for determining the relative degree of crosslinking of polymeric, electric cable insulations.

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 https://ul.org/
Contact: Alan McGrath; alan.t.mcgrath@ul.org

National Adoption

BSR/UL 61058-2-1-202x, Standard for Switches for Appliances - Part 2: Particular Requirements for Cord Switches (identical national adoption of IEC 61058-2-1)

Stakeholders: Manufacturers, purchasers, and consumers of switches for appliances including cord switches.
Project Need: To obtain national recognition of a safety standard covering switches for appliances including cord switches in order to reduce the risk of fire, electric shock, and/or injury to persons. Since this IEC-based standard will also be harmonized with CSA, it will help reduce barriers to trade in Canada as well as the other countries that use IEC standards.
Scope: This standard covers cord switches (mechanical or electronic) for appliances actuated by hand, by foot, or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A. These switches are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral or arranged separately from the switch. The transmission of a signal between the actuating member or sensing unit and the switch can be made either physically or electrically (for example, electrical, optical, acoustic, or thermal). Switches which incorporate additional control functions governed by the switch function are within the scope of this document. This document also covers the indirect actuation of the switch when the operation of the actuating member or sensing unit is provided by a remote control or a part of an appliance such as a door.

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
* Standard for consumer products

Comment Deadline: June 27, 2021

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

180 Technology Parkway, Peachtree Corners, GA 30092 | e: cking@ashrae.org, w: www.ashrae.org

Addenda

BSR/ASHRAE Addendum a to Standard 41.1-202x, Standard Methods for Temperature Measurements (addenda to ANSI/ASHRAE Standard 41.1-2020)
This addendum adds a definition for steady-state criteria and revises Sections 5.1, 5.2, 5.4, 5.5, 8.1, and 9.5.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Revision

BSR/NSF 14-202x (i121r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Revision

BSR/NSF 358-1-202x (i6r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)
This Standard establishes the minimum physical and performance requirements for plastic piping system components. These criteria were established for the protection of property, public health, and the environment.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: June 27, 2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org

Revision

BSR/NSF 358-3-202x (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016)
The physical and performance requirements in this standard apply to plastic piping system components as well as non-plastic components of the ground loop heat exchanger including but not limited to cross-linked polyethylene (PEX) pipes and fittings used in water-based ground-source heat pump systems. This standard does not cover refrigerant-based ground loop heat exchangers such as direct expansion (DX) systems. This Standard does not cover hydronic heating or cooling systems within buildings.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: rbrooker@nsf.org, w: www.nsf.org

Revision

BSR/NSF 455-4-202x (i30r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
This Standard is intended to define a standardized approach for auditing to determine the level of compliance of over-the-counter (OTC) drug products to 21 CFR Part 210 Current Good Manufacturing Practice in Manufacturing, Processing, Packing, or Holding of Drugs; General and 21 CFR Part 211 Current Good Manufacturing Practice for Finished Pharmaceuticals, well as incorporating additional retailer requirements. It refers to the requirements for good manufacturing practices (GMPs) applicable to all OTC drugs. It will assist in the determination of adequate facilities and controls for OTC drug manufacture with sufficient quality to ensure suitability for intended use.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: rbrooker@nsf.org

RVIA (Recreational Vehicle Industry Association)

1899 Preston White Drive, Reston, VA 20191-4326 | e: kperkins@rvia.org, w: www.rvia.org

New Standard

BSR/RVIA RVEC-1-202x, Recommended Practice Testing Requirements of Exterior Components for Recreational Vehicles (new standard)
This RVIA/RVEC-1 Recommended Practice addresses the proper laboratory testing and provides minimum safety criteria, through uniform testing, of exterior components when installed and used on recreational vehicles. This document provides information on the recommended testing procedures to improve exterior components reliability and enhance consumer safety. This Recommended Practice does not purport to state that any particular type of component or product should be used in any specific application or that any other particular practice, procedure, or methods will not achieve as good or better results, depending upon the particular circumstances involved, or will not be reasonably satisfactory for the type of operations the exterior component manufacturer performs, the type and volume of exterior components it produces, and other circumstances peculiar to its overall manufacturing and assembly processes.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Kent Perkins; kperkins@rvia.org

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Wathma.Jayathilake@ul.org, w: https://ul.org/

Revision

BSR/UL 827-202X, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2020)
Work From Home Requirements
Click here to view these changes in full
Send comments (copy 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: June 27, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: patricia.a.sena@ul.org, w: https://ul.org/

Revision

BSR/UL 943B-202X, Standard for Safety for Appliance Leakage-Current Interrupters (revision of ANSI/UL 943B-2017)
Revision to the auto-monitoring function to make this an optional feature for ALCIs.
Click here to view these changes in full
Send comments (copy 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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: annemarie.jacobs@ul.org, w: https://ul.org/

Revision

BSR/UL 1574-202x, The Standard for Safety for Track Lighting Systems (revision of ANSI/UL 1574-2020)
The following change to the third edition of UL 1574, Standard for Safety for Track Lighting Systems is being proposed: Revision to the Strength of Adaptor Test.
Click here to view these changes in full
Send comments (copy 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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 | e: megan.monsen@ul.org, w: https://ul.org/

Revision

BSR/UL 5085-2-202x, Standard for Safety for Low Voltage Transformers (revision of ANSI/UL 5085-2-2012 (R2017))
This proposed Second Edition of the Standard for Low Voltage Transformers - Part 2: General Purpose Transformers, UL 5085-2, includes the following proposal: Alternate Temperature Rise Test Loading Methods.
Click here to view these changes in full
Send comments (copy 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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | e: Amy.K.Walker@ul.org, w: https://ul.org/

Revision

BSR/UL 8750-202x, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2021)
This proposal for UL 8750 covers: (3) Potting compounds; (4) Feedthrough circuits and receptacles.
Click here to view these changes in full
Send comments (copy 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: July 12, 2021

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | e: tambrosius@aafs.org, w: www.aafs.org

New Standard

BSR/ASB Std 127-202x, Standard for the Preservation and Examination of Charred Documents (new standard)
This document establishes the minimum required procedures used by Forensic Document Examiners (FDEs) in the preservation of, examination of, and reporting on charred documents. This generally includes the examination of charred documents for content (writing, printing), material (paper, cardboard, plastic, etc.) and source determination. This does not include chemical examination of documents for accelerants or source of combustion. Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the previous public comment period will not be accepted.
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: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website www.asbstandardsboard.org free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | e: tambrosius@aafs.org, w: www.aafs.org

New Standard

BSR/ASB Std 128-202x, Standard for the Preservation and Examination of Liquid Soaked Documents (new standard)
This document establishes the minimum required procedures used by Forensic Document Examiners (FDEs) in the preservation of, examination of, and reporting on liquid-soaked documents. This generally includes the examination of documents exposed to liquids (water, blood, oils, etc.) for content (writing, printing), material (paper, cardboard, plastic, etc.), and source determination. This standard does not include the examination of documents for the identification of the liquid contaminate(s). Please note that comments on a re-circulation will only be accepted on revised sections of a document, comments made to text not revised from the previous public comment period will not be accepted.
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: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website www.asbstandardsboard.org free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | e: cbernier@aami.org, w: www.aami.org

National Adoption

BSR/AAMI/ISO 18472-202x, Sterilization of health care products - Biological and chemical indicators - Test equipment (identical national adoption of ISO 18472:2018)
This document specifies the requirements for test equipment to be used to:
- test biological indicators for steam, ethylene-oxide-gas, and dry-heat sterilization processes for conformity to the requirements given in ISO 11138 series;
- test chemical indicators for steam, ethylene-oxide-gas, dry-heat and vaporized hydrogen peroxide sterilization processes for conformity to the requirements given in ISO 11140-1:2014.
This document also provides informative methods useful in characterizing the performance of biological and chemical indicators for intended use and for routine quality control testing.
Single copy price: Free
Obtain an electronic copy from: cbernier@aami.org
Order from: Cliff Bernier; cbernier@aami.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 12, 2021

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | e: abenedict@aami.org, w: www.aami.org

New Standard

BSR/AAMI ST98-202x, Cleaning validation of health care products - Requirements for development and validation of a cleaning process for medical devices (new standard)
This standard covers the requirements to validate the cleaning instructions that are provided by the medical device manufacturer for processing medical devices.
Single copy price: Free
Obtain an electronic copy from: abenedict@aami.org
Send comments (copy psa@ansi.org) to: abenedict@aami.org

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | e: abenedict@aami.org, w: www.aami.org

Reaffirmation

BSR/AAMI/ISO 13408-3-2012 (R202x), Aseptic processing of health care products - Part 3: Lyophilization (reaffirm a national adoption ANSI/AAMI/ISO 13408-3-2012 (R2015))
Specifies requirements for and offers guidance on equipment, processes, programs, and procedures for the control and validation of lyophilization as an aseptic process. It does not address the physical/chemical objectives of a lyophilization process.
Single copy price: $131.00
Obtain an electronic copy from: https://store.aami.org/s/store#/store/browse/detail/a152E000006j5rzQAA
Send comments (copy psa@ansi.org) to: abenedict@aami.org

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 | e: StandardsAssist@gmail.com, w: www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB -2020)
This standard specifies practices and minimum requirements for reducing radon and soil gas in schools and large buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards relative to the practice of installing Active Soil Depressurization (ASD) mitigation method: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.
Single copy price: $TBD.00
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 | e: StandardsAssist@gmail.com, w: www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)
This standard specifies practices and minimum requirements for reducing radon in existing Multifamily Buildings. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

Comment Deadline: July 12, 2021

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 | e: StandardsAssist@gmail.com, w: www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)
This standard specifies practices and minimum requirements for reducing radon and soil gas in existing homes. These proposed revisions apply to simultaneous harmonization for portions of three different mitigation standards: SGM-SF 2017, RMS-MF 2018, and RMS-LB 2018.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | e: kbest@ahrinet.org, w: www.ahrinet.org

New Standard

BSR/AHRI Standard 390 (I-P)-202x, Performance Rating of Single Package Vertical Air-Conditioners and Heat Pumps (new standard)
The purpose of this standard is to establish, for factory-assembled commercial or industrial Single Package Vertical Air-conditioner and Heat Pump equipment: definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; operating requirements; marking and nameplate data; and conformance conditions.
Single copy price: Free
Obtain an electronic copy from: https://ahrinet.org/standards/how-to-participate
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | e: kmurdoch@ans.org, w: www.ans.org

New Standard

BSR/ANS 3.14-202x, Process for Infrastructure Aging Management and Life Extension of Non-Reactor Nuclear Facilities (new standard)
This standard addresses requirements for systematically evaluating SSCs for extending the life of nonreactor nuclear facilities. This standard provides a systematic process to determine the scope of the aging management/life extension program in terms of SSCs. For those SSCs, a process for the evaluation of remaining lifetime and determining the need for additional analysis, repairs, inspections, surveillance, testing, and spare part obsolescence will be developed.
Single copy price: $25.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: pschroeder@ans.org

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | e: kmurdoch@ans.org, w: www.ans.org

Reaffirmation

BSR/ANS 8.14-2004 (R202x), Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors (reaffirmation of ANSI/ANS 8.14-2004 (R2016))
The Standard provides guidance for the use of soluble neutron absorbers for criticality control. The Standard addresses neutron absorber selection, system design and modifications, safety evaluations, and quality control programs.
Single copy price: $47.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: pschroeder@ans.org

Comment Deadline: July 12, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | e: ansibox@asme.org, w: www.asme.org

Revision

BSR/ASME B31T-202x, Standard Toughness Requirements for Piping (revision of ANSI/ASME B31T-2018)
This standard provides requirements for evaluating the suitability of materials used in piping systems for piping that may be subject to brittle failure due to low-temperature service conditions.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Jihoon Oh; ohj@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | e: dgreco@atis.org, w: www.atis.org

Revision

BSR/ATIS 0600028-202x, DC Power Wire and Cable for Telecommunications Power Systems for XHHW / XHHW-2 and DLO/Halogenated RHH-RHW Cable Types (revision of ANSI/ATIS 0600028-2016)
This document describes standard dimensions and testing for XHHW and DLO type wires to be used for telecommunications power and grounding as an alternative to the RHH-RHW cable described in ATIS-0600017.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | e: dgreco@atis.org, w: www.atis.org

Revision

BSR/ATIS 0600318-202x, Electrical Protection Applied to Telecommunications Network Plant at Entrances to Customer Structures or Buildings (revision of ANSI/ATIS 0600318-2016)
This standard establishes minimum electrical protection requirements intended to mitigate the disruptive and damaging effects of lightning and ac power-line faults at telecommunications network entrances to customer structures or buildings. Disturbances from lightning and ac power-line faults may be disruptive to telecommunications service and may also result in damage to the telecommunications plant and equipment. A telecommunications network plant is often exposed to such disturbances due to its physical location and frequent joint-use or joint right-of-way installations with power utility facilities and may carry a portion of these disturbances to the network appearance at a customer structure or building. Telecommunications service providers employ electrical protection equipment and bonding and grounding techniques at the network appearance to reduce the effects of such disturbances.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | e: dgreco@atis.org, w: www.atis.org

Revision

BSR/ATIS 0600338-202x, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)
Many types of communications devices contain secondary surge protection devices or components either integral to their designs or placed near the protected equipment. External primary surge protection devices or components, typically placed where the outside plant enters a structure, are normally used to prevent excessive currents and voltages from entering the structure or equipment, where they could cause injury or damage. This standard addresses the proper electrical coordination of primary devices or components and secondary surge protection devices or components.
Single copy price: Free
Obtain an electronic copy from: dgreco@atis.org
Send comments (copy psa@ansi.org) to: dgreco@atis.org

Comment Deadline: July 12, 2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | e: jrosario@aws.org, w: www.aws.org

New Standard

BSR/AWS C4.4/C4.4M-202X, Recommended Practices for Heat Shaping and Straightening with Oxyfuel Gas Heating Torches (new standard)
This third edition of Recommended Practices for Heat Shaping and Straightening covers the shaping of metal products by prudent use of heat to obtain a desired configuration. The text reviews the theory and analytical calculations that explain how heat shaping and straightening occurs. Sample calculations and tables are presented for typical materials. General heating patterns and heat shaping and straightening techniques are discussed. Specific heating applications are illustrated for various sections.
Single copy price: $38.00
Obtain an electronic copy from: jrosario@aws.org
Order from: Jennifer Rosario; jrosario@aws.org
Send comments (copy psa@ansi.org) to: adavis@aws.org

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | e: mdiaz@aws.org, w: www.aws.org

Revision

BSR/AWS D8.9M-202x, Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive Sheet Steel Materials (revision of ANSI/AWS D8.9M-2012)
The test methods are intended for application in a laboratory environment to characterize certain aspects of the welding behavior of sheet steel products under controlled experimental conditions. They are not intended to simulate production welding practices or to predict welding performance of a given grade of steel in production operations. The test methods and parameters are designed to be used for sheet steels (typically in automotive applications) ranging in thickness from 0.6 mm to 3.0 mm.
Single copy price: $40.00
Obtain an electronic copy from: mdiaz@aws.org
Order from: Mario Diaz; mdiaz@aws.org
Send comments (copy psa@ansi.org) to: Same

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 | e: ansi.contact@csagroup.org, w: www.csagroup.org

Reaffirmation

BSR/CSA NGV1-2017 (R202x), Compressed natural gas vehicle (NGV) fueling connection devices (reaffirmation of ANSI/CSA NGV1-2017)
This standard applies to newly produced compressed Natural Gas Vehicle (NGV) fueling connection devices constructed entirely of new, unused parts and materials. NGV fueling connection devices shall consist of receptacle and cap, nozzle and/or three-way valve.
Single copy price: Free
Obtain an electronic copy from: ansi@csagroup.org
Order from: David Zimmerman; ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi@csagroup.org

Comment Deadline: July 12, 2021

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | e: ldonohoe@ecianow.org, w: www.ecianow.org

Revision

BSR/EIA 364-G-202x, Electrical Connector/Socket Test Procedures Including Environmental Classifications (revision and redesignation of ANSI/EIA 364-F-2014)
This standard establishes a recommended minimum test sequence and test procedures for electrical connectors and sockets. This standard also includes administrative details and guidelines for connector/socket qualification and an annex for pertinent technical information.
Single copy price: $101.00
Obtain an electronic copy from: https://global.ihs.com/
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | e: ldonohoe@ecianow.org, w: www.ecianow.org

Revision

BSR/EIA 364-10J-202x, Fluid Immersion Test Procedure for Electrical Connectors, Sockets and Cable Assemblies (revision and redesignation of ANSI/EIA 364-10H-2019)
This standard establishes test methods to determine the ability of an electrical connector or connector assembly to resist degradation due to exposure to specific fluids with which the connector assembly may come into contact during its service life.
Single copy price: $78.00
Obtain an electronic copy from: https://global.ihs.com/
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | e: ldonohoe@ecianow.org, w: www.ecianow.org

Revision

BSR/EIA 887-B-202x, Resistors, Thin Film Array on Silicon - Molded (revision and redesignation of ANSI/EIA 887-A-2015)
This specification defines the requirements for a family of thin film resistor networks on silicon with various configurations, packaged in a molded, JEDEC-approved package.
Single copy price: $76.00
Obtain an electronic copy from: www.global.ihs.com
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | e: terry.burger@asse-plumbing.org, w: www.asse-plumbing.org

New Standard

BSR/ASSE Standard 1049-202x, Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems (new standard)
Individual and Branch Type Air Admittance Valves for Chemical Waste Systems (AAVCs) are devices used in chemical waste systems to prevent the siphonage of trap seals. These devices do not relieve back pressure; they only allow air to enter the system. These devices are designed to be used for individual fixtures or for a horizontal branch serving multiple fixtures.
Single copy price: $45.00
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

Comment Deadline: July 12, 2021

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | e: terry.burger@asse-plumbing.org, w: www.asse-plumbing.org

New Standard

BSR/ASSE Standard 1050-202x, Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems (new standard)
These devices consist of a one-way valve designed to allow air to enter the plumbing drainage system when a pressure less than atmospheric develops. The device closes and seals by gravity under zero (0) differential pressure (static condition) and under positive pressure. These devices prevent sewer gases from entering a building.
Single copy price: $45.00
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | e: terry.burger@asse-plumbing.org, w: www.asse-plumbing.org

New Standard

BSR/ASSE Standard 1051-202x, Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems (new standard)
Performance requirements for individual and branch type air admittance valves for sanitary drainage systems.
Single copy price: $45.00
Obtain an electronic copy from: terry.burger@asse-plumbing.org
Send comments (copy psa@ansi.org) to: terry.burger@asse-plumbing.org

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

5001 East Philadelphia Street, Ontario, CA 91761 | e: standards@iapmostandards.org, w: https://www.iapmostandards.org

New Standard

BSR/IAPMO H1001.1-202x, Quality of Heat Transfer Fluids Used in Hydronics Systems (new standard)
This Standard is intended to provide minimum requirements for maintaining quality of liquid-aqueous-based heat-transfer fluids over the life of the system and optimizing the life of system components in both residential and non-residential closed hydronic heating and cooling applications.
Single copy price: Free
Obtain an electronic copy from: standards@iapmostandards.org
Order from: Kyle Thompson; kyle.thompson@iapmo.org
Send comments (copy psa@ansi.org) to: Same

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | e: J.Santulli@ieee.org, w: www.ieee.org

Revision

BSR N42.41-202x, Standard Minimum Performance Criteria for Active Interrogation Systems Used for Homeland Security (revision of ANSI N42.41-2007 (R2017))
This standard specifies the operational and performance requirements for active interrogation systems for use in homeland security applications.
Single copy price: $134.00
Obtain an electronic copy from: j.santulli@ieee.org
Send comments (copy psa@ansi.org) to: j.santulli@ieee.org

Comment Deadline: July 12, 2021

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | e: caitlin.mimnaugh@necanet.org, w: www.neca-neis.org

New Standard

BSR/NECA LPI 781-202x, Recommended Practice for Installing and Maintaining Lightning Protection Systems (new standard)
This standard covers quality and performance criteria and best practices for lightning protection system design and installation for both new construction and existing structures. The fundamental components of lightning protection systems are covered as well as fundamental information related to lightning protection system design and system maintenance.
Single copy price: $30.00 member/ $60.00 non-member
Obtain an electronic copy from: neis@necanet.org
Send comments (copy psa@ansi.org) to: neis@necanet.org

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C82.3-2016 (R202x), Standard for Electric Lamps - Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016)
This standard describes the essential design features and operating characteristics of reference ballasts for fluorescent lamps. The items specified are those that have been found necessary to ensure accurate and reproducible results when either lamps or ballasts are being tested. It includes requirements for both line-frequency and high-frequency circuits. The specific values of rated input voltage and impedance for each size of lamp are listed in the applicable ANSI C78 lamp standard.
Single copy price: $80.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C82.5-2016 (R202x), Standard for Lamp Ballasts - High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016)
This standard describes the essential features and operating characteristics of reference ballasts for high-intensity discharge and low-pressure sodium lamps to operate on 60-Hz sinusoidal ballast systems. The items specified are those that have been found necessary to ensure accurate and reproducible results when either lamps or ballasts are being tested. The specific values of rated input voltage and impedance needed for each size of lamp are listed in the appropriate standards for high-intensity-discharge and low pressure sodium lamps, ANSI C78.1300 series (ANSI C78.40-1992, Specifications for Mercury Lamps, ANSI C78.41-2006, Guidelines for Low- Pressure Sodium Lamps, ANSI C78.42-2007, High-Pressure Sodium Lamps, ANSI C78.43-2007, Single-Ended Metal Halide Lamps, and ANSI C78.44-2006, Double-Ended Metal Halide Lamps).
Single copy price: $125.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 12, 2021

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C82.9-2016 (R202x), Standard for Lamp Ballasts - High-Intensity Discharge and Low-Pressure Sodium Lamps - Definitions (reaffirmation of ANSI C82.9-2016)
This standard provides definitions related to specific terms contained in HID and LPS lamps and ballast standards.
Single copy price: $110.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Reaffirmation

BSR C82.14-2016 (R202x), Standard for Lamp Ballasts - Low-Frequency Square Wave Electronic Ballasts for Metal Halide Lamps (reaffirmation of ANSI C82.14-2016)
This standard provides specifications for and operating characteristics of low frequency square wave electronic ballasts for metal halide lamps. Electronic ballasts are devices that use semiconductors to control lamp starting and operation. The ballasts operate from multiple supply sources of 600V maximum at a frequency of 60 hertz. The output frequency of electronic ballasts may be of some frequency other than 60 hertz. This standard only covers lamp operating current frequencies from greater than 60 hertz up to 400 hertz (some exclusionary frequency ranges may apply). An electronic square wave ballast is defined as an electronic ballast whose operating lamp current waveform is essentially a square wave with defined rise/fall times stated in the C78.43 lamp standards.
Single copy price: $55.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | e: Michael.Erbesfeld@nema.org, w: www.nema.org

Stabilized Maintenance

BSR C82.2-2002 (S202x), Standard for Lamp Ballasts - Method of Measurement of Fluorescent Lamp Ballasts (stabilized maintenance of ANSI C82.2-2002 (R2016))
This standard outlines the procedures to be followed and the precautions to be observed in measuring and testing line frequency fluorescent lamp ballasts as specified in C82.1 with either hot-cathode or cold-cathode fluorescent lamps.
Single copy price: $70.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 12, 2021

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | e: darnold@nena.org, w: www.nena.org

New Standard

BSR/NENA STA.021.1-202x, NENA Standard for Emergency Incident Data Object (EIDO) (new standard)
As agencies and regions move forward with implementing NG9-1-1 and IP based emergency communications systems, it is critical that they adhere to a standardized, industry neutral format for exchanging emergency incident information between disparate manufacturer's systems located within one or more public safety agencies, and with other incident stakeholders. Produce a standard and accompanying JSON schema which supports the transfer of an emergency call as specified in NENA-STA-010.3.
Single copy price: Free
Obtain an electronic copy from: Download and comment at https://dev.nena.org/higherlogic/ws/public/document?document_id=23026&wg_id=b6bd3db3-f0b7-4c24-a948-631042e80059 or email standardscoord@nena.org
Order from: Delaine Arnold; darnold@nena.org
Send comments (copy psa@ansi.org) to: Same

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | e: darnold@nena.org, w: www.nena.org

New Standard

BSR/NENA STA-017.1-202x, Changing Role of the Telecommunicator in the NG9-1-1 Environment (new standard)
The continuing implementation of NG9-1-1 will result in significant impacts on Telecommunicators and other 9-1-1 professionals. The 9-1-1 community is in need of guidance on what these impacts will be so that they may begin related planning efforts. Examples of the changes they will need to address include: changes in job qualifications; changes in job skills, knowledge and abilities; and potential changes in stress-related impacts, among many others. In addition, the very nature of the job of a 9-1-1 telecommunicator may change as they become involved with data and sensor analysis and interpretation. Together, this information will help not only the current managers and leaders in the field as they prepare for impacts on telecommunicators, but also human resources professionals, educators, and individuals interested in the profession.
Single copy price: Free
Obtain an electronic copy from: Download & submit comments at https://dev.nena.org/higherlogic/ws/public/document?document_id=22922&wg_id=847ee342-bd29-4f1f-9f98-34f196cb56f7 or email standardscoord.nena.org.
Order from: Delaine Arnold; darnold@nena.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: July 12, 2021

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | e: PFoley@nfpa.org, w: www.nfpa.org

NFPA FIRE PROTECTION STANDARDS DOCUMENTATION

The National Fire Protection Association announces the availability of the NFPA First Draft Reports for concurrent review and comment by NFPA and ANSI. These First Draft Reports contain the disposition of public inputs that were received for standards in the Annual 2022 Revision Cycle.

The First Draft Report is located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example ww.nfpa.org/101next), can easily access the document's information page. All Comments on standards in the Annual 2022 Revision Cycle must be submitted by July 27, 2021. The disposition of all comments received from the review of the First Draft Report will be published in the Second Draft Report, and will also be available on the document's information page under the next edition tab.

For more information on the rules and up-to-date information on deadlines for processing NFPA standards, check the NFPA website (http://www.nfpa.org) or contact Standards Administration at NFPA. Those who submit comments to NFPA are invited to copy ANSI's Board of Standards Review.

Revision

BSR/NFPA 780-202x, Standard for the Installation of Lightning Protection Systems (revision of ANSI/NFPA 780-2020)

This document shall cover traditional lightning protection system installation requirements for the following: (1) Ordinary structures; (2) Miscellaneous structures and special occupancies; (3) Heavy-duty stacks; (4) Structures containing flammable vapors, flammable gases, or liquids that can give off flammable vapors; (5) Structures housing explosive materials; (6) Wind turbines; (7) Watercraft; (8) Airfield lighting circuits; and (9) Solar arrays. This document shall address lightning protection of the structure but not the equipment or installation requirements for electric generating, transmission, and distribution systems, except as given in Chapter 9 and Chapter 12. Electric generating facilities whose primary purpose is to generate electric power are excluded from this standard with regard to generation, transmission, and distribution of power. Most electrical utilities have standards covering the protection of their facilities and equipment. Installations not directly related to those areas and structures housing such installations can be protected against lightning by the provisions of this standard. This document shall not cover lightning protection system installation requirements for early streamer emission systems or charge dissipation systems.

Obtain an electronic copy from: www.nfpa.org/780Next

Send comments (copy psa@ansi.org) to: www.nfpa.org/780Next

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02269-9101 | e: PFoley@nfpa.org, w: www.nfpa.org

Revision

BSR/NFPA 855-202x, Standard for the Installation of Stationary Energy Storage Systems (revision of ANSI/NFPA 855-2020)
This standard applies to the design, construction, installation, commissioning, operation, maintenance, and decommissioning of stationary energy storage systems (ESS), including mobile and portable ESS installed in a stationary situation and the storage of lithium metal or lithium-ion batteries.
Obtain an electronic copy from: www.nfpa.org/855Next
Send comments (copy psa@ansi.org) to: www.nfpa.org/855Next

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | e: kcooney@scte.org, w: www.scte.org

Revision

BSR/SCTE 224-202x, Event Scheduling and Notification Interface (ESNI) (revision of ANSI/SCTE 224-2020)
This document defines the Event Scheduling and Notification Interface (ESNI), which is a web interface facilitating the transmission of event and policy information. ESNI provides a functional method for providers to communicate upcoming schedule or signal-based events and corresponding policy to distributors. This interface allows existing content distribution controls traditionally performed via manual control in IRDs by providers to be replaced with a programmatic interface (this standard). ESNI policy enables control of content distributed to audiences based on attributes of that audience including (but not limited to) geographic location and device type.
Single copy price: $50.00
Obtain an electronic copy from: admin@standards.scte.org
Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com
Send comments (copy psa@ansi.org) to: admin@standards.scte.org

Comment Deadline: July 12, 2021

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | e: info@spri.org, w: www.spri.org

Reaffirmation

BSR/SPRI FX-1-2016 (R202x), Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners (reaffirmation of ANSI/SPRI FX-1-2016)
This standard provides procedures used in the field to test the pullout resistance of all types of fasteners. The data developed from these tests provide the roof system manufacturer, design professional, and other practitioners with pullout resistance values for the specific fastener installed into the load resisting material of the deck.
Single copy price: Free
Obtain an electronic copy from: info@spri.org
Order from: Linda King; info@spri.org
Send comments (copy psa@ansi.org) to: Same

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | e: info@spri.org, w: www.spri.org

Reaffirmation

BSR/SPRI GT-1-2016 (R202x), Test Standard for Gutter Systems (reaffirmation of ANSI/SPRI GT-1-2016)
This standard provides methodology for the structural testing of gutters used with low-slope roofing. This standard specifies structural testing for external gutters used with low-slope (2 in 12 or less) roofing. This standard does not address water removal or the water-carrying capability of the gutter as other building codes already address this issue. This standard does not consider downspouts or leaders.
Single copy price: Free
Obtain an electronic copy from: Linda King, info@spri.org
Order from: Linda King; info@spri.org
Send comments (copy psa@ansi.org) to: Same

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

National Adoption

BSR/TIA 455-3-C-202x, FOTP-3 Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Components (national adoption of IEC 60794122 with modifications and revision of ANSI/TIA 455-3B -2009 (R2014))
This document is to revise ANSI/TIA-455-3B to: (1) Harmonize the rate of temperature change with IEC 60794-1-22, Method F1l; (2) Harmonize temperature precision with IEC 60794-1-22, Method F1.
Single copy price: $79.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

National Adoption

BSR/TIA 526-14-D-202x, Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant; IEC 61280-4-1 edition 3, Fiber-Optic Communications Subsystem Test Procedures - Part 4-1: Installed Cable Plant - Multimode Attenuation Measurement (national adoption of IEC 61280-4-1 with modifications and revision of ANSI/TIA 526-14-C-2015)
Proposal to revise to add reference to bend-insensitive MM fiber for testing with EF-compliant launch cord.
Single copy price: $174.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

Comment Deadline: July 12, 2021

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

New Standard

BSR/TIA 5071-202x, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard)
This Standard specifies the reporting and accuracy performance requirements of field testers for balanced single twisted-pair cabling measurements specified in ANSI/TIA 568.5 and the appropriate 42.9 document. This Standard contains methods to compare the field instrument measurements against laboratory equipment measurements specified in ANSI/TIA 568.5 Measurement accuracy, based upon the assumptions for key performance parameters is addressed.
Single copy price: $112.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org

Reaffirmation

BSR/TIA 1152-A-2016 (R202x), Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling (reaffirmation of ANSI/TIA 1152-A-2016)
Reaffirm ANSI/TIA 1152-2009 as determined in TIA TR-42.7, incorporating new specifications and other information as required to support field testing of cabling described in ANSI/TIA 568-C.2-1.
Single copy price: $133.00
Obtain an electronic copy from: TIA (standards-process@tiaonline.org)
Order from: TIA (standards-process@tiaonline.org)
Send comments (copy psa@ansi.org) to: standards-process@tiaonline.org

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | e: alan.t.mcgrath@ul.org, w: https://ul.org/

National Adoption

BSR/UL 60730-2-9-202X, Standard for Automatic Electrical Controls - Part 2-9: Particular requirements for temperature sensing controls (identical national adoption of IEC 60730-2-9 and revision of ANSI/UL 60730-2-9-2020)
Adoption of the second amendment to IEC 60730-2-9.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Julio.Morales@UL.org, w: https://ul.org/

National Adoption

BSR/UL 62368-1-202x, Standard for Safety for Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements (identical national adoption of IEC 62368-1 and revision of ANSI/UL 62368-1-2019)
This proposal for UL 62368-1 covers: (1) Revisions to reflect updates to correlate with NFPA 70:2020 and NFPA 75:2020; (2) Removal of 60320-1 from Annex DVF.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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: July 12, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Annabelle.Hollen@ul.org, w: https://ul.org/

Reaffirmation

BSR/UL 1638A-2016 (R202x), Standard for Safety for Visual Signal Appliances for General Signaling Use (reaffirmation of ANSI/UL 1638A-2016)
UL proposes a reaffirmation for ANSI approval of UL 1638A-2016. The requirements of this standard cover electrically operated visual-signaling appliances, rated 300 volts or less, and intended for indoor locations, outdoor locations, or both, in accordance with the National Electrical Code, NFPA 70. These requirements cover visual signaling appliances for use in ordinary locations. Visual-signaling appliances for use in hazardous locations, as defined in the National Electrical Code, NFPA 70, are evaluated on the basis of their compliance with these requirements and further appropriate examination and tests to determine their acceptability for such use. These requirements cover general signal use visual signaling appliances that are intended for non-emergency use. These visual signals do not contain any sensory functions and are intended to be connected to or controlled by other equipment.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Vickie.T.Hinton@ul.org, w: https://ul.org/

Reaffirmation

BSR/UL 60079-17-2017 (R202x), Standard for Safety for Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance (reaffirm a national adoption ANSI/UL 60079-17-2017)
This proposal for UL 60079-17 covers: the Reaffirmation and continuance of the Fifth Edition of the Standard for Safety for Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance, UL 60079-17, as an American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Vickie.T.Hinton@ul.org, w: https://ul.org/

Reaffirmation

BSR/UL 60079-30-1-2017 (R202x), Standard for Safety for Explosive Atmospheres - Part 30-1: Electrical Resistance Trace Heating - General and Testing Requirements (reaffirm a national adoption ANSI/UL 60079-30-1-2017)
This proposal for UL 60079-30-1 covers: the Reaffirmation and continuance of the First Edition of the Standard for Safety for Explosive Atmospheres - Part 30-1: Electrical Resistance Trace Heating - General and Testing Requirements, UL 60079 -30-1, as an American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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: July 12, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: kelly.smoke@ul.org, w: https://ul.org/

Revision

BSR/UL 499-202x, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2017)
(1) PTC heater endurance cycles for glue guns; (2) UL 746C enclosures; (3) Supply cord length of instantaneous water heaters; (4) Overcurrent protection; (5) Electronic media instructions; (6) Addition of IEC 62471 for Ultraviolet (UV) radiation evaluation; and (7) Addition of UL 969A as a replacement to existing permanency of marking requirements for cord tags.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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: July 27, 2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | e: jeffrey.prusko@ul.org, w: https://ul.org/

Revision

BSR/UL 30-202x, Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids (revision of ANSI/UL 30-2004 (R2019))
The following is being proposed: (1) The joint UL/ULC Standard for Safety for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids, merging the current UL 30 with UL 1313, and ULC ORD-C30. The standard will cover metallic and nonmetallic safety cans: (a) With a maximum capacity of 5.3 US gallons (20L) (b) That are intended to store and handle flammable and combustible liquids; and (c) That are used for commercial and industrial applications.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

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.

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | e: ansibox@asme.org, w: www.asme.org

Reaffirmation

ANSI/ASME B1.7-2006 (R2021), Screw Threads: Nomenclature, Definitions, and Letter Symbols (reaffirmation of ANSI/ASME B1.7-2006 (R2016)) Final Action Date: 5/20/2021

Reaffirmation

ANSI/ASME B1.8-1988 (R2021), Stub Acme Screw Threads (reaffirmation of ANSI/ASME B1.8-1988 (R2016)) Final Action Date: 5/20/2021

Reaffirmation

ANSI/ASME HRT-1-2016 (R2021), Rules for Hoisting, Rigging, and Transporting Equipment for Nuclear Facilities (reaffirmation of ANSI/ASME HRT-1-2016) Final Action Date: 5/20/2021

Reaffirmation

ANSI/ASME MFC-7-2016 (R2021), Measurement of Gas Flow by Means of Critical Flow Venturi Nozzles (reaffirmation of ANSI/ASME MFC-7-2016) Final Action Date: 5/21/2021

Withdrawal

ANSI/ASME EA-2-2009 (R2015), Energy Assessment for Pumping Systems (withdrawal of ANSI/ASME EA-2-2009 (R2015)) Final Action Date: 5/24/2021

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | e: sborrero@aws.org, w: www.aws.org

Revision

ANSI/AWS G2.4/G2.4M-2021, Guide for the Fusion Welding of Titanium and Titanium Alloys (revision of ANSI/AWS G2.4/G2.4M-2014) Final Action Date: 5/20/2021

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | e: standards@esta.org, w: www.esta.org

Reaffirmation

ANSI E1.3-2001 (R2021), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (reaffirmation of ANSi E1.3-2001 (R2016)) Final Action Date: 5/21/2021

Reaffirmation

ANSI E1.27-1-2006 (R2021), Entertainment Technology - Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-1-2006 (R2016)) Final Action Date: 5/21/2021

Reaffirmation

ANSI E1.30-1-2010 (R2021), EPI 23. Device Identification Subdevice (reaffirmation of ANSI E1.30-1-2010 (R2016)) Final Action Date: 5/21/2021

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | e: J.Santulli@ieee.org, w: www.ieee.org

Revision

ANSI N42.34-2021, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides (revision and redesignation of BSR N42.34-202x) Final Action Date: 5/20/2021

INMM (ASC N15) (Institute of Nuclear Materials Management)

9800 S. Cass Avenue, Argonne, IL 60439 | e: b.srinivasan@science.doe.gov, w: www.inmm.org

New Standard

ANSI N15.28-2021, Standard for Methods of Nuclear Material Control - Guide for Qualification and Certification of Safeguards andSecurity Personnel (new standard) Final Action Date: 5/21/2021

NEMA (ASC C136) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | e: David.Richmond@nema.org, w: www.nema.org

New Standard

ANSI C136.52-2021, LED Drivers with integral Revenue Grade Energy Measurement Means (new standard) Final Action Date: 5/20/2021

Revision

ANSI C136.23-2021, Roadway and Area Lighting Equipment - Enclosed Architectural Luminaires (revision of ANSI C136.23-2012) Final Action Date: 5/21/2021

Revision

ANSI C136.27-2021, Roadway and Area Lighting Equipment - Tunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012) Final Action Date: 5/20/2021

Stabilized Maintenance

ANSI C136.45-2011 (S2021), Aluminum Lighting Poles (stabilized maintenance of ANSI C136.45-2011 (R2016)) Final Action Date: 5/21/2021

Stabilized Maintenance

ANSI C136.47-2010 (S2021), Steel Roadway and Area Lighting Poles (stabilized maintenance of ANSI C136.47-2010 (R2015)) Final Action Date: 5/21/2021

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | e: Khaled.Masri@nema.org, w: www.nema.org

Revision

ANSI ICEA S-119-741-2021, Standard for Fiber To The Antenna (FTTA) Optical Fiber Cable (revision of ANSI/ICEA S -119-741-2016) Final Action Date: 5/18/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: arose@nsf.org, w: www.nsf.org

Revision

ANSI/NSF 4-2021 (i21r8), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019) Final Action Date: 5/20/2021

Revision

ANSI/NSF 42-2021 (i110r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2019) Final Action Date: 5/20/2021

Revision

ANSI/NSF 53-2021 (i128r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2019) Final Action Date: 5/20/2021

Revision

ANSI/NSF 58-2021 (i92r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2019) Final Action Date: 5/20/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: mleslie@nsf.org, w: www.nsf.org

Revision
ANSI/NSF 62-2021 (i40r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2019) Final Action Date: 5/20/2021

Revision
ANSI/NSF 244-2021 (i12r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2019) Final Action Date: 5/20/2021

Revision
ANSI/NSF 401-2021 (i20r1), Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants (revision of ANSI/NSF 401-2019) Final Action Date: 5/20/2021

SDI (Steel Deck Institute)

1731 NW 6th Street, Suite D, Gainesville, FL 32609 | e: tsputo50@gmail.com, w: www.sdi.org

Revision
ANSI/SDI QA/QC-2022, Standard for Quality Control and Quality Assurance for Installation of Steel Deck (revision of ANSI/SDI QA/QC-2017) Final Action Date: 5/20/2021

Revision
ANSI/SDI SD-2022, Standard for Steel Deck (revision, redesignation and consolidation of ANSI/SDI-C-2017, ANSI/SDI NC-2017, ANSI/SDI RD-2017) Final Action Date: 5/20/2021

Revision
ANSI/SDI T-CD-2022, Test Standard for Composite Steel Deck Slabs (revision of ANSI/SDI T-CD-2017) Final Action Date: 5/20/2021

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

100 Clemson Research Blvd., Anderson, SC 29625 | e: KSimpson@tileusa.com, w: www.tcnatile.com

Revision
ANSI A108.01-2021a, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2021) Final Action Date: 5/18/2021

Revision
ANSI A118.3-2021, Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive (revision of ANSI A118.3-2013) Final Action Date: 5/18/2021

Revision
ANSI A137.2-2021, Standard Specification for Glass Tile (revision of ANSI A137.2-2019) Final Action Date: 5/18/2021

Revision
ANSI A137.3-2021, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2017) Final Action Date: 5/18/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: patricia.a.sena@ul.org, w: https://ul.org/

Reaffirmation
ANSI/UL 489B-2016 (R2021), Standard for Safety for Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures for Use with Photovoltaic (PV) Systems (reaffirmation of ANSI/UL 489B-2016) Final Action Date: 5/19/2021

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | e: Susan.P.Malohn@ul.org, w: https://ul.org/

Reaffirmation
ANSI/UL 62093-2017 (R2021), Standard for Safety for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments (reaffirmation of ANSI/UL 62093-2017) Final Action Date: 5/18/2021

Revision
ANSI/UL 44-2021, Standard for Safety for Thermoset-Insulated Wires and Cables (revision of ANSI/UL 44-2014) Final Action Date: 5/14/2021

Revision
ANSI/UL 499-2021, Standard for Safety for Electric Heating Appliances (revision of ANSI/UL 499-2017) Final Action Date: 5/21/2021

Revision
ANSI/UL 1023-2021, Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2017) Final Action Date: 5/20/2021

Revision
ANSI/UL 1479-2021, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2015) Final Action Date: 5/18/2021

Revision
ANSI/UL 1699B-2021, Standard for Safety for Photovoltaic (PV) DC Arc-Fault Circuit Protection (revision of ANSI/UL 1699B-2018) Final Action Date: 5/18/2021

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | e: abenedict@aami.org, w: www.aami.org
Amanda Benedict; abenedict@aami.org

BSR/AAMI ST98-202x, Cleaning validation of health care products - Requirements for development and validation of a cleaning process for medical devices (new standard)

BSR/AAMI/ISO 13408-6-202x, Aseptic processing of health care products - Part 6: Isolator systems (identical national adoption of ISO 13408-6:2021 and revision of ANSI/AAMI/ISO 13408-6-2005 (R2013))

BSR/AAMI/ISO 13408-3-2012 (R202x), Aseptic processing of health care products - Part 3: Lyophilization (reaffirm a national adoption ANSI/AAMI/ISO 13408-3-2012 (R2015))

BSR/AAMI/ISO 18472-202x, Sterilization of health care products - Biological and chemical indicators - Test equipment (identical national adoption of ISO 18472:2018)

AARST (American Association of Radon Scientists and Technologists)

527 Justice Street, Hendersonville, NC 28739 | e: StandardsAssist@gmail.com, w: www.aarst.org
Gary Hodgden; StandardsAssist@gmail.com

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | e: kbest@ahrinet.org, w: www.ahrinet.org
Karl Best; kbest@ahrinet.org

BSR/AHRI Standard 390 (I-P)-202x, Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps (new standard)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | e: dgreco@atis.org, w: www.atis.org
Drew Greco; dgreco@atis.org

BSR/ATIS 0600028-202x, DC Power Wire and Cable for Telecommunications Power Systems for XHHW / XHHW-2 and DLO/Halogenated RHH-RHW Cable Types (revision of ANSI/ATIS 0600028-2016)

BSR/ATIS 0600318-202x, Electrical Protection Applied to Telecommunications Network Plant at Entrances to Customer Structures or Buildings (revision of ANSI/ATIS 0600318-2016)

BSR/ATIS 0600338-202x, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 | e: ansi.contact@csagroup.org, w: www.csagroup.org
David Zimmerman; ansi.contact@csagroup.org

BSR/CSA NGV1-2017 (R202x), Compressed natural gas vehicle (NGV) fueling connection devices (reaffirmation of ANSI/CSA NGV1-2017)

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | e: ldonohoe@ecianow.org, w: www.ecianow.org
Laura Donohoe; ldonohoe@ecianow.org

BSR/EIA 364-G-202x, Electrical Connector/Socket Test Procedures Including Environmental Classifications (revision and redesignation of ANSI/EIA 364-F-2014)

BSR/EIA 364-10J-202x, Fluid Immersion Test Procedure for Electrical Connectors, Sockets and Cable Assemblies (revision and redesignation of ANSI/EIA 364-10H-2019)

BSR/EIA 887-B-202x, Resistors, Thin Film Array on Silicon - Molded (revision and redesignation of ANSI/EIA 887-A-2015)

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | e: caitlin.mimnaugh@necanet.org, w: www.neca-neis.org
Caitlin Mimnaugh; caitlin.mimnaugh@necanet.org

BSR/NECA LPI 781-202x, Recommended Practice for Installing and Maintaining Lightning Protection Systems (new standard)

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | e: Khaled.Masri@nema.org, w: www.nema.org
Khaled Masri; Khaled.Masri@nema.org

BSR ICEA T-28-562-202x, Test Method for Measurement of Hot Creep of Polymeric Insulations (revision of ANSI/ICEA T-28-562-2003 (R2014))

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | e: jsnider@nsf.org, w: www.nsf.org
Jason Snider; jsnider@nsf.org

BSR/NSF 14-202x (i121r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)

BSR/NSF 358-1-202x (i6r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)

BSR/NSF 358-3-202x (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016)

BSR/NSF 455-4-202x (i30r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | e: standards-process@tiaonline.org, w: www.tiaonline.org
Teesha Jenkins; standards-process@tiaonline.org

BSR/TIA 455-3-C-202x, FOTP-3 Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Components (national adoption of IEC 60794122 with modifications and revision of ANSI/TIA 455-3B-2009 (R2014))

BSR/TIA 526-14-D-202x, Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant; IEC 61280-4-1 edition 3, Fiber-Optic Communications Subsystem Test Procedures - Part 4-1: Installed Cable Plant - Multimode Attenuation Measurement (national adoption of IEC 61280-4-1 with modifications and revision of ANSI/TIA 526-14-C-2015)

BSR/TIA 1152-A-2016 (R202x), Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling (reaffirmation of ANSI/TIA 1152-A-2016)

BSR/TIA 5071-202x, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard)

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | e: Wathma.Jayathilake@ul.org, w: https://ul.org/
Wathma Jayathilake; Wathma.Jayathilake@ul.org

BSR/UL 827-202X, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827 -2020)

BSR/UL 1638A-2016 (R202x), Standard for Safety for Visual Signal Appliances for General Signaling Use (reaffirmation of ANSI/UL 1638A-2016)

Call for Members (ANS Consensus Bodies)

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.

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:
• Service Providers
• Users
• Standards Development Organizations and Consortia
• Academic Institutions

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 or by e-mail from standards@scte.org.

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

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

EMAP - Emergency Management Accreditation Program

Effective May 20, 2021

The reaccreditation of **EMAP - Emergency Management Accreditation Program** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on EMAP-sponsored American National Standards, effective **May 20, 2021**. For additional information, please contact: Nicole Ishmael, Executive Director, Emergency Management Accreditation Program (EMAP) - 201 Park Washington Court, Falls Church, VA 22046-4527; phone: 859.351.2350; email: nishmael@emap.org

Approval of Reaccreditation – ASD

UL - Underwriters Laboratories

Effective May 20, 2021

ANSI's Executive Standards Council has approved the reaccreditation of **UL - Underwriters Laboratories** under its recently revised regulations for documenting consensus on UL-sponsored American National Standards, effective **May 20, 2021**. For additional information, please contact: Patricia Sena, Standards Engineer, Underwriters Laboratories (UL) - 12 Laboratory Drive, Research Triangle Park, NC 27709-3995 (919) 549-1636 patricia.a.sena@ul.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Teleconference/WebEx Meeting Time June 22, 2021 at 1:00 PM

The **CSA Group Hydrogen Transportation Technical Committee** will meet on **June 22, 2021 at 1:00 PM** Eastern via Teleconference/WebEx. For those interested in participating or for additional information, contact Sara Marxen at sara.marxen@csagroup.org.

American National Standards (ANS) Process

Please visit ANSI's website (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 linkis 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)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): 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
- Accreditation information – for potential developers of American National Standards (ANS): 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
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/
- Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer, please email us at: psa@ansi.org . Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org

American National Standards Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- 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)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- 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)
- UL (Underwriters Laboratories)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

ANSI-Accredited Standards Developers Contacts

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

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
e: tambrosius@aafs.org
p: (719) 453-1036
www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road
Suite 300
Arlington, VA 22203
e: abenedict@aami.org
p: (703) 253-8284
www.aami.org

AARST
American Association of Radon Scientists and Technologists
527 Justice Street
Hendersonville, NC 28739
e: StandardsAssist@gmail.com
p: (202) 830-1110
www.aarst.org

AHRI
Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
e: kbest@ahrinet.org
p: (703) 293-4887
www.ahrinet.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
e: kmurdoch@ans.org
p: (708) 579-8268
www.ans.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
e: cking@ashrae.org
p: (404) 636-8400
www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
e: ansibox@asme.org
p: (212) 591-8489
www.asme.org

ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street NW
Suite 500
Washington, DC 20005
e: dgreco@atis.org
p: (202) 628-6380
www.atis.org

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
e: jrosario@aws.org
p: (800) 443-9353
www.aws.org

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
e: mdiaz@aws.org
p: (305) 443-9353
www.aws.org

AWS
American Welding Society
8669 NW 36th Street
Suite 130
Miami, FL 33166-6672
e: sborrero@aws.org
p: (305) 443-9353
www.aws.org

CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
e: ansi.contact@csagroup.org
p: (216) 524-4990
www.csagroup.org

ECIA
Electronic Components Industry Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
e: ldonohoe@ecianow.org
p: (571) 323-0294
www.ecianow.org

ESTA
Entertainment Services and Technology Association
271 Cadman Plaza
P.O. Box 23200
Brooklyn, NY 11202-3200
e: standards@esta.org
p: (212) 244-1505
www.esta.org

IAPMO (ASSE Chapter)
ASSE International Chapter of IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
e: terry.burger@asse-plumbing.org
p: (909) 519-0740
www.asse-plumbing.org

IAPMO (Z)
International Association of Plumbing & Mechanical Officials
5001 East Philadelphia Street
Ontario, CA 91761
e: standards@iapmostandards.org
p: (909) 230-5534
https://www.iapmostandards.org

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854-4141
e: l.weisser@ieee.org
p: (732) 981-2864
www.ieee.org

IEEE (ASC C63)
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
e: J.Santulli@ieee.org
p: (732) 562-3874
www.ieee.org

INMM (ASC N15)
Institute of Nuclear Materials Management
9800 S. Cass Avenue
Argonne, IL 60439
e: b.srinivasan@science.doe.gov
p: (630) 427-7126
www.inmm.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW
Suite 600
Washington, DC 20001
e: comments@standards.incits.org
p: (202) 737-8888
www.incits.org

NECA
National Electrical Contractors Association
1201 Pennsylvania Avenue
Suite 1200
Washington, DC 20004
e: caitlin.mimnaugh@necanet.org
p: (202) 991-6271
www.neca-neis.org

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
e: David.Richmond@nema.org
p: (703) 841-3234
www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Arlington, VA 22209
e: Khaled.Masri@nema.org
p: (571) 426-3226
www.nema.org

NEMA (ASC C82)
National Electrical Manufacturers Association
1300 N 17th St
Rosslyn, VA 22209
e: Michael.Erbesfeld@nema.org
p: (703) 841-3262
www.nema.org

NENA
National Emergency Number Association
1700 Diagonal Road
Suite 500
Alexandria, VA 22314
e: darnold@nena.org
p: (727) 312-3230
www.nena.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269-9101
e: PFoley@nfpa.org
p: (617) 984-7248
www.nfpa.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
e: arose@nsf.org
p: (734) 827-3817
www.nsf.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
e: jsnider@nsf.org
p: (734) 418-6660
www.nsf.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
e: mleslie@nsf.org
p: (734) 827-5643
www.nsf.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
e: rbrooker@nsf.org
p: (734) 827-6866
www.nsf.org

RVIA
Recreational Vehicle Industry Association
1899 Preston White Drive
Reston, VA 20191-4326
e: kperkins@rvia.org
p: (703) 517-3727
www.rvia.org

SCTE
Society of Cable Telecommunications Engineers
140 Philips Rd
Exton, PA 19341
e: kcooney@scte.org
p: (800) 542-5040
www.scte.org

SDI (Canvass)
Steel Deck Institute
1731 NW 6th Street
Suite D
Gainesville, FL 32609
e: tsputo50@gmail.com
p: (352) 378-0448
www.sdi.org

SDI (Canvass)
Steel Deck Institute
PO Box 426
Glenshaw, PA 15116
e: bob@sdi.org
p: (412) 487-3325
www.sdi.org

SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road
Suite 421
Waltham, MA 02452
e: info@spri.org
p: (781) 647-7026
www.spri.org

TCNA (ASC A108)
Tile Council of North America
100 Clemson Research Blvd.
Anderson, SC 29625
e: KSimpson@tileusa.com
p: (864) 646-8453
www.tcnatile.com

TIA
Telecommunications Industry Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201-2598
e: standards-process@tiaonline.org
p: (703) 907-7706
www.tiaonline.org

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Annabelle.Hollen@ul.org
p: (919) 549-1313
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: annemarie.jacobs@ul.org
p: (919) 549-0954
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: griff.edwards@ul.org
p: (919) 549-0956
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Julio.Morales@UL.org
p: (919) 549-1097
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: kelly.smoke@ul.org
p: (919) 316-5147
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: patricia.a.sena@ul.org
p: (919) 549-1636
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Vickie.T.Hinton@ul.org
p: (919) 549-1851
https://ul.org/

UL
Underwriters Laboratories
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
e: Wathma.Jayathilake@ul.org
p: (613) 368-4432
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062
e: megan.monsen@ul.org
p: (847) 664-1292
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: alan.t.mcgrath@ul.org
p: (847) 664-3038
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: Amy.K.Walker@ul.org
p: (847) 664-2023
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: jeffrey.prusko@ul.org
p: (847) 664-3416
https://ul.org/

UL
Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
e: Susan.P.Malohn@ul.org
p: (847) 664-1725
https://ul.org/

UL
Underwriters Laboratories
47173 Benicia Street
Fremont, CA 94538
e: Linda.L.Phinney@ul.org
p: (510) 319-4297
https://ul.org/

ISO Draft International Standards

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

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (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. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

ACOUSTICS (TC 43)

ISO/FDIS 21955, Acoustics - Experimental method for transposition of dynamic forces generated by an active component from a test bench to a receiving structure - 11/10/2024, $125.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 14222, Space environment (natural and artificial) - Earth upper atmosphere - 8/9/2021, $112.00

ISO/FDIS 8153-2, Aerospace fluid systems and components - Vocabulary - Part 2: Fittings and couplings - 11/7/2005, $112.00

ISO/FDIS 14620-3, Space systems - Safety requirements - Part 3: Flight safety systems - 11/12/2001, $46.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/FDIS 22514-7, Statistical methods in process management - Capability and performance - Part 7: Capability of measurement processes - 11/6/2015, $125.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/FDIS 5116-1, Improving transparency in financial and business reporting - Harmonization topics - Part 1: European data point methodology for supervisory reporting - 11/7/2008, $71.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 21931-1, Sustainability in buildings and civil engineering works - Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment - Part 1: Buildings - 11/6/2016, $125.00

CERAMIC TILE (TC 189)

ISO/FDIS 17721-1, Quantitative determination of antibacterial activity of ceramic tile surfaces - Test methods - Part 1: Ceramic tile surfaces with incorporated antibacterial agents - 11/7/2029, $53.00

ISO/FDIS 17721-2, Quantitative determination of antibacterial activity of ceramic tile surfaces - Test methods - Part 2: Ceramic tile surfaces with incorporated photocatalytic antibacterial agents - 11/7/2029, $58.00

ISO/DIS 10545-20, Ceramic tiles -Test methods - Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature - 8/6/2021, $40.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 23945-1, Test methods for sprayed concrete - Part 1: Flash setting accelerating admixtures - Setting time - 11/6/2018, $46.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 6165, Earth-moving machinery - Basic types - Identification and terms and definitions - 11/6/2016, $62.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14030-3.2, Environmental performance evaluation - Green debt instruments - Part 3: Taxonomy - 7/10/2021, $175.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO/DIS 21805, Guidance on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems - 11/7/2019, $107.00

FOUNDRY MACHINERY (TC 306)

ISO/DIS 23472-4, Foundry machinery - Vocabulary - Part 4: Abrasive blasting machines and other equipment related to cleaning and finishing for casting - 8/12/2021, $62.00

FURNITURE (TC 136)

ISO/FDIS 7170, Furniture - Storage units - Test methods for the determination of strength, durability and stability - 11/10/2016, $125.00

GEOTECHNICS (TC 182)

ISO/FDIS 22476-4, Geotechnical investigation and testing - Field testing - Part 4: Prebored pressuremeter test by Ménard procedure - 11/8/2005, $125.00

HEALTH INFORMATICS (TC 215)

ISO/FDIS 27789, Health informatics - Audit trails for electronic health records - 11/5/2016, $119.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 23704-2, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 2: Reference architecture of CPSMT for subtractive manufacturing - 8/13/2021, FREE

INDUSTRIAL FANS (TC 117)

ISO/DIS 13349, Fans - Vocabulary and definitions of categories - 8/9/2021, $112.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/FDIS 23081-2, Information and documentation - Metadata for managing records - Part 2: Conceptual and implementation issues -, $102.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO/DIS 6826, Reciprocating internal combustion engines - Fire protection - 11/7/2019, $53.00

IRON ORES (TC 102)

ISO/DIS 11257, Iron ores for shaft direct-reduction feedstocks - Determination of the low-temperature reduction-disintegration index and degree of metallization - 8/6/2021, $53.00

MEASUREMENT OF FLUID FLOW IN CLOSED CONDUITS (TC 30)

ISO/DIS 9300, Measurement of gas flow by means of critical flow nozzles - 8/12/2021, $165.00

ISO/DIS 5167-1, Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 1: General principles and requirements - 8/1/2021, $112.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/FDIS 18436-6, Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 6: Acoustic emission -, $58.00

METALLIC AND OTHER INORGANIC COATINGS (TC 107)

ISO/DIS 5154, Decorative metallic coatings for radio wave transmissive application products - Designation and characterization method - 8/9/2021, $40.00

MICROBEAM ANALYSIS (TC 202)

ISO/DIS 23749, Microbeam analysis - Electron backscatter diffraction - Quantitative determination of austenite in steel - 11/6/2016, $62.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 22553-10, Paints and varnishes - Electro-deposition coatings - Part 10: Edge protection - 8/9/2021, $40.00

PAPER, BOARD AND PULPS (TC 6)

ISO/FDIS 12625-7, Tissue paper and tissue products - Part 7: Determination of optical properties - Measurement of brightness and colour with D65/10° (outdoor daylight) - 11/11/2007, $58.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/FDIS 16900-6, Respiratory protective devices - Methods of test and test equipment - Part 6: Mechanical resistance/strength of components and connections - 11/6/2013, $98.00

PLASTICS (TC 61)

ISO/FDIS 13000-1, Plastics - Polytetrafluoroethylene (PTFE) semi-finished products - Part 1: Requirements and designation - 11/8/2002, $53.00

ISO/FDIS 13000-2, Plastics - Polytetrafluoroethylene (PTFE) semi-finished products - Part 2: Preparation of test specimens and determination of properties - 11/8/2002, $53.00

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

ISO/DIS 3459, Plastic piping systems - Mechanical joints between fittings and pressure pipes - Test method for leak tightness under negative pressure - 11/7/2019, $40.00

ISO/DIS 3501, Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force - 11/6/2016, $40.00

ISO/DIS 11296-9, Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 9: Lining with a rigidly anchored plastics inner layer - 11/6/2020, $93.00

RAILWAY APPLICATIONS (TC 269)

ISO/DIS 4975, Railway Applications - Braking system - Quality of compressed air for pneumatic apparatuses and circuits use - 8/7/2021, $62.00

ROAD VEHICLES (TC 22)

ISO/DIS 14229-7, Road vehicles - Unified diagnostic services (UDS) - Part 7: UDS on local interconnect network (UDSonLIN) - 8/12/2021, $71.00

ISO/DIS 15037-3, Road vehicles - Vehicle dynamics test methods - Part 3: General conditions for passenger cars ride comfort tests - 11/6/2016, $77.00

ROBOTS AND ROBOTIC DEVICES (TC 299)

ISO/DIS 10218-1.2, Robotics - Safety requirements - Part 1: Industrial robots - 7/10/2021, $155.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 1431-1, Rubber, vulcanized or thermoplastic - Resistance to ozone cracking - Part 1: Static and dynamic strain testing - 8/6/2021, $82.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 21070/DAmd1, Ships and marine technology - Marine environment protection - Management and handling of shipboard garbage - Amendment 1: Updates to classification of garbage - 8/9/2021, FREE

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 9277, Determination of the specific surface area of solids by gas adsorption - BET method - 11/7/2019, $77.00

ISO/DIS 26824, Particle characterization of particulate systems - Vocabulary - 8/9/2021, $93.00

ISO/DIS 20998-2, Measurement and characterization of particles by acoustic methods - Part 2: Guidelines for linear theory - 8/6/2021, $98.00

SOLID RECOVERED FUELS (TC 300)

ISO/FDIS 22940, Solid recovered fuels - Determination of elemental composition by X-ray fluorescence - 11/10/2009, $102.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO/DIS 22441, Sterilization of health care products - Low temperature vaporized hydrogen peroxide - Requirements for the development, validation and routine control of a sterilization process for medical devices - 8/12/2021, $146.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/FDIS 37169, Smart community infrastructures - Smart transportation by run-through train/bus operation in/between cities - 11/10/2020, $62.00

ISO/FDIS 37180, Smart community infrastructures - Guidance on smart transportation with QR code identification and authentification in transportation and its related or additional services - 11/11/2026, $53.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/FDIS 12616-1, Terminology work in support of multilingual communication - Part 1: Fundamentals of translation-oriented terminography - 11/3/2017, $102.00

TRADITIONAL CHINESE MEDICINE (TC 249)

ISO/DIS 24571, Traditional Chinese medicine - General requirements for the basic safety and essential performance of electro-acupuncture stimulator - 8/9/2021, $62.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 17572-1, Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 1: General requirements and conceptual model - 8/7/2021, $88.00

WATER EFFICIENT PRODUCTS - RATING (TC 316)

ISO/DIS 31600, Water efficiency labelling programmes - Requirements with guidance for implementation - 8/6/2021, $134.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 23001-7/DAmd2, Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files - Amendment 2: Improvements on selective encryption - 8/7/2021, $40.00

ISO/IEC 14496-30/DAmd1, Information technology - Coding of audio-visual objects - Part 30: Timed text and other visual overlays in ISO base media file format - Amendment 1: Timing improvements - 11/2/2004, $29.00

ISO/IEC 23000-19/DAmd2, Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 2: CMAF Media Profiles for MPEG-H 3D Audio, EVC, VVC and other technologies - 8/12/2021, $77.00

ISO/IEC DIS 20248, Information technology - Automatic identification and data capture techniques - Digital signature data structure schema - 8/9/2021, $165.00

ISO/IEC DIS 18047-3, Information technology - Radio frequency identification device conformance test methods - Part 3: Test methods for air interface communications at 13,56 MHz - 11/6/2018, $112.00

ISO/IEC DIS 18181-1/DAmd1, Information technology - JPEG XL Image Coding System - Part 1: Core coding system - Amendment 1: Profiles and levels for JPEG XL image coding system - 8/12/2021, $29.00

ISO/IEC DIS 19540-1, Information technology - Object Management Group Unified Architecture Framework (OMG UAF) - Part 1: Domain Metamodel (DMM) - 11/6/2017, $203.00

ISO/IEC DIS 19540-2, Information technology - Object Management Group Unified Architecture Framework (OMG UAF) - Part 2: Unified Architecture Framework Profile (UAFP) - 11/6/2017, $215.00

ISO/IEC DIS 19566-7, Information technologies - JPEG systems - Part 7: JPEG linked media format (JLINK) - 8/12/2021, $102.00

ISO/IEC DIS 19944-2, Cloud computing and distributed platforms - Data flow, data categories and data use - Part 2: Guidance on application and extensibility - 11/6/2020, $82.00

ISO/IEC DIS 23003-6, Information technology - MPEG audio technologies - Part 6: Unified speech and audio coding reference software - 8/7/2021, $40.00

ISO/IEC DIS 23090-7, Information technology - Coded representation of immersive media - Part 7: Immersive media metadata - 8/9/2021, $112.00

ISO/IEC DIS 23092-6, Information technology - Genomic information representation - Part 6: Coding of genomic annotations - 8/9/2021, $175.00

ISO/IEC DIS 23001-18, Information technology - MPEG systems technologies - Part 18: Event message tracks in the ISO base media file format - 8/12/2021, $53.00

Newly Published ISO & IEC Standards

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

ISO Standards

ACOUSTICS (TC 43)

ISO 26101-1:2021, Acoustics - Test methods for the qualification of the acoustic environment - Part 1: Qualification of free-field environments, $149.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 18449:2021, Green tea - Vocabulary, $48.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO 8080:2021, Aerospace - Anodic treatment of titanium and titanium alloys - Sulfuric acid process, $48.00

ISO 8081:2021, Aerospace process - Chemical conversion coating for aluminium alloys - General purpose, $48.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO 10962:2021, Securities and related financial instruments - Classification of financial instruments (CFI) code, $73.00

BUILDING CONSTRUCTION (TC 59)

ISO 6707-4:2021, Buildings and civil engineering works - Vocabulary - Part 4: Facility management terms, $48.00

CLINICAL LABORATORY TESTING AND IN VITRO DIAGNOSTIC TEST SYSTEMS (TC 212)

ISO 23118:2021, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma, $111.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO 19694-1:2021, Stationary source emissions - Determination of greenhouse gas emissions in energy-intensive industries - Part 1: General aspects, $200.00

EQUIPMENT FOR FIRE PROTECTION AND FIRE FIGHTING (TC 21)

ISO 21927-3:2021, Smoke and heat control systems - Part 3: Specifications for powered smoke and heat exhaust ventilators, $225.00

IMPLANTS FOR SURGERY (TC 150)

ISO 7206-10/Amd1:2021, Implants for surgery - Partial and total hip-joint prostheses - Part 10: Determination of resistance to static load of modular femoral heads - Amendment 1, $20.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 8000-2/Amd1:2021, Data quality - Part 2: Vocabulary - Amendment 1, $48.00

INTERNAL COMBUSTION ENGINES (TC 70)

ISO 8178-5:2021, Reciprocating internal combustion engines - Exhaust emission measurement - Part 5: Test fuels, $225.00

MINING (TC 82)

ISO 19426-7:2021, Structures for mine shafts - Part 7: Rope guides, $225.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 3452-1:2021, Non-destructive testing - Penetrant testing - Part 1: General principles, $149.00

ISO 3452-2:2021, Non-destructive testing - Penetrant testing - Part 2: Testing of penetrant materials, $149.00

OTHER

ISO 18219-1:2021, Leather - Determination of chlorinated hydrocarbons in leather - Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs), $111.00

ISO 18219-2:2021, Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs), $111.00

PLASTICS (TC 61)

ISO 14632:2021, Extruded sheets of polyethylene (PE-HD) - Requirements and test methods, $73.00

ISO 23673:2021, Plastics - Elasticity index - Determination of elastic property of melts, $48.00

ISO 19935-3:2021, Plastics - Temperature modulated DSC - Part 3: Separation of overlapping thermal transitions, $73.00

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

ISO 4152:2021, Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the apparent axial long-term modulus of pipes subject to beam bending, $73.00

REFRIGERATION (TC 86)

ISO 18326/Amd1:2021, Non-ducted portable air-cooled air conditioners and air-to-air heat pumps having a single exhaust duct - Testing and rating for performance - Amendment 1, $20.00

ROAD VEHICLES (TC 22)

ISO 17536-1/Amd1:2021, Road vehicles - Aerosol separator performance test for internal combustion engines - Part 1: General - Amendment 1, $20.00

ISO 22735:2021, Road vehicles - Test method to evaluate the performance of lane-keeping assistance systems, $149.00

ISO 11992-3:2021, Road vehicles - Interchange of digital information on electrical connections between towing and towed vehicles - Part 3: Application layer for equipment other than brakes and running gear, $250.00

ISO 13209-4:2021, Road vehicles - Open Test sequence eXchange format (OTX) - Part 4: Expanded extensions interface definition, $250.00

ISO 19206-3:2021, Road vehicles - Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions - Part 3: Requirements for passenger vehicle 3D targets, $225.00

ISO 21782-4:2021, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 4: Performance testing of the DC/DC converter, $73.00

ISO 21782-5:2021, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 5: Operating load testing of the motor system, $111.00

ISO 21782-7:2021, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 7: Operating load testing of the DC/DC converter, $48.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 799-2:2021, Ships and marine technology - Pilot ladders - Part 2: Maintenance, use, survey, and inspection, $111.00

ISO 22547:2021, Ships and marine technology - Performance test procedures for high-pressure pumps in LNG fuel gas supply systems (FGSS) for ships, $73.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 11737-1/Amd1:2021, Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products - Amendment 1, $20.00

TEXTILES (TC 38)

ISO 2313-1:2021, Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 1: Method of the horizontally folded specimen, $48.00

ISO 2313-2:2021, Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 2: Method of the vertically folded specimen, $73.00

TOURISM AND RELATED SERVICES (TC 228)

ISO/PAS 5643:2021, Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry, $200.00

WATER QUALITY (TC 147)

ISO 22515:2021, Water quality - Iron-55 - Test method using liquid scintillation counting, $149.00

WATER RE-USE (TC 282)

ISO 20468-4:2021, Guidelines for performance evaluation of treatment technologies for water reuse systems - Part 4: UV Disinfection, $111.00

ISO Technical Reports

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/TR 23304:2021, Food products - Guidance on how to express vitamins and their vitamers content, $149.00

BIOTECHNOLOGY (TC 276)

ISO/TR 3985:2021, Biotechnology - Data publication - Preliminary considerations and concepts, $149.00

BUILDING CONSTRUCTION (TC 59)

ISO/TR 23262:2021, GIS (geospatial) / BIM interoperability, $225.00

EARTH-MOVING MACHINERY (TC 127)

ISO/TR 6750-2:2021, Earth-moving machinery - Operators manual - Part 2: List of references, $48.00

ISO Technical Specifications

ACOUSTICS (TC 43)

ISO/TS 15666:2021, Acoustics - Assessment of noise annoyance by means of social and socio-acoustic surveys, $111.00

DOMESTIC GAS COOKING APPLIANCES (TC 291)

ISO/TS 21364-1:2021, Domestic gas cooking appliances - Safety - Part 1: General requirements, $225.00

ISO/TS 21364-21:2021, Domestic gas cooking appliances - Safety - Part 21: Particular requirements for gas hobs, gas grills and gas griddles, $149.00

ISO/TS 21364-22:2021, Domestic gas cooking appliances - Safety - Part 22: Particular requirements for ovens and compartment grills, $175.00

HUMAN RESOURCE MANAGEMENT (TC 260)

ISO/TS 30421:2021, Human resource management - Turnover and retention metrics, $111.00

ISO/TS 30428:2021, Human resource management - Skills and capabilities metrics cluster, $149.00

ISO/TS 30433:2021, Human resource management - Succession planning metrics cluster, $111.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/TS 8000-81:2021, Data quality - Part 81: Data quality assessment: Profiling, $73.00

NANOTECHNOLOGIES (TC 229)

ISO/TS 12025:2021, Nanomaterials - Quantification of nano-object release from powders by generation of aerosols, $175.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 23002-8:2021, Information technology - MPEG video technologies - Part 8: Working practices using objective metrics for evaluation of video coding efficiency experiments, $73.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 10373-6/Amd1:2021, Cards and security devices for personal identification - Test methods - Part 6: Contactless proximity objects - Amendment 1: Dynamic power level management, $20.00

ISO/IEC 14443-2/Amd1:2021, Cards and security devices for personal identification - Contactless proximity objects - Part 2: Radio frequency power and signal interface - Amendment 1: Dynamic power level management, $20.00

ISO/IEC 14443-3/Amd1:2021, Cards and security devices for personal identification - Contactless proximity objects - Part 3: Initialization and anticollision - Amendment 1: Dynamic power level management, $20.00

ISO/IEC 14443-4/Amd1:2021, Cards and security devices for personal identification - Contactless proximity objects - Part 4: Transmission protocol - Amendment 1: Dynamic power level management, $20.00

ISO/IEC 23000-19/Amd1:2021, Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Additional CMAF HEVC media profiles, $20.00

IEC Standards

MAGNETIC COMPONENTS AND FERRITE MATERIALS (TC 51)

IEC 62044-2 Ed. 1.0 b cor.1:2021, Corrigendum 1 - Cores made of soft magnetic materials - Measuring methods - Part 2: Magnetic properties at low excitation level, $0.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

IEC 60335-2-68 Ed. 5.0 b:2021, Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines, for commercial use, $259.00

S+ IEC 60335-2-68 Ed. 5.0 en:2021 (Redline version), Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines, for commercial use, $338.00

SOLAR PHOTOVOLTAIC ENERGY SYSTEMS (TC 82)

IEC 61215-1 Ed. 2.0 en cor.1:2021, Corrigendum 1 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements, $0.00

WIND TURBINE GENERATOR SYSTEMS (TC 88)

IEC 61400-12-1 Ed. 2.0 b cor.3:2021, Corrigendum 3 - Wind energy generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines, $0.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 11 - Boiler and Pressure Vessels

Reply Deadline: June 4, 2021

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 11 – Boiler and pressure vessels, which is currently in Stand-by. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 11 to the National Board of Boiler & Pressure Vessel Inspectors (NBBPVI). NBBPVI has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 11 operates under the following scope:
Standardization of construction of boilers and pressure vessels. Excluded:

- railway and marine boilers covered by ISO/TC 8;
- gas cylinders covered by ISO/TC 58;
- aircraft and vehicle components covered by ISO/TC 20;
- equipment used for fire-fighting covered by ISO/TC 21;
- personal safety equipment covered by ISO/TC 94;
- components of rotating or reciprocating devices;
- nuclear pressure equipment covered by ISO/TC 85;
- piping systems;
- cryogenic vessels covered by ISO/TC 220.

Note : Construction is an all-inclusive term that includes design, materials, fabrication, examination, inspection, testing and conformity assessment.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 11. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat.
Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 11 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by **June 4, 2021**, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidance for Advertising and Marketing Affecting Children

Comment Deadline: June 11, 2021

JISC, the ISO member body for Japan, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidance for Advertising and Marketing Affecting Children, with the following scope statement:

The proposed standard will provide principles and best practice guidelines for advertising and marketing to protect children at different ages and stages of development from harm and to promote their healthy physical and psychological growth. It is proposed to include a variety of media such as television, publications, social media and other digital platforms (podcasts, YouTube), embedded advertising into television shows, movies and games that have a direct impact on children globally including. It is also proposed to include 'influencers' (i.e. children being the influencers and getting paid to advertise on social media).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 11, 2021**.

ISO New Work Item Proposal

Guidelines for Evaluating Standardization Benefits for Organizations

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for Evaluating Standardization Benefits for Organizations, with the following scope statement:

This document provides guidance for organizations to understand and apply the evaluation principles, methods and procedures of economic and social benefits of standardization. This document is generally useful for organizations to measure the benefits of standardization and improve their own standardization inputs.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 4, 2021**.

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Guidelines for the Promotion and Implementation of Gender Equality

Comment Deadline: June 25, 2021

AFNOR, the ISO member body for France, has submitted to ISO a new work item proposal for the development of an ISO standard on Guidelines for the Promotion and Implementation of Gender Equality, with the following scope statement:

Standardization in the field of gender equality with the aim of developing a technical guidance on how to promote and implement gender equality in all types of organizations, public or private, regardless of their size, location and field of activity.

The objective is to develop guidelines on:
· Concepts, terms and definitions;
· Identification of existing good practices;
· Definition of actions, strategies, policies for the promotion and implementation of gender equality

Excluded: Related standardization work on diversity in human resources management as covered by ISO/TC 260 “Human resources management
Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 25, 2021.

ISO New Work Item Proposal

ISO Standard on Online Game Terminology

Comment Deadline: May 28, 2021

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on ISO standard on Online Game Terminology, with the following scope statement:

This proposal specifies the definition of terms used in game research and development, operation, management, copyright, eSports, derivative production and sales.

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, May 28, 2021**.

ISO Proposal for a New Field of ISO Technical Activity

District Energy System

Comment Deadline: June 4, 2021

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on District Energy System, with the following scope statement:

Standardization of planning, operation, maintenance, optimization and application of the integrated district energy system with multiple energy carriers.

Excluding: specific energy (electricity or non-electricity) technologies, information technologies or control technologies within the scope of other ISO or IEC/TCs.

Anyone wishing to review the proposal can request a copy by contacting ANSI’s ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 4, 2021**.

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
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

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations 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 proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. 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 Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for Notify U.S., please visit: http://www.nist.gov/notifyus/.

The USA WTO TBT Inquiry 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 available on Notify U.S. at: https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum a to
ANSI/ASHRAE Standard 41.1-2020

Public Review Draft

Proposed Addendum a to Standard 41.1-2020, Standard Methods for Temperature Measurements

First Public Review (May 2021)
(Draft shows Proposed Changes to Current Standard)

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

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.

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.

ASHRAE, 180 Technology Parkway, Peachtree Corners GA 30092

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 41.1-2020, *Standard Methods for Temperature Measurements*
First Public Review Draft

This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions).

Section 3, Definitions: Add the new definition below for clarification.

steady-state criteria: the criteria that establish negligible change of temperature or temperature difference with time.

Section 5.1, Test Plan: Revise as shown below to make it easier for Method of Test (MOT) and Method of Rating (MOR) standards to adopt this standard by reference.

5.1 Test Plan. ~~A test plan shall specify the temperature measurement t system accuracy and the test points operating conditions to be performed. Additionally, the test plan shall include the test points, targeted set points, and corresponding operating tolerances to be performed.~~ The test plan shall be one of the following documents:

a. A document provided by the person or the organization that authorized the tests and calculations to be performed.
b. A method of test standard.
c. A rating standard.
d. A regulation or code.
e. Any combination of items a. through d.

The test plan shall specify:

a. The temperature or temperature difference measurement system accuracy.
b. The values to be determined and recorded that are selected from this list: temperature, temperature difference, temperature measurement uncertainty, and temperature difference measurement uncertainty.
c. Any combination of test points and targeted set points to be performed together with operating tolerances.

Section 5.2, Values to Be Determined and Reported: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

5.2 Values to be Determined and Reported

The test values to be determined and reported shall be as shown in Table 5-1 if specified in the test plan in Section 5.1. Use the units of measure in Table 5-1 unless otherwise specified in the test plan in Section 5.1.

TABLE 5-1 Measurement Values and Units of Measure

	Units of Measure	
Quantity	SI	I-P
Temperature	°C	°F
Uncertainty in the Temperature Measurement	°C	°F
Temperature Difference	K	°R
Uncertainty in the Temperature Difference Measurement	K	°R

Section 5.4, Uncertainty: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

5.4 Uncertainty. The uncertainty in each temperature and temperature difference measurement shall be estimated as described in Section ~~10~~8 for each test point ~~unless otherwise~~ if specified in the test plan. Alternatively, if specified in the test plan, the worst-case uncertainty for all test points shall be estimated and reported for each test point.

Section 5.5, Steady-State Test Criteria: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

5.5 Steady-State Test Criteria. Temperature and temperature difference test data shall be recorded at steady-state conditions unless otherwise specified in the test plan in Section 5.1. ~~If the test plan requires temperature or temperature difference test data points to be recorded at steady-state test conditions and provides the operating condition tolerance but does not specify the steady-state criteria, then determine that steady-state test conditions have been achieved using one of the following methods:~~

~~a. Apply the steady-state criteria in Section 5.5.1 if the test plan provides test points for temperature measurement.~~
~~b. Apply the steady-state criteria in Section 5.5.2 if the test plan provides test points for temperature difference measurement.~~
~~c. Apply the steady-state criteria in Section 5.5.3 if the test plan provides targeted set points for temperature measurement.~~
d. ~~Apply the steady-state criteria in Section 5.5.4 if the test plan provides targeted set points for temperature difference measurement.~~

5.5.1 Steady-State Test Criteria Under Laboratory Test Conditions. If the test plan requires temperature or temperature difference test data points to be recorded at steady-state test conditions and

provides the operating condition tolerance but does not specify the steady-state criteria, then determine that steady-state test conditions have been achieved using one of the following methods:

a. Apply the steady-state criteria in Section 5.5.1.1 if the test plan provides test points for temperature measurement.
b. Apply the steady-state criteria in Section 5.5.1.2 if the test plan provides test points for temperature difference measurement.
c. Apply the steady-state criteria in Section 5.5.1.3 if the test plan provides targeted set points for temperature measurement.
d. Apply the steady-state criteria in Section 5.5.1.4 if the test plan provides targeted set points for temperature difference measurement.

5.5.2 Steady-State Test Criteria Under Field Test Conditions. If the test plan requires temperature or temperature difference test data points to be recorded at steady-state test conditions and provides the operating condition tolerance but does not specify the steady-state criteria, the methods in Section 5.5.1 are optional.

Informative Note: The steady-state methods in Section 5.5.1 are likely to be impractical under field test conditions. Under these circumstances, the user may want to select another method to determine the conditions for field test data to be recorded.

Section 5.5, Revise subsection headers as shown below.

5.5.1.1 Steady-State Temperature Criteria for Test Points

5.5.1.2 Steady-State Temperature Difference Criteria for Test Points

5.5.1.3 Steady-State Temperature Criteria for Targeted Set Points

5.5.1.4 Steady-State Temperature Difference Criteria for Targeted Set Points

Section 8.1, Uncertainty Estimate: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

8.1 Uncertainty Estimate. An estimate of the measurement system uncertainty, performed in accordance with ASME PTC 19.1[4], shall accompany each temperature measurement and temperature difference measurement if specified in the test plan in Section 5.1. Where two temperature measuring instruments are used to measure a temperature difference, the individual instrument accuracies shall be included in the temperature difference measurement uncertainty estimate.

Informative Note: An example of temperature measurement uncertainty calculations is provided in Informative Appendix B.

Section 9.5, Test Results: Revise as shown below to make it easier for MOT/MOR standards to adopt this standard by reference.

9.5 Test Results <u>if Specified in the Test Plan in Section 5.1</u>.

a. Temperature, °C (°F).
b. Uncertainty of temperature measurement, °C (°F).
c. <u>Temperature difference, °C (°F).</u>
d. <u>Uncertainty of temperature difference measurement, °C (°F).</u>

Tracking number 14i121r1

Revision to NSF/ANSI 14-2020
Issue 121, Revision 1 (May 2021)

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Plastics —

Plastics piping system components and related materials

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9 Quality Assurance

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Table 9.13
PVC pipe test frequency

Test	Potable water[1]	DWV	DWV (3.25" OD)	DWV cellular core	Sewer	Well casing[2]
acetone	annually	—	annually	annually	annually	—
bond	—	—	—	weekly	—	—
burst pressure[4][5] *the footnote "4" will be deleted*	24 h[3]	—	—	—	—	—
deflection load and crush	—	annually	annually	—	—	annually
cellular structure	—	—	—	annually	—	—
dimensions						
pipe outside diameter	2 h	2 h	2 h	2 h	2 h	2 h
pipe wall thickness	2 h	2 h	2 h	2 h	2 h	2 h
pipe out-of-roundness	2 h	2 h	2 h	2 h	2 h	2 h

flattening resistance	annually	—	annually	annually	annually	—
impact resistance at 0 °C (32 °F)[3,4] *the footnote "4" will be deleted*	24 h[4]	—	—	—	—	24 h[2]
impact at 22.8 °C (73 °F) [1,3,4, 5] *the footnote "4" will be deleted*	24 h	24 h	24 h	24 h	24 h	—
joint tightness	—	—	—	—	annually	—
stiffness	—	annually	annually	annually	annually	annually
sustained pressure	annually	—	—	—	—	—
tup puncture resistance	—	—	—	—	—	annually
product standard(s)	ASTM D1785, ASTM D2241, CSA B137.3	ASTM D2665	ASTM D2949	ASTM F891, ASTM F3128	ASTM D2729, ASTM D3034, ASTM F679	ASTM F480

[1] 23 °C (73 °F) impact applies only to products produced under ASTM D2241 as referenced in Section 2 of this Standard.

[2] Impact testing shall be in accordance with ASTM F480 as referenced in Section 2 of this Standard and the specified impact classification of IC-1, IC-2, or IC-3.

[3] If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.

[4] Test only applies to CSA B137.3 products.

[5] Test does not apply to CSA B137.3

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Plastics —

Polyethylene Pipe and Fittings for Water-Based Ground-Source "Geothermal" Heat Pump Systems

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5 General requirements

5.1 Polyethylene pipe

Polyethylene pipe shall comply with ASTM F714,[3] ASTM D2737,[3] ASTM D3035,[3] CSA B137.1,[5] or AWWA C901.[4] Pipe with a diameter of 2 in (6.033 cm) (nominal) and smaller shall have a maximum dimension ratio (minimum wall thickness) of ~~11~~ 13.5. Pipe with a diameter of larger than 2 in (7.62 cm) (nominal) shall have a maximum dimension ratio (minimum wall thickness) of 17.

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Tracking #358-3i3r1
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Revision to NSF/ANSI 358-3-2016
Issue 3, Revision 1 (May 2021)

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by grey highlighting. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Plastics —

Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems

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2 Normative References

~~The following documents contain provisions that, through reference, constitute provisions of this NSF Standard. At the time this Standard was balloted, the editions listed below were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. For undated references, the most recent version shall be referenced. These are Normative References for Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-based Ground-source (Geothermal) Heat Pump Systems.~~

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision and parties are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below. The most recent published edition of the document shall be used for undated references.

Rationale: Updated boilerplate language

ASTM D543, Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents[3]

ASTM D2290, Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe[3]

ASTM D2837, Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastics Pipe Products[3]**Error! Bookmark not defined.**

ASTM F412, *Terminology Relating to Plastic Piping Systems*[3]

ASTM F876, *Standard Specification for Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F877, *Standard Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems*[3]

ASTM F1055, *Standard Specification for Electrofusion Type Fittings for Outside Diameter Controlled Polyethylene and Cross-linked Polyethylene (PEX) Pipe and Tubing*[3]

ASTM F1588, *Standard Test Method for Constant Tensile Load Joint Test (CTLJT*) [3]

ASTM F1807, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F1960, *Standard Specifications for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F1961, *Standard Specification for Metal Mechanical Cold Flare Compression Fittings with Disc Spring for Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F2080, *Standard Specification for Cold-Expansion Fittings with Metal Compression Sleeves for Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F2159, *Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing*[3]

ASTM F2434, *Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Tubing*[3]

CAN/CSA B137.5, *Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications*[4]

PPI TR-3, *Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Hydrostatic Design Stresses (HDS), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe*[5]

PPI TR-4, Listing of Hydrostatic Design Basis (HDB), Hydrostatic Design Stress (HDS), Strength Design Basis (SDB), Pressure Design Basis (PDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe[5]

Tracking number 455-4i30r1
Revision to NSF/ANSI 455-4-2020

Issue 30 Revision 1 (May 2021)

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Good Manufacturing Practices –

Good Manufacturing Practices for Over-the-Counter Drugs

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4 Audit requirements

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4.5 Operation

4.5.1 Manufacturing processes have been validated to produce a product that consistently meets specifications. [21 CFR § 211.100, 21 CFR § 211.110, 21 CFR § 211.111, & US FDA Process Validation Guidelines]

4.5.2 Supplier management including purchased materials and the use of contracted services incorporates principles of quality risk management to determine the supplier selection, evaluation and monitoring of supplier performance ~~and ensuring business continuity~~. [ICH Q10]

4.5.3 Specifications have been established for the components used in the manufacture and packaging of drug product. [21 CFR § 211.84]

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20xx BSR/RVIA RVEC-1: ***Recommended Practice Testing Requirements of Exterior Components for RVs***

TWELVE (12): CODE CHANGE PROPOSALS

RVEC-1, Log#2 (1-4)

1. RV OEM and manufacturer should decide on sample size for testing.

2. RV OEM has to follow manufacturer installation instructions.

3. Number of cycles per test should be decided by RV OEM and manufacturer.

4. Reflective safety tape must be added to steps.

RVEC-1, Log#2 (1-4)

1-4 Application. This recommended practice shall be applied to all new unused exterior components for recreational vehicles that have not been in use, effective January 1, 2023.

RVEC-1, Log#3 (2-2.6)

2-2.6 Railing Section. A portion of the patio Railing System consisting of two bounding posts and the contained railing and infill area.

RVEC-1, Log#4 (2-5.1)

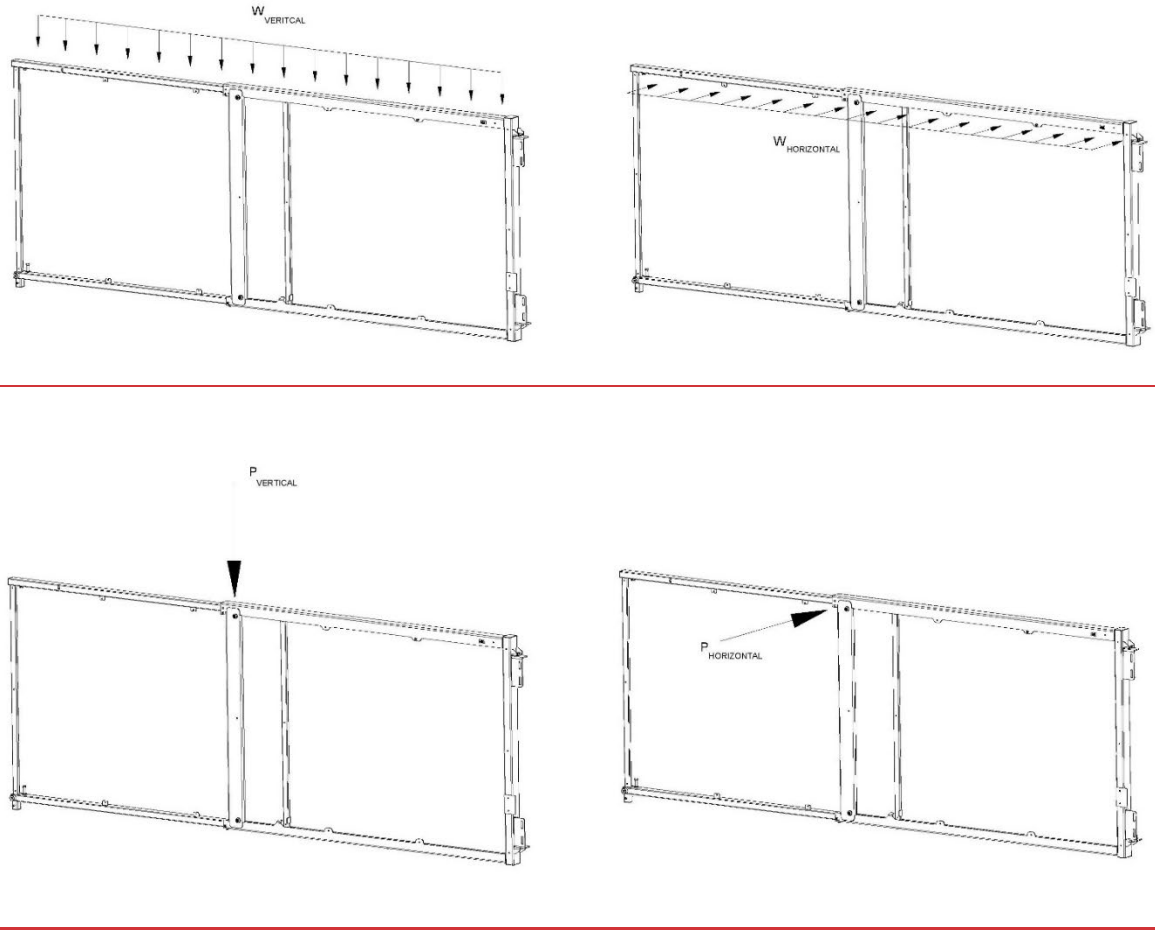
2-5.1 The installed patio railing system shall withstand a minimum concentrated test load of 200 lb. (90.7 kg) and a minimum uniformly distributed test load of 50 lb./ft (74.4 kg/m) applied to the top of ~~the railing system~~ each railing section in both the horizontal directions and the vertical downward directions~~.~~

RVEC-1, Log#5 (2-5.1)

2-5.1 The installed patio railing system shall withstand a minimum concentrated test load of 200 lb. (90.7 kg); applied over 4-inch. (101 mm) and a minimum uniformly distributed test load.

RVEC-1, Log#6 (2-5.1)

2-5.1 The installed patio railing system shall withstand a minimum concentrated test load of 200 lb. (90.7 kg); applied over 4-inch. (101 mm) and a minimum uniformly distributed test load of 50 lb./ft (74.4 kg/m) centered and applied over 80% of ~~to~~ the top of the railing system in both horizontal and vertical downward directions. See Figure 2-5.1. (below).



Figures 2-5.1

RVEC-1, Log#7 (2-5.6)

2-5.6 If the patio railing system contains a door, then the door shall be tested as though it is a railing section and shall also be capable of withstanding a concentrated vertical downward load of 200 lb. (90.7 kg) over 4-inch. (101 mm) applied to the upper corner on the side of the latch.

RVEC-1, Log#8 (4-3.1)

4-3.2 Riser. ~~The stair riser, not including the first entry step above the ground, shall be a minimum of 6 ½ inches (165 mm) and a maximum of 9 ½ inches (241 mm).~~ Stair tread depth and riser height shall conform to the specifications of NFPA 1192, Clause 6.6.1.2.

RVEC-1, Log#9 (3-4 & 3-5)

3-4 Ramp Testing

3-4.1 The ramp shall be placed into the ramp position at 20-degree angle, + degrees, from the horizontal.

3-4.2 Bracing for the door frame shall simulate the body structure of a recreational vehicle.

~~**3-5 Test Cart.**~~

3-4.3 Ramp Test Cart.

3-4.3.1 ~~**5.1**~~ A single or dual axle cart with a maximum tire tread width of 11 inches (279 mm) and capable of being pulled and lowered across the ramp surface shall be used.

3-4.3.2 ~~**5.2**~~ The footprint of the cart shall not be greater than 75 percent of the ramp door surface.

3-4.3.3 ~~**5.3**~~ All cart tires shall be on the door surface at the top of the cycle and all tires off of the surface at the bottom of the cycle.

RVEC-1, Log#10 (4-7 to 4-9)

~~**4-8**~~ **4-7.3 Cycles**

~~**4-8.1**~~ **4.7.3.1** One cycle shall be defined as the loading and unloading of each tread starting from the bottom tread to the top tread and back to the bottom tread.

~~**4-8.2**~~ **4.7.3.2** A complete test shall consist of 10,000 cycles.

~~**4-9**~~ **4.7.4 Loads**

~~**4-9.1**~~ **4.7.4.1** The loads shall be 1.5 times the rated capacity of the entry steps.

~~**4-9.2**~~ **4.7.4.2** The loads shall be applied using a four-inch (101 mm) by eight-inch (203 mm) loading block in the center of the tread.

~~**4-.9.3**~~ **4-7.4.3** The load shall be applied vertically.

~~**4-9.4**~~ **4-7.4.4** Upon completion of the test the entry steps will extend and retract as intended.

~~5.0~~ 4-8 **Test Reports.**

~~5-0.1~~ **4-8.1** A final test report, associated documentation (including photographs) for each manual exterior entry step design installation test performed, by or on behalf of the manufacturer shall be made available.

~~5-0.2~~ **4-8.2** Each final report shall be complete document capable of standing by itself for each specimen tested.

~~5-0.3~~ **4-8.3** Each final report shall include:

RVEC-1, Log#11 (4-8.1)

4-8.1 One cycle shall be defined as the loading and unloading of ~~each~~ one tread ~~starting from the bottom tread to the top tread and back to the bottom tread.~~ The tread under test shall be close to the middle of the treads in the assembly.

RVEC-1, Log# 12 (4-9.2)

4-9.2 The loads shall be applied using a four-inch (101 mm) by eight-inch (203 mm) loading block in the center of the tread for a minimum of 1 second.

BSR/UL 827, Standard for Safety for Central-Station Alarm Services

1. Work from Home Requirements

PROPOSAL

5.2.30A MULTIFACTOR AUTHENTICATION – an identification and authentication method in which a user is granted access to an application only after successfully presenting two or more pieces of evidence (or factors) to an authentication mechanism: knowledge (something only the user knows), possession (something only the user has), and inherence (something only the user is).

FIRE-ALARM SERVICES

20 Personnel (Operators and Runners)

20.1 The central-station shall have sufficient personnel (at least two persons), trained as operators, on duty at the station, in a remote location that complies with the requirements of the Virtual Operator Workspace, Sections 52 - 54, or a combination of both at all times to provide immediate attention to signals requiring action. No other operator activity shall take precedence over receiving and acting on these signals.

BURGLAR-ALARM SERVICES

29 Personnel (Operators and Runners)

29.1 The burglar-alarm ~~central station~~ central-station shall have sufficient personnel (at least two persons), trained as operators, on duty at the station, in a remote location that complies with the requirements of the Virtual Operator Workspace, Sections 52 - 54, or a combination of both at all times to provide immediate attention to signals requiring action. No other operator activity shall take precedence over receiving and acting on these signals.

RESIDENTIAL MONITORING STATION

44 Personnel (Operators)

44.1 The residential monitoring station shall have sufficient personnel (at least two persons), trained as operators, on duty at the station, in a remote location that complies with the requirements of the Virtual Operator Workspace, Sections 52 - 54, or a combination of both at all times to provide immediate attention to signals requiring action. No other operator activity shall take precedence over receiving and acting on these signals.

VIRTUAL OPERATOR WORKSPACE

52 General

52.1 A central-station company may employ remotely located operators to process signals from any system expect those that comply with UL 2050, CAN/ULC S301 or

CAN/ULC S561. When the MEW factor requires there be two or more central-stations, as refenced in 17.6.4, the operators working remotely in support of the redundant site, shall also diverse as referenced in 17.6.4.2.

53 Operation within the Central-Station

53.1 The central-station company shall not be unstaffed at any time.

53.1.1 Staffing shall be by central-station company employees trained to perform tasks in the manner and timeframes required by this Standard.

54 Operators Working Remotely

54.1 Bandwidth and Connectivity

54.1.1 The data and voice communication technology connections required for remote operators to perform their job functions shall be made to the central-station company network through a secure, remote access technology (e. g. virtual private network (VPN), virtual desktop infrastructure (VDI) and remote desktop protocol (RPD) that complies with 17.12 for the remote workstation to the network at the monitoring station or automation system host.

54.1.2 The remote access technology specified in 54.1.1 shall be deployed in a manner such that the remote employee is required to use some form of two multi-factor authentication (MFA) in order to gain access to the workstation, central-station company network and or automation systems.

54.1.3 Communication between a remote operator workstation and the central-station company shall comply with (a) and (b); or (c) as follows:

a) There shall be primary and backup communication connections between the remote operator workstation and the central-station company shall comply with 12.1.6.

b) The workstation, router, and networking equipment necessary to support communication with the central-station company shall be powered by an uninterruptible power supply that can battery backup for the amount of time needed to transfer active alarm to another operator.

c) There shall be sufficient operators on-duty and logged into the automation system, so that loss of communication between a remote operator workstation and the central-station company will not result in the loss of any signals or failure to process signals in the manner and timeframes required by this Standard.

54.2 Remote Operator Workstation

54.2.1 Remote operator workstation equipment shall comply with the requirements of this Standard applicable to the type of equipment and shall be configured and controlled by the central-station company as follows:

a) The workstation equipment shall be configured and maintained by enrollment in the central-station company processes; and

1) Antivirus/antimalware shall be installed, enabled and functioning;

2) Windows or other operating system security patches and updates shall be applied; and,

3) The central-station company shall have policies and controls in place to manage access to USB devices and the tools to monitor access and use of any connected USB or storage devices.

b) If the automation system operation stores data on the remote operator workstation, then the workstation shall be protected with whole disk encryption with provision for a system administrator password that meets Section 7.12.6 Part (B), Items (1-4) of NIST 800-63-3.

54.2.2 The remote operator workstation shall employ a means to send a duress signal to the central-station company using the capability referenced in the Sign-on security levels section in UL 1981.

54.3 Workplace Environment

54.3.1 Remote operators shall maintain a work area that complies with the following:

a) Work area is located in a closed room not occupied by any other individual while the operator is on duty;

b) The operator's workstation screen shall not be visible to another person located either inside or outside the premises; and

c) Operators shall use headsets to provide audio obscuration of incoming voice signal

54.3.2 To facilitate compliance verification, the central-station company shall arrange for the following requirements to be met:

a) Video recording devices shall be deployed which provide a field of view that includes the operator and surrounding work area; and

b) The central-station company shall have the ability to capture the operator's screen content.

54.3.3 Prior to a remotely located operator's first duty shift, central-station company shall verify and document that the remote location workspace complies with 54.3.1. Documentation shall include:

a) Identification of the verifier and the remote workstation and workspace;

b) Date of verification;

c) Means by which compliance was determined (physical inspection, virtual tour, other as appropriate);

d) Central-station company records shall be retained for a minimum of twelve months (refer to 24.1); and

e) Verifications of workstation workspace should be performed upon initial deployment and periodically thereafter to ensure that the workspace has not changed.

54.3.4 The central-station company shall employ a means by which the managing central-station company can communicate with and supervise (audio, visual or otherwise) the remote employees as required to fulfill monitoring responsibilities.

54.3.5 The central-station company shall document the security architecture of the implemented remote operator station.

54.3.5.1 The security architecture documentation shall be made part of the central-station company business continuity plans described in Table 17.6 Item v, 19.2, 28.2 and/or 43.2.

54.3.6 The central-station company shall provide remote operators with training on current cyber and information security issues impacting their environment and the central-station company security policies to mitigate security related risks.

54.4 Central-station compliance verification

54.4.1 The central-station company shall re-verify compliance with workplace environment requirements in 54.3.1 using information from the sources described in 54.3.2 and any others deemed appropriate for the specific arrangement by the central-station company.

54.4.1.1 The central-station company shall conduct a complete review of the physical workspaces at least once per year. Documentation shall include:

a) Identification of the verifier and the remote location;

b) Date of verification;

c) Means by which compliance was determined (physical inspection, virtual tour, other as appropriate); and

d) Any items of non-compliance and dated description of corrective action taken.

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

20 Auto-Monitoring Function

20.1 In addition to the Supervisory Circuit specified in Section 19, a resettable appliance leakage-current interrupter (ALCI) may be provided with an auto-monitoring function that will allow for periodic, automatic testing of the ability of the device to respond to a ground fault. This testing shall be done without opening the circuit interrupter contacts. See Auto-monitoring function test, Section 43.

43 Auto-Monitoring Function Test

43.1 An ALCI provided with an auto-monitoring function in accordance with the requirements of Auto-Monitoring Function, Section 20, shall comply with the requirements in this section.

BSR/UL 1574, Standard for Track Lighting Systems

1. **Proposed Revision to the Strength of Adaptor Test**

PROPOSAL

60.1.1 An adaptor shall be tested as described in 60.1.2 and 60.1.3 or 60.1.3A and shall comply with the test results in 60.1.4.

60.1.2 A 4 foot (1.22 m) section of track with two mounting openings, each of which is located 6 inches (150 mm) from each end of the track section, is to be mounted as intended on a flat plywood surface. The electrical contact blades are to be removed from the luminaire adaptor.

60.1.3 The luminaire adaptor is to be mounted to the track with the track first in a ceiling-mounted position and then in a wall-mounted position. A weight equal to two times the weight of the heaviest luminaire assembly, but no less than 10 pounds (4.5 kg), is to be suspended from the adaptor for 1 minute.

~~*Exception No. 1: An integral luminaire assembly (see 3.30) is to be subjected to the test in 60.1.3 by suspending a weight equal to four times the weight of the integral assembly for a period of 1 minute.*~~

60.1.3A An integral luminaire assembly (see 3.30) is to be mounted to the track first in a ceiling-mounted position and then in a wall-mounted position. A weight equal to two times the weight of the integral assembly shall be suspended from the assembly for a period of one minute.

Exception No. 1~~2~~: An integral luminaire assembly not intended for use on a wall-mounted track system need not be tested in a wall-mounted position and shall be marked as specified in 83.8.

BSR/UL 5085-2, Standard for Safety for Low Voltage Transformers - Part 2: General Purpose Transformers

1. This proposed Second Edition of the Standard for Low Voltage Transformers - Part 2: General Purpose Transformers, UL 5085-2 includes the following proposal: Alternate Temperature Rise Test Loading Methods

3.5 The following publications are referenced in this Standard:

~~CSA C22.2 No. 94.1, *Enclosures for Electrical Equipment, Non-environmental Considerations*~~

C22.2 No. 94.2, Enclosures for Electrical Equipment, Environmental Considerations

~~UL 50, *Standard for Enclosures for Electrical Equipment, Non-Environmental Considerations*~~

UL 50E, Standard for Enclosures for Electrical Equipment, Environmental Considerations

17.3.1 A transformer shall be marked with the environmental type number or numbers (as specified in ~~the~~ CSA-C22.2 No. 94.2 / UL 50E) for the application for which it has been investigated (such as "Type 3R Enclosure"). The marking shall be an integral part of the manufacturer's marking containing the manufacturer's name or trademark unless it is an integral part of other required markings.

Table 2

Wiring Space

(See Clause 8.8.1)

Maximum size of wire,		Minimum width or depth of wiring space,	
mm²	**(AWG~~/kcmil~~)**	**mm**	**(inch)**
2.1 and 3.3	14 and 12	9	0.35
5.3	10	9	0.35
8.4	8	12	0.5
13.3	6	15	0.6
21.5	4	19	0.75
26.7	3	19	0.75
33.6	2	22	0.9
42.4	1	25	1
53.5	1/0	25	1

67.4	2/0	25	1
85	3/0	28	1.1
107.2	4/0	31	1.2

Table 3

Wire Bending Space

(See Clauses 8.8.2 and 8.8.3)

Wire size,		Wires per terminal mm (inch)							
mm²	**(AWG~~/kcmil~~)**	**1**		**2**		**3**		**4 or more**	
2.1 - 5.3	14 - 10	Not specified							
8.4	8	38	1.5	-		-		-	
13.3	6	38	1.5	-		-		-	
21.15	4	50	2	-		-		-	
26.7	3	50	2	-		-		-	
33.6	2	63	2.5	-		-		-	
42.4	1	76	3	-		-		-	
53.5	1/0	127	5	127	5	177	7	-	
67.4	2/0	152	6	152	6	190	7.5	-	
85	3/0	165	6.5	165	6.5	203	8	-	
107.2	4/0	177	7	177	7	215	8.5	-	

Table 4

Wire Bending Space where Wire Connectors are Readily Removable

(See Clause 8.8.2)

Wire size,		Wires per terminal mm (inch)							
mm²	**(AWG~~/kcmil~~)**	**1**		**2**		**3**		**4 or more**	
2.1 - 5.3	14 - 10	Not specified							
8.4	8	38	1.5	-		-		-	
13.3	6	38	1.5	-		-		-	
21.15	4	50	2	-		-		-	
26.7	3	50	2	-		-		-	
33.6	2	63	2.5	-		-		-	
42.4	1	76	3	-		-		-	
53.5	1/0	127	5	127	5	177	7	-	
67.4	2/0	152	6	152	6	190	7-1/2	-	
85	3/0	152	6-1/2	152	6	203	8-1/8	-	
107.2	4/0	152	7	152	6	203	8-1/8	-	

BSR/UL 8750, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products

3. **Potting Compounds**

8.3.10.1 When potting compound temperature is necessary to determine compliance with criteria in 6.7 or 6.8, the observed temperatures of the potting compound and components that are touching or submerged in the potting compound are used to calculate the average value of the potting compound temperature.

4. Feedthrough circuits and receptacles

3.7.2 FEEDTHROUGH RECEPTACLE - A feedthrough circuit in ~~direct plug-in and~~ through cord LED drivers terminating in an integral receptacle, where the receptacle may be suitable for 1) a NEMA plug, 2) a mating connector, or 3) an appliance coupler. For through-cord LED drivers, the ~~The output~~ feedthrough may be ~~integral with the LED driver enclosure or~~ provided in a length of supply cord terminating in the receptacle.

7.4.3A Feedthrough receptacles

~~**Note: This section applies to feedthrough circuits defined in 3.7.1 and may not be appropriate as supplemental requirements for some lighting end-products identified in 1.3. For example, the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573 does not include a requirement similar to 7.4.3A.4.**~~

7.4.3A.1 Receptacles shall ~~have suitable voltage and current load ratings and shall~~ comply with one of the applicable requirements noted below.

a) For NEMA receptacles; the Standard for Attachment Plugs and Receptacles, UL 498,

b) For connectors; the standard for component connectors for use in Data, Signal, Control and Power Applications, UL 1977 with consideration for accessibility concerns as noted in 7.2 , or

c) For appliance couplers; the standard for Appliance Couplers for Household and Similar General Purposes, UL 60320-1.

7.4.3A.2 Receptacles shall;

a) Have suitable voltage and current load ratings, and

b) Be of the same type as the attachment plug used in the input circuit.

7.4.3A.~~2~~3 A supply cord terminating in a receptacle shall;

a) Comply with the Standard for Cord Sets and Power Supply Cords, UL 817,

b) Be of the same type as ~~that~~ the supply cord used in the input circuit,

c) Have suitable voltage and current load ratings, and

d) Comply with the applicable requirements in 7.4.3 including strain relief, except that the cord may be shorter than the requirement in 7.4.3.8.

7.4.3A.~~3~~4 The receptacle (or the supply cord terminating in a receptacle) shall be wired to provide the same grounding or polarity scheme as the input supply.

7.4.3A.45 ~~The feedthrough circuit shall be provided with overcurrent protection integral to the LED driver. The overcurrent protective device shall be rated for the voltage and current load ratings and shall comply with applicable requirements in 7.10.~~ Internal wiring from the input supply to the receptacle (or the supply cord terminating in a receptacle), shall be;

a) Of the same wire gauge and electrical ratings of the input supply, and

b) Wired to provide the same grounding or polarity scheme as the input supply.

~~7.4.3A.5 The current rating of the overcurrent protection shall not exceed the ampacity of the components in the feedthrough circuit (e.g. supply cord and/ or receptacle).~~

9.3.7 Direct plug-in and through-cord LED drivers with a feedthrough receptacle (or a supply cord terminating in a receptacle) shall be marked:

a) “Max ‘X’ model ‘Y’ units”, where the ‘X’ identifies the maximum permitted number of identical units from the same manufacturer, and ‘Y’ identifies the model number, and/ or

b) “Max ‘X’ amps” or “Max ‘X’ watts”, where ‘X” identifies the maximum permitted electrical load.

9.3.~~7~~8 Installation instructions for a direct plug-in and through-cord LED driver with a feedthrough receptacle (or a supply cord terminating in a receptacle) shall include the manufacturer's recommendations for its proper use (e.g. intended use, output ratings and maximum electrical load (current, power), acceptable number of units that can be supplied from the same supply source, considerations for load distribution, cumulative leakage currents, etc.).