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# Project Initiation Notification System (PINS)

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

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## ASCE (American Society of Civil Engineers)

Amanda Myers <[AMyers@asce.org](mailto:AMyers@asce.org)> | 1801 Alexander Bell Drive | Reston, VA 20190 [www.asce.org](http://www.asce.org)

### Revision

BSR/ASCE/CI 71-202x, Identifying, Quantifying, and Proving Loss of Productivity (revision of ANSI/ASCE/CI 71-2021)

Stakeholders: Owners, designers, contractors, construction managers, attorneys, mediators, triers of fact, educators, and researchers

Project Need: The fact that loss-of-productivity disputes and claims are increasing in frequency and magnitude. An additional characteristic of loss of productivity claims is that they can be quite complex for many reasons, including the fact that the lost labor-hours are inseparable from the original contract labor-hours. Thus, there is a need to establish standards for the reliable identification and quantification of productivity loss, followed by the determination of causation and liability for that productivity loss.

Interest Categories: Owners, designers, contractors, construction managers, attorneys, mediators, triers of fact, educators, and researchers

Managing labor productivity is a crucial component of project success. Because labor costs are typically the most variable and a major component of overall project cost, tracking and measuring labor productivity is helpful in preventing, mitigating, and recovering cost overruns. The numerous published treatises and studies on loss of productivity in the construction industry highlight its importance. Despite that importance, there are inconsistencies in the methodologies used to identify, quantify, and determine causation and liability for labor productivity losses.

## BHMA (Builders Hardware Manufacturers Association)

Tony Gambrall <[agambrall@kellencompany.com](mailto:agambrall@kellencompany.com)> | 529 14th Street NW, Suite 1280 | Washington, DC 20045 [www.buildershardware.com](http://www.buildershardware.com)

### Revision

BSR/BHMA A156.1-202x, Butts and Hinges (revision of ANSI/BHMA A156.1-2021)

Stakeholders: Consumers, door and hardware manufacturers, building and construction

Project Need: Update per five-year revision cycle

Interest Categories: User, Government, General Interest, Testing Laboratory, Producer

ANSI/BHMA A156.1 establishes requirements for butts and hinges. Cycle tests, lateral and vertical wear tests, friction tests, strength tests, material and dimensional requirements are included.

**BHMA (Builders Hardware Manufacturers Association)**

Tony Gambrell <[agambrell@kellencompany.com](mailto:agambrell@kellencompany.com)> | 529 14th Street NW, Suite 1280 | Washington, DC 20045 www.buildershardware.com

**Revision**

BSR/BHMA A156.26-202x, Standard for Continuous Hinges (revision of ANSI/BHMA A156.26-2021)

Stakeholders: Consumers, door and hardware manufacturers, building and construction ↑

Project Need: Update per five-year revision cycle

Interest Categories: User, Government, General Interest, Testing Laboratory, Producer ↑

ANSI/BHMA A156.26 establishes requirements for architectural continuous hinges used in building construction. Cycle, abuse, overload, vertical wear, and strength tests are included.

**BHMA (Builders Hardware Manufacturers Association)**

Tony Gambrell <[agambrell@kellencompany.com](mailto:agambrell@kellencompany.com)> | 529 14th Street NW, Suite 1280 | Washington, DC 20045 www.buildershardware.com

**New Standard**

BSR/BHMA A156.45-202x, Standard for Determination of Builders Hardware Energy Consumption (new standard)

Stakeholders: Consumers, door and hardware manufacturers, building and construction ↑

Project Need: A new standard that covers energy usage of externally powered architectural hardware for energy evaluation.

Interest Categories: User, Government, General Interest, Testing Laboratory, Producer ↑

BHMA A156.45 establishes methods for measuring the energy consumed in defined use cases for various types of externally powered architectural hardware.

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

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

**New Standard**

BSR/CSA 440-202x, Performance Standard and Test Protocols for Thermal Energy Storage Systems (new standard)

Stakeholders: Engineers, government, utilities, manufacturers, users

Project Need: Thermal Energy storage systems (TESS) are emerging as an integral component to a resilient and efficient electrical grid through a wide range of potential applications. The evolution of the electrical grid that is currently underway will result in a greater need for network services that could be provided by thermal energy storage systems. To effectively compare TESS, it's important to have a consistent way to compare and evaluate performance, efficiency and life cycle of TESS, regardless of the storage technology used. The comparison can be made with parameters measured to the point of use to enable a direct comparison.

Interest Categories: General interest, users, government and regulatory authority, manufacturers.

The scope consists of developing a new standard for TESS used for heating in residential, commercial, and institutional building performances. As a starting point, a review of existing standard (such as IEC 62933-2-1:2017) that could be used shall be done. The standard will include; definition of what is considered as a TESS. The energy performance specifications of TESS (i.e., charging time, discharging time, nominal energy capacity at a set temperature, active power for charging and discharging, roundtrip efficiency, expected service life, range of temperature for operation, system response time, ramp rate, self-discharge performance (rate of loss when charged at full capacity), power consumption, static loss and cycles discharge losses in a defined set of weather conditions for operation, definition of testing methodologies for those characteristics.) Also referencing other standards when applicable, and adapting the standard requirements to Canadian market, considering local weather and practices, Adding guidelines for life-cycle TESS calculation, helping building and grid operators conduct economic analysis, to adequately incentive TESS, and to help customers and installers to adequately choose a product or a technology for a given situation and including basic function and grid services as an informative annex.

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

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

**National Adoption**

BSR/CSA V602-202x, Railway applications – Rolling stock – Onboard lithium-ion traction batteries (national adoption with modifications of IEC 62928)

Stakeholders: Manufacturers, regulators, operators, and users.

Project Need: In advance of developing the standard, a technical specification will be published and used as the basis for the national standard. The development of this standard will support the safe deployment and the use of lithium-ion traction batteries for rolling stock applications as standard does not exist for this application of this technology. Industry stakeholders have confirmed that development of a national standard for the lithium-ion traction batteries rolling stock applications would support technological advancement and deployment.

Interest Categories: Manufacturers, regulators, operators, and users.

This document applies to onboard lithium-ion traction batteries for railway applications. This document specifies the design, operation parameters, safety recommendations, data exchange, routine and type tests, as well as marking and designation. Battery systems described in this document are used for the energy storage system (ESS) for the traction power of railway vehicles such as hybrid vehicles as defined in IEC 62864-1:2016. Auxiliary batteries to supply power only to the auxiliary equipment are excluded. Subcomponents within the battery systems, e.g., battery management system (BMS) and battery thermal management system (BTMS), are also covered in this document. Power conversion equipment (e.g., chopper, converter, etc.), inductors, capacitors and switchgear are excluded from the scope of this document. General requirements for onboard ESS are described in IEC 62864-1:2016. This document specifies the lithium-ion battery technology but does not prevent the use of battery technologies other than lithium-ion technology for application as traction batteries. A hybrid energy storage system, which uses two or more energy storage technologies combined, e.g., a traction battery and double-layer capacitors, is not covered in this document.

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

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

**New Standard**

BSR/CSA V701-202x, Hydrogen Fuel Storage Containers for Aviation Applications (new standard)

Stakeholders: Consumers, manufacturers, regulators, and users.

Project Need: The development of this standard will support the safe deployment and the use of hydrogen fuel in aviation applications.

Interest Categories: Consumers, manufacturers, regulators, and users.

This Standard contains requirements and recommendations for the material, design, manufacture, marking, and testing of serially produced, refillable hydrogen fuel storage containers intended only for the storage of compressed hydrogen gas or liquid hydrogen fuel for aviation applications. Excludes containers covered by CSA HGV 2 Compressed Hydrogen Gas Vehicle Fuel Containers.

**CTA (Consumer Technology Association)**

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

**Revision**

BSR/CTA 2043-B-202x, Set-Top Box (STB) Power Measurement (revision of ANSI/CTA 2043-A-2019)

Stakeholders: Consumers, manufacturers, retailers

Project Need: This standard defines procedures for measuring Set-top Box (STB) power consumption.

Interest Categories: General interest, users, Producers

This standard defines procedures for measuring Set-top Box (STB) power consumption.

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

Jennifer Kirk <[jkirk@esda.org](mailto:jkirk@esda.org)> | 218 W. Court Street | Rome, NY 13440 <https://www.esda.org>

**Revision**

BSR/EOS ESD S13.1-202X, ESD Association Standard for the Protection of Electrostatic Discharge-Susceptible Items – Electrical Soldering/Desoldering Hand Tools (revision of ANSI/ESD S13.1-2015 (R2020))

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

Project Need: This standard provides electrical soldering/desoldering hand tool test methods for measuring current leakage, tip to ground reference point resistance, and tip voltage.

Interest Categories: User, Manufacturer, Supplier, and General Interest

This standard establishes test procedures to (1) qualify, (2) perform testing of, and (3) test repaired three-wire AC, soldering/desoldering hand tools.

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

Jennifer Kirk <[jkirk@esda.org](mailto:jkirk@esda.org)> | 218 W. Court Street | Rome, NY 13440 <https://www.esda.org>

**Revision**

BSR/EOS ESD S6.1-202X, ESD Association Standard for the Protection of Electrostatic Discharge-Susceptible Items – Grounding (revision of ANSI/ESD S6.1-2019)

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

Project Need: This standard specifies the parameters, materials, equipment, and test procedures necessary to choose, establish, verify, and maintain an ESD control grounding system for use within an ESD protected area (EPA) for protection of ESD susceptible items. This standard also specifies the criteria for establishing ESD bonding for the protection of ESD susceptible items in field service or other remote operations.

Interest Categories: User, Manufacturer, Supplier, and General Interest

This standard applies to bonding and grounding for the prevention of ESD in an EPA. The procedures, materials, and techniques specified in this standard may not be applicable for grounding of electrical sources operating at frequencies above 400 Hz. Electrically initiated explosive devices and hazardous areas with flammable atmospheres may require additional considerations that may not be adequately covered by these requirements.

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

Jennifer Kirk <[jkirk@esda.org](mailto:jkirk@esda.org)> | 218 W. Court Street | Rome, NY 13440 <https://www.esda.org>

**Revision**

BSR/EOS ESD SP5.3.3-202X, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing – Charged Device Model (CDM) Testing – Component Level – Low-Impedance Contact CDM as an Alternative CDM Characterization Method (revision of ANSI/ESD SP5.3.3-2018)

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

Project Need: The purpose of this standard practice is to define a low-impedance contact-based test method for charged device model (CDM) characterization.

Interest Categories: User, Manufacturer, Supplier, and General Interest

This standard practice establishes the procedure for testing devices and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined contact CDM electrostatic discharge (ESD). All packaged semiconductor devices, thin film circuits, surface acoustic wave (SAW) devices, optoelectronic devices, hybrid integrated circuits (HICs), and multi-chip modules (MCMs) containing any of these devices can be characterized according to this standard practice.

**NEMA (ASC C50) (National Electrical Manufacturers Association)**

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

**National Adoption**

BSR/NEMA 61800-3-202x, Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods for PDS and machine tools (identical national adoption of IEC 61800-3 2022)

Stakeholders: Adjustable Speed Drive Manufacturers, Motor Manufacturers, Manufacturing Systems, Motor Drive Systems Specifiers

Project Need: This project is needed to align EMC requirements for Adjustable Speed Drives Systems.

Interest Categories: Producers, Users, and General Interest

IEC 61800-3:2022 specifies electromagnetic compatibility (EMC) requirements for adjustable-speed power drive systems (PDSs) and machine tools (MTs). A PDS is an AC or DC motor drive including an electronic converter.

Requirements are stated for AC and DC PDSs and MTs with input and/or output voltages (line-to-line voltage), up to 35 kV AC RMS. This document applies to equipment of all power ratings. As a product EMC standard, this document can be used for the assessment of PDS and MT. It can also be used for the assessment of complete drive modules (CDM) or basic drive modules (BDM).

**NEMA (ASC C50) (National Electrical Manufacturers Association)**

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

**National Adoption**

BSR/NEMA/IEC 61800-9-2-202x, Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification as a Standard (identical national adoption of IEC 61800-9-2:2023 Ed. 2)

Stakeholders: Adjustable Speed Drive Manufacturers, Motor Manufacturers, Manufacturing Systems, Motor Drive Systems Specifiers, Building an Municipal Users, Government Regulators

Project Need: This project is needed to adopt the recent new edition of IEC 61800-9-2 with updates to the extended product approach for addressing energy efficiency in motor drive systems.

Interest Categories: Producers, Users, General Interest

IEC 61800-9-2:2023 specifies energy efficiency indicators of power electronics (complete drive modules (CDM), input or output sub-drive modules (SDM), power drive systems (PDS) and motor starters), all used for motor-driven equipment. This document is a group energy efficiency publication according to IEC Guide 119 and specifies the methodology for the determination of losses of the complete drive module (CDM), the sub-drive module (SDM), the power drive system (PDS), and the motor system. It defines IE and IES classes, their limit values and provides test procedures for the classification of the overall losses of the motor system.

**SPRI (Single Ply Roofing Industry)**

Linda King <[info@spri.org](mailto:info@spri.org)> | 465 Waverley Oaks Road, Suite 421 | Waltham, MA 02452 [www.spri.org](http://www.spri.org)

**New Standard**

BSR/SPRI TDP-1-202x, Test Standard for Comparative Adhesion Strengths of Waterproofing Membranes, Membrane Adhesives, and Board Stock Materials or Other Suitable Substrates Used with Low Slope Roofing Systems (new standard)

Stakeholders: Roof system manufacturers, roofing component manufacturers (adhesives, board stock materials), Testing labs, accreditation bodies, certification services

Project Need: The test procedure in this standard will be useful in qualifying components or component combinations to reduce the dependence on large-scale roof assembly testing.

Interest Categories: Producer, Other Producer, User, General Interest

This standard provides basic requirements and procedures for determining the maximum failure load of waterproofing membranes, membrane adhesives, and board stock materials or other suitable substrates when tested for adhesion strength in peel.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-33-B-202x, FOTP-33 Optical Fiber Cable Tensile Loading and Bending Test (new standard)

Stakeholders: Manufacturing and end users of optical fiber

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

This test is intended to verify the ability of an optical fiber cable to perform satisfactorily as required by Detail Specifications (a) while undergoing tensile and bending forces and (b) after undergoing tensile and bending forces.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-41-A-202x, FOTP-41 Compressive Loading Resistance of Optical Fiber Cables (new standard)

Stakeholders: Users and Manufacturers of Fiber Optics

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

The intent of this test procedure is to determine the ability of a fiber cable to mechanically and optically withstand, or recover from (or both), the effects of a slowly applied compressive force. The following parameters may be measured or observed: the number of fibers broken during compressive loading; the changes in optical transmittance or attenuation during or after the loading; any change in the outer covering.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-85-A-202x, FOTP-85 Fiber Optic Cable Twist Test (new standard)

Stakeholders: Manufacturers and end users of optical fiber

Project Need: Create new standard

Interest Categories: User, Producer and General Interest

The intent of this test procedure is to establish the ability of a fiber optic cable (or fiber optic cable component, when appropriate) to mechanically withstand twisting.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-87-B-202x, FOTP-87 Fiber Optic Cable Knot Test (new standard)

Stakeholders: Manufacturers and end users of optical fiber

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

The intent of this test procedure is to evaluate the effect of a sever bend in a fiber optic cable due to a knot using appropriate test procedures and parameters. Used to test any type of fiber optic cable.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-88-202x, FOTP-88 Fiber Optic Cable Bend Test (new standard)

Stakeholders: Optical Fiber manufacturers, developers and users

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

The intent of this bend test is to determine the degree of cable degradation that will occur if the cable is statically bent around a corner of a given radius. Cables that are most likely to be subject to this type of bend in actual installation are building entrance cables, flexible cables and buried service type cables.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-89-B-202x, FOTP-89 Optical Fiber Cable Jacket Elongation and Tensile Strength (new standard)

Stakeholders: Optical Fiber manufacturers, developers, and users

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

The intent of this test procedure is to describe a method for determining the elongation and tensile strength of optical fiber cable jackets.

**TIA (Telecommunications Industry Association)**

Teesha Jenkins <[tjenkins@tiaonline.org](mailto:tjenkins@tiaonline.org)> | 1320 North Courthouse Road, Suite 200 | Arlington, VA 22201-2598 [www.tiaonline.org](http://www.tiaonline.org)

***New Standard***

BSR/TIA 455-91-202x, FOTP-91 Fiber Optic Cable Twist-Bend Test (new standard)

Stakeholders: Manufacturers and end users of optical fiber

Project Need: Create new standard

Interest Categories: User, Producer, and General Interest

The intent of this test procedure is to describe a procedure for determining the ability of a fiber optic cable to withstand simultaneous bending and twisting.



# Call for Comment on Standards Proposals

## American National Standards

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

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

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: [psa@ansi.org](mailto:psa@ansi.org)

\* Standard for consumer products

## Comment Deadline: October 27, 2024

### NEMA (National Electrical Manufacturers Association)

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

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

BSR/NEMA MG 60034-31-202x, Efficiency Application Guidelines for the Selection of Motors Including Variable Speed Applications (new standard)

Provides a guideline of technical and economical aspects for the application of energy-efficient electric AC motors. Applies to motor manufacturers, OEMs (original equipment manufacturers), end users, regulators, legislators and other interested parties.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Michael Leibowitz <[mike.leibowitz@nema.org](mailto:mike.leibowitz@nema.org)>

### **PHTA (Pool and Hot Tub Alliance)**

1650 King Street, Suite 602, Alexandria, VA 22314 | [standards@phta.org](mailto:standards@phta.org), [www.PHTA.org](http://www.PHTA.org)

#### ***Revision***

BSR/PHTA/ICC-4-202x, Standard for Aboveground/Onground Residential Swimming Pools (revision and redesignation of ANSI/APSP/ICC-4 2012 (R2022))

This standard describes certain criteria for the design, manufacturing, testing, care, and use of aboveground/onground residential (Type-O) non-diving swimming pools and their components. These pools are defined as pools with a shallow area water depth of 36 in. (914 mm) minimum at the wall and a water depth of 48 in. maximum (1219 mm) at the wall. This includes portable pools with flexible/non-rigid or rigid side walls which achieve their structural integrity by means of uniform shape, support frame or a combination thereof, and can be disassembled for storage or relocation. This standard does not apply to pools covered by the most current published versions of ANSI/APSP/ICC-1 standard for Public Swimming Pools or ANSI/APSP/ICC-5 standard for Residential Inground Swimming Pools or other pools or spas designed for medical treatment, physical therapy, or other special purposes.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Genevieve Lynn <[standards@phta.org](mailto:standards@phta.org)>

## Comment Deadline: October 27, 2024

### ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | [Marcia.M.Kawate@ul.org](mailto:Marcia.M.Kawate@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 174-202x, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174-2023)

The following topics are being recirculated: (1) Remote Operation Functionality and (2) Electronic User Interface.

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

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

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC | [akhira.watson@ul.org](mailto:akhira.watson@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 347A-202x, Standard for Medium Voltage Power Conversion Equipment (revision of ANSI/UL 347A -2022)

A proposed revision to UL 347A, Standard for Medium Voltage Power Conversion Equipment, which includes the following: (1) Withdrawal and replacement of ANSI/ISA MC96.1, Temperature – Measurement Thermocouples.

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

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

### ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | [Linda.L.Phinney@ul.org](mailto:Linda.L.Phinney@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 758-202X, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2024)  
DC Dielectric Voltage-Withstand Test Potentials, Revised Table 29.1; DC Dielectric Voltage-Withstand Test Potentials, Revised Table 49.1

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://csds.ul.com/ProposalAvailable>

### ULSE (UL Standards & Engagement)

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

#### Revision

BSR/UL 1576-202x, UL Standard for Safety for Flashlights and Lanterns (revision of ANSI/UL 1576-2022)

Proposed revisions to align UL 1576, 2nd Edition, with the August 30, 2023 revision of UL 4200A.

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

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

## Comment Deadline: October 27, 2024

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, RTP, NC 27709 | [sean.mcalister@ul.org](mailto:sean.mcalister@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 8400-202x, Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment (revision of ANSI/UL 8400-2023)

The following are being recirculated for your review; (2) Revisions per UL 62368-1 and revision of Functional Safety requirements; (5) Revision of Safety and Warning Instructions; (6) Clarification of Transmittance testing; (7) Clarification of Flicker testing; (9) Revision to scope of the Standard.

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

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

## Comment Deadline: November 11, 2024

### AAFS (American Academy of Forensic Sciences)

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

#### New Standard

BSR/ASB Std 124-202x, Minimum Requirements and Recommendations for a Firearm and Toolmark Examiner Training Program (new standard)

This standard covers the minimum requirements and recommendations for firearm and toolmark examiner training programs. The requirements include the essential skills and knowledge needed to perform successfully in the discipline. Requirements and recommendations include training topics, documentation, casework exercises, and methods for testing the competency of the examiner. This document also provides guidance regarding which training elements may be removed in cases where a trainee is being qualified in only one category of testing. This standard does not preclude agencies from adding additional mission-specific requirements.

Single copy price: Free

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

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

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

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

#### Revision

BSR S12.61-202x, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (revision of ANSI/ASA S12.61-2020)

Information on the acoustical noise emitted by machinery, equipment, and products is needed by consumers, manufacturers, building and land-use planners, governmental authorities, and others concerned about noise in order to make informed purchasing decisions. To meet this need, this Standard gives requirements and guidelines for how to properly and uniformly provide product noise level information to the public.

Single copy price: \$136.00

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

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

## Comment Deadline: November 11, 2024

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASABE D606-OCT2020 (R202x), Property and Relationships for Distiller Dried Grains with Solubles (DDGS) (reaffirmation of ANSI/ASABE D606-2020)

The purpose of this Standard is to summarize what is known about the physical properties of DDGS. This encompasses values for key properties and their known ranges. This information is needed by agricultural and other engineers and technologists who design and build storage structures as well as also material handling and processing equipment for DDGS, at both the commercial and the farm scale.

Single copy price: Free

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

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

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

2950 Niles Road, St. Joseph, MI 49085 | [ingeson@asabe.org](mailto:ingeson@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASABE S633-MAY2020 (R202x), Testing Protocol for Landscape Irrigation Soil Moisture-Based Control Technologies (reaffirmation of ANSI/ASABE S633-MAY2020)

To standardize a test that can be used to evaluate the performance characteristics of soil moisture sensors in response to soil moisture changes. The standard will also provide a method to determine if the sensor bypasses scheduled irrigation at preset soil moisture values, if so equipped.

Single copy price: Free

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

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

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE EP545 MAR1995 (R202x), Loads Exerted by Free-Flowing Grain on Shallow Storage Structures (reaffirmation of ANSI/ASAE EP545 MAR1995 (R2019))

This Engineering Practice presents methods of estimating the grain pressures within shallow storage structures used to store free-flowing, agricultural whole grains.

Single copy price: Free

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

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

## Comment Deadline: November 11, 2024

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S422.1-2015 (R202x), Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (reaffirmation of ANSI/ASAE S422.1-2015 (R2019))

The purpose of this Standard is to establish a list of standard descriptive elements for use in erosion- and sediment-control plan development. These elements consist of mapping symbols, keys, modifiers, and corresponding nomenclature. By improving consistency across plans, this Standard should facilitate the use and review of such plans by contractors and other professionals.

Single copy price: Free

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

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

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S436.2-JUN2020 (R202x), Field Test Procedure for Determining Irrigation Water Distribution Uniformity of Center Pivot and Lateral Move Systems (reaffirmation of ANSI/ASAE S436.2-JUN2020)

The purpose of this Standard is to define an in-field method for characterizing the uniformity of water distribution of sprinkler packages installed on center pivots and lateral move irrigation machines. This test produces data to be used in computing the coefficient of uniformity, which can assist in system design and/or selection, and can be used to quantify certain aspects of system performance in the field. The coefficient of uniformity is only one factor in evaluating total system performance. Application rates, runoff, wind, amount of water applied, pump performance, and overall system management can greatly affect the total performance of irrigation systems.

Single copy price: Free

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

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

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

#### **Reaffirmation**

BSR/ASAE S433.1 JAN2019 (R202x), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE S433.1 JAN2019)

This Standard presents methods of predicting the grain pressures within centrally loaded and unloaded bins used to store free-flowing, agricultural whole grain.

Single copy price: Free

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

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

## Comment Deadline: November 11, 2024

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

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

#### **Addenda**

BSR/ASHRAE/ICC/IES/USGBC Addendum h to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023)

The performance approach to energy efficiency compliance in Standard 189.1-2023 currently requires compliance with each of three different metrics: cost, source energy, and CO<sub>2</sub>e. In recent years, the focus of the building industry has increasingly shifted to CO<sub>2</sub>e emissions. This addendum deletes the use of energy cost and source energy metrics and leaves CO<sub>2</sub>e as the sole performance approach metric. The current option of using either annual average emission factors or time varying factors is retained. The Standard 90.1-2022 backstop for energy efficiency is retained and the language has been moved from the previous Section 7.6.1.1 to new Section 7.6.1. This change will greatly simplify Section 7.6 for users.

Single copy price: \$35.00

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

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

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

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

#### **Revision**

BSR/ASME B30.6-202x, Derricks (revision of ANSI/ASME B30.6-2020)

Volume B30.6 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of guy, stiff leg, basket, breast, gin pole, Chicago boom, shearleg, and A-frame derricks.

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Kathleen Peterson <[peterstonk@asme.org](mailto:peterstonk@asme.org)>

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### **Revision**

BSR/ASME BPVC Section VIII-202x, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2023)

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

Single copy price: Free

Obtain an electronic copy from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Steven Rossi <[rossis@asme.org](mailto:rossis@asme.org)>

## Comment Deadline: November 11, 2024

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

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

#### **Revision**

BSR/AWWA B506-202x, Zinc Orthophosphate (revision of ANSI/AWWA B506-2018)

This standard describes zinc orthophosphate (ZOP) corrosion inhibitor in dry and liquid forms for use in the treatment of potable water, wastewater, or reclaimed water.

Single copy price: Free

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

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

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

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

#### **Revision**

BSR/AWWA C229-202x, Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings (revision of ANSI/AWWA C229-2020)

This standard describes the materials and application requirements for factory-applied, fusion-bonded polyethylene (FBPE) coating to the exterior of steel water pipes and fittings.

Single copy price: Free

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

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

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

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

#### **Revision**

BSR/AWWA D110-202x, Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks (revision of ANSI/AWWA D110-2013 (R2018))

The intent of this standard is to provide minimum requirements for the design, construction, inspection, and maintenance of wire- and strand-wound, circular, prestressed concrete water tanks with the following four types of core walls:

Type I—cast-in-place concrete with vertical prestressed reinforcement;

Type II—shotcrete with a steel diaphragm;

Type III—precast concrete with a steel diaphragm;

Type IV—cast-in-place concrete with a steel diaphragm.

Single copy price: Free

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

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

## Comment Deadline: November 11, 2024

### **FM (FM Approvals)**

One Technology Way, Norwood, MA 02062 | [josephine.mahnken@fmapprovals.com](mailto:josephine.mahnken@fmapprovals.com), [www.fmapprovals.com](http://www.fmapprovals.com)

#### **Revision**

BSR/FM 4881-202x, Evaluating Exterior Wall Systems (revision of ANSI/FM 4881-2017)

This test standard sets performance requirements for Exterior Wall Systems by evaluating the ability of these products to limit fire propagation over and/or through the assembly when exposed to an ignition source simulating a building fire. The standard also sets the performance requirements for exterior wall panels when exposed to various natural hazards such as the cyclic nature of high wind events, the impact of simulated hail and where required, the impact of windborne debris during hurricanes, tropical cyclones, and typhoons.

Single copy price: Free

Obtain an electronic copy from: [josephine.mahnken@fmapprovals.com](mailto:josephine.mahnken@fmapprovals.com)

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

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

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

#### **New Standard**

BSR/IICRC S410-202x, IICRC Standard for Professional Cleaning of the Built Environment for Infection Control (new standard)

This standard will provide practical principles, methods, and processes to clean, sanitize, and evaluate the cleaning of the built environment. Further, this Standard will focus on reaching a hygienically clean outcome with verifiable results. This standard will also establish methods and processes to document, clean, sanitize, disinfect, and evaluate facilities that require a higher level of cleaning. This standard does not cover cleaning of healthcare or agricultural facilities.

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s410/>

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

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

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

#### **New Standard**

BSR/IICRC S900-202x, IICRC Standard for Professional Remediation of Precursors, Drug Residues, and Associated Chemical Waste (new standard)

This Standard describes the procedures to be followed and the precautions to be taken when organizing the work for a project involving the remediation and cleaning of a site that is contaminated by precursors, drug residues, and associated chemical waste.

Single copy price: Free

Obtain an electronic copy from: <https://iicrc.org/s900/>

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



## Comment Deadline: November 11, 2024

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

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

#### **Revision**

BSR/NECA 430-202X, Standard for Installing and Commissioning Medium-Voltage Switchgear (revision of ANSI/NECA 430-2016)

This standard describes site preparation and installation of new medium-voltage switchgear and maintenance procedures for existing medium-voltage switchgear nominally rated up to a maximum operating voltage of 38 kV AC. Medium-voltage switchgear may be classified as either metal-clad switchgear or metal-enclosed switchgear. Medium-voltage switchgear may also be arc-resistant or non-arc-resistant construction.

Single copy price: \$30.00 (Members); \$60.00 (Non-members)

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

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

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

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

#### **National Adoption**

BSR/TIA 455-204-B-202x, FOTP-204, Adoption of IEC 60793-1-41:2024, Optical Fibres - Part 1:41 Measurement methods and test procedures - Bandwidth (identical national adoption of IEC 60793-1-41)

Update ANSI/TIA 455-204-A by adopting IEC 60793-1-41:2024, Optical Fibres - Part 1:41 - Measurement methods and test procedures - Bandwidth. Entire document is open for comment.

Single copy price: \$105.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Cheryl Thibideau <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

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

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

#### **New Standard**

BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

Create a standard for defining the transmission requirements for industrial cabling and components supporting single balanced twisted-pair cabling for MICE2 and MICE3 environments. Specify components that meet the transmission requirements for cabling for Industrial Premises. This Standard establishes performance and technical criteria in support of single-pair applications such as Ethernet. The entire document is open for comment.

Single copy price: \$109.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Cheryl Thibideau <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

## Comment Deadline: November 11, 2024

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

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

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

BSR/TIA 758-C-202x, Customer-Owned Outside Plant Telecommunications Infrastructure Standard (new standard)

The purpose of this Standard is to enable the planning and installation of an outside plant structured cabling system infrastructure. This Standard establishes the recommendations and requirements used in the design of the telecommunication pathways and spaces, and the cabling installed between buildings or points in a customer-owned campus environment. Customer-owned campus facilities are typically termed "outside plant" (OSP). For the purpose of this Standard they are termed "customer-owned OSP." The entire document is open for comment.

Single copy price: \$184.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### ***Reaffirmation***

BSR/TIA 455-62-C-2020 (R202x), IEC 60793-147: Optical Fibres - Part 147: Measurement Methods and Test Procedures - Macrobending Loss (reaffirm a national adoption ANSI/TIA 455-62-C-2020)

Update current adoptions with re-adoptions of more recent IEC versions. Entire document is open for comment.

Single copy price: \$107.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### ***Reaffirmation***

BSR/TIA 455-67-B-2020 (R202x), IEC 60793-151: Optical Fibres - Part 151: Measurement Methods and Test Procedures (Dry Heat) (reaffirm a national adoption ANSI/TIA 455-67-B-2020)

Update current adoptions with re-adoptions of more recent IEC versions. Entire document is open for comment.

Single copy price: \$65.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### ***Reaffirmation***

BSR/TIA 455-74-B-2020 (R202x), IEC 60793-1-53: Optical Fibres - Part 1-53: Measurement Methods and Test Procedures - Water Immersion (reaffirm a national adoption ANSI/TIA 455-74-B-2020)

Update current adoptions with re-adoptions of more recent IEC versions. Entire document is open for comment.

Single copy price: \$65.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

## Comment Deadline: November 11, 2024

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

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

#### **Reaffirmation**

BSR/TIA 455-78-C-2020 (R202x), IEC 60793-1-40: Optical Fibres - Part 1-40: Measurement Methods and Test Procedures - Attenuation (reaffirm a national adoption ANSI/TIA 455-78-C-2020)

This part of IEC 60793 establishes uniform requirements for measuring the attenuation of optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes. Four methods are described for measuring attenuation, one of which being that for modelling spectral attenuation:

Method A: cut-back;

Method B: insertion loss;

Method C: backscattering;

Method D: modeling spectral attenuation.

Entire document is open for comment.

Single copy price: \$105.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### **Reaffirmation**

BSR/TIA 455-80-D-2020 (R202x), FOTP-80: IEC 60793-1-44: Measurement Methods and Test Procedures - Cut-off Wavelength (reaffirm a national adoption ANSI/TIA 455-80-D-2020)

This document establishes uniform requirements for measuring the cut-off wavelength of single-mode optical fibre. Entire document is open for comment.

Single copy price: \$84.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### **Reaffirmation**

BSR/TIA 455-82-C-2020 (R202x), FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (reaffirmation of ANSI/TIA 455-82-C-2020)

Revise ANSI/TIA 455-82B to: (1) Update the default test length for water penetration samples from 1m to 3m; (2) Update the sample length for retest from 3m to 40m; and (3) Consider the impact of the length change on test duration. Update the treatment of dry water blocked cable. Entire document is open for comment.

Single copy price: \$69.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

## Comment Deadline: November 11, 2024

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

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

#### **Reaffirmation**

BSR/TIA 455-95-B-2019 (R202x), Absolute Optical Power Test for Optical Fibers and Cables (reaffirmation of ANSI/TIA 455-95-B-2019)

Method for determining the total optical power emanating from an optical fiber. Entire document is open for comment.

Single copy price: \$71.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

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

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

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

#### **Reaffirmation**

BSR/TIA 455-122-C-2020 (R202x), IEC 60793-1-48: Measurement Methods and Test Procedures-Polarization Mode Dispersion (reaffirm a national adoption ANSI/TIA 455-122-C-2020)

Update current adoptions with re-adoptions of more recent IEC versions. Entire document is open for comment.

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#### **Reaffirmation**

BSR/TIA 455-175-C-2020 (R202x), IEC 60793-1-42: Optical Fibres - Part 1-42: Measurement Methods and Test Procedures - Chromatic Dispersion (reaffirm a national adoption ANSI/TIA 455-175-C-2020)

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#### **Reaffirmation**

BSR/TIA 455-176-B-2020 (R202x), IEC 60793-1-20: Optical Fibres - Part 1-20: Measurement Methods and Test Procedures - Fibre Geometry (reaffirm a national adoption ANSI/TIA 455-176-B-2020)

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#### **Reaffirmation**

BSR/TIA 455-177-C-2020 (R202x), IEC 60793-1-43: Optical Fibres - Part 1-43: Measurement Methods and Test Procedures - Numerical Aperture (reaffirm a national adoption ANSI/TIA 455-177-C-2020)

Update current adoptions with re-adoptions of more recent IEC versions. Entire document is open for comment.

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#### **Reaffirmation**

BSR/TIA 455-178-C-2021 (R202x), IEC 60793-1-32: Optical Fibres - Part 1-32: Measurement Methods and Test Procedures - Coating Strippability (reaffirm a national adoption ANSI/TIA 455-178-C-2021)

This part of IEC 60793 is intended primarily for testing either fibres as produced by a fibre manufacturer or subsequently overcoated (tight buffered) using various polymers. The test can be performed either on fibres as produced or after exposure to various environments. The object of this standard is to establish uniform requirements for the mechanical characteristic coating strippability. This test quantifies the force required to mechanically remove the protective coating from optical fibres along their longitudinal axis. Entire document is open for comment.

Single copy price: \$69.00

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#### **Reaffirmation**

BSR/TIA 455-191-C-2020 (R202x), Adoption of IEC-60793-1-45: Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (reaffirm a national adoption ANSI/TIA 455-191-C-2020)

The current version of this document references an IEC version with errors. The most recent version of the IEC document addresses these errors, but we have not yet adopted the newest version. Entire document is open for comment.

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#### **Reaffirmation**

BSR/TIA 455-244-A-2020 (R202x), Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (reaffirmation of ANSI/TIA 455-244-A-2020)

This document will revise ANSI/TIA 455-244 to harmonize with IEC 60794-1-22, Method F18. Entire document is open for comment.

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#### **National Adoption**

BSR/UL 60335-2-40-202X, Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers (national adoption of IEC 60335-2-40 with modifications and revision of ANSI/UL 60335-2-40-2022)

Revise the fourth edition of UL 60335-2-40 which deals with the safety of electric heat pumps, including hot water heat pumps, air conditioners, and dehumidifiers incorporating motor-compressors as well as without motor-compressors. It also deals with hydronic fan coil units, their maximum rated voltages being not more than 300 V for single phase appliances and 15,000 V for all other appliances. Partial units are within the scope of this Standard.

Single copy price: Free

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#### **National Adoption**

BSR/UL 60335-2-40-202X, Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers (national adoption of IEC 60335-2-40 with modifications and revision of ANSI/UL 60335-2-40-2022)

This proposal updates clauses 4DV.1, DD.3.1DV, 7.1DV.4, 7.1DV.7, and 22.135DV. The proposed revisions will remove the wording which states manufacturers must provide a means to permanently mark the refrigerant installed and instead directly state and require that the type of refrigerant allowed for use in the refrigerating system must be marked by only the manufacturer. This change eliminates the interpretation that a manufacturer may provide a means for a partial unit to be marked with a refrigerant type at the time of installation when it is matched to another partial unit completing the refrigerating system. Additionally, these changes address the indoor coils of add-on heat pumps which do not have a surface to apply nameplates and labels which are required by UL 60335-2-40.

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100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [hilal.elmsilmani@ul.org](mailto:hilal.elmsilmani@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 6A-2019 (R202x), Standard for Safety for Electrical Rigid Metal Conduit - Aluminum, Red Brass, and Stainless Steel (reaffirmation of ANSI/UL 6A-2019)

The requirements in this standard cover aluminum (ERMC-A) and stainless steel (ERMC-SS) electrical rigid metal conduit, nipples, elbows, and couplings in 12 – 155 (3/8 – 6) trade sizes for use as metal raceway for the installation of wires and cables in accordance with CSA C22.1, Canadian Electrical Code, Part 1; NOM-001-SEDE, Standard for Electrical Installations; and NFPA 70, National Electrical Code. These requirements also cover red brass (ERMC-RB) electrical rigid metal conduit, nipples, elbows, and couplings in 16 (1/2) trade size for use as metal raceway for the installation of wires and cables in direct burial and swimming pool applications in accordance with the applicable national electrical installation codes.

Single copy price: Free

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

#### Reaffirmation

BSR/UL 60079-6-2016 (R202x), Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion o (reaffirm a national adoption ANSI/UL 60079-6-2016 (R2020))

(1) Reaffirmation and continuance of the Fourth Edition of the Standard for Safety for Explosive Atmospheres – Part 6: Equipment Protection by Liquid Immersion “o”, UL 60079-6, as an American National Standard.

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#### Reaffirmation

BSR/UL 60079-25-2011 (R202x), Standard for Safety for Explosive Atmospheres - Part 25: Intrinsically Safe Electrical Systems (reaffirm a national adoption ANSI/UL 60079-25-2011 (R2020))

(1) Reaffirmation and continuance of the Second Edition of the Standard for Safety for Explosive Atmospheres – Part 25: Intrinsically Safe Electrical Systems, UL 60079-25, as an American National Standard.

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

#### Revision

BSR/UL 1030-202x, Standard for Safety for Sheathed Heating Elements (revision of ANSI/UL 1030-2024)

This proposal for UL 1030 covers: (1) Leakage Current Requirements Referencing UL 101.

Single copy price: Free

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#### National Adoption

INCITS/ISO/IEC 15444-4:2024 [202x], Information technology - JPEG 2000 image coding system - Part 4: Conformance testing (identical national adoption of ISO/IEC 15444-4:2024 and revision of INCITS/ISO/IEC 15444-4:2021 [2022])

Specifies the framework, concepts, methodology for testing, and criteria to be achieved to claim compliance to Rec. ITU-T T.800 | ISO/IEC 15444-1 or Rec. ITU-T T.814 | ISO/IEC 15444-15. It provides a framework for specifying abstract test suites (ATs) and for defining the procedures to be followed during compliance testing.

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#### National Adoption

INCITS/ISO/IEC 15938-17:2024 [202x], Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis (identical national adoption of ISO/IEC 15938-17:2024)

Specifies Neural Network Coding (NNC) as a compressed representation of the parameters/weights of a trained neural network and a decoding process for the compressed representation, complementing the description of the network topology in existing (exchange) formats for neural networks. It establishes a toolbox of compression methods, specifying (where applicable) the resulting elements of the compressed bitstream.

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#### **National Adoption**

INCITS/ISO/IEC 18013-4:2019/AM1:2024 [202x], Personal identification - ISO-compliant driving licence - Part 4: Test methods - Amendment 1: Test methods for compact encoding (identical national adoption of ISO/IEC 18013-4:2019/AM1:2024)

Amendment 1 to ISO/IEC 18013-4:2019.

Single copy price: \$194.00

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#### **National Adoption**

INCITS/ISO/IEC 18181-1:2024 [202x], Information technology - JPEG XL image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 18181-1:2024)

Specifies a set of compression methods for coding one or more images of bi-level, continuous-tone greyscale, or continuous-tone color, or multichannel digital samples. This document specifies decoding processes for converting compressed image data to reconstructed image data; specifies a codestream syntax containing information for interpreting the compressed image data; provides guidance on encoding processes for converting source image data to compressed image data.

Single copy price: \$278.00

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#### **National Adoption**

INCITS/ISO/IEC 18181-2:2024 [202x], Information technology - JPEG XL image coding system - Part 2: File format (identical national adoption of ISO/IEC 18181-2:2024)

Specifies the transport and container formats for JPEG XL codestreams as specified in ISO/IEC 18181-1. This document specifies how to add metadata and extensions to JPEG XL codestreams. A file as described by this document is called a JPEG XL file.

Single copy price: \$124.00

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#### **National Adoption**

INCITS/ISO/IEC 18477-1:2024 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification (identical national adoption of ISO/IEC 18477-1:2024 and revision of INCITS/ISO/IEC 18477-1:2020 [2021])

Specifies a coding format, referred to as JPEG XT, which is designed primarily for continuous-tone photographic content. This document defines the core coding system, which forms the basis for the entire ISO/IEC 18477 series.

Single copy price: \$124.00

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#### **National Adoption**

INCITS/ISO/IEC 21122-4:2024 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 21122-4:2024)

Specifies the syntax and an accompanying decompression process that is capable to represent continuous-tone grey-scale, or continuous-tone colour digital images without visual loss at moderate compression rates. Typical compression rates are between 2:1 and 18:1 but can also be higher depending on the nature of the image. In particular, the syntax and the decoding process specified in this document allow lightweight encoder and decoder implementations that limit the end-to-end latency to a fraction of the frame size. However, the definition of transmission channel buffer models necessary to ensure such latency is beyond the scope of this document.

Single copy price: \$278.00

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#### **National Adoption**

INCITS/ISO/IEC 23000-19:2024 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media (identical national adoption of ISO/IEC 23000-19:2024 and revision of INCITS/ISO/IEC 23000-19:2020 [2021])

Specifies the CMAF multimedia format, which contains segmented media objects optimized for streaming delivery and decoding on end-user devices in adaptive multimedia presentations.

Single copy price: \$278.00

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#### ***National Adoption***

INCITS/ISO/IEC 23000-19:2024/AM1:2024 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Low complexity enhancement video coding (LCEVC) and other technologies (identical national adoption of ISO/IEC 23000-19:2024/AM1:2024)

Amendment 1 to ISO/IEC 23000-19:2024.

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#### ***National Adoption***

INCITS/ISO/IEC 23001-11:2023 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) (identical national adoption of ISO/IEC 23001-11:2023 and revision of INCITS/ISO/IEC 23001-11:2019 [2021])

Specifies metadata for energy-efficient decoding, encoding, presentation, and selection of media.

Single copy price: \$278.00

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#### ***National Adoption***

INCITS/ISO/IEC 23001-17:2024 [202x], Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format (identical national adoption of ISO/IEC 23001-17:2024)

Specifies how uncompressed 2D image and video data is carried in files in the family of standards based on the ISO base media file format (ISO/IEC 14496-12). This includes but is not limited to monochromatic data, colour data, transparency (alpha) information and depth information.

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#### **National Adoption**

INCITS/ISO/IEC 23001-11:2023/AM1:2024 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) - Amendment 1: Energy-efficient media consumption (green metadata) for EVC (identical national adoption of ISO/IEC 23001-11:2023/AM1:2024)

Amendment 1 to ISO/IEC 23001-11:2023.

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#### **National Adoption**

INCITS/ISO/IEC 23008-6:2021 [202x], Information technology - High-efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software (identical national adoption of ISO/IEC 23008-6:2021 and revision of INCITS/ISO/IEC 23008-6:2020 [2021])

This document contains simulation software for the MPEG-H 3D audio standard as defined in ISO/IEC 23008-3.

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#### **National Adoption**

INCITS/ISO/IEC 23008-6:2021/AM1:2024 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software - Amendment 1: Corrections for closest loudspeaker playout and increased software resilience (identical national adoption of ISO/IEC 23008-6:2021/AM1:2024)

Amendment 1 to ISO/IEC 23008-6:2021.

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## Comment Deadline: November 26, 2024

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

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

#### **National Adoption**

INCITS/ISO/IEC 23090-3:2024 [202x], Information technology - Coded representation of immersive media - Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2024 and revision of INCITS/ISO/IEC 23090-3:2022 [2023])

Specifies a video coding technology known as versatile video coding (VVC), comprising a video coding technology with a compression capability that is substantially beyond that of the prior generations of such standards and with sufficient versatility for effective use in a broad range of applications.

Single copy price: \$278.00

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

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#### **National Adoption**

INCITS/ISO/IEC 23090-13:2024 [202x], Information technology - Coded representation of immersive media - Part 13: Video decoding interface for immersive media (identical national adoption of ISO/IEC 23090-13:2024)

Specifies the interfaces of a video decoding engine as well as the operations related to elementary streams and metadata that can be performed by this video decoding engine. To support those operations, this document also specifies SEI messages when necessary for certain video codecs.

Single copy price: \$223.00

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

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

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

#### **National Adoption**

INCITS/ISO/IEC 23090-15:2024 [202x], Information technology - Coded representation of immersive media - Part 15: Conformance testing for versatile video coding (identical national adoption of ISO/IEC 23090-15:2024)

Specifies a set of tests and procedures designed to indicate whether encoders or decoders meet the requirements specified in Rec. ITU-T H.266 | ISO/IEC 23090-3.

Single copy price: \$278.00

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

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

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## Comment Deadline: November 26, 2024

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

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#### **National Adoption**

INCITS/ISO/IEC 23090-18:2024 [202x], Information technology - Coded representation of immersive media - Part 18: Carriage of geometry-based point cloud compression data (identical national adoption of ISO/IEC 23090-18:2024)

Specifies a media format that enables the storage and delivery of geometry-based point cloud compression data. The geometry-based point cloud compression data can be timed or non-timed. It supports flexible extraction of geometry-based point cloud compression data at delivery or decoding time.

Single copy price: \$250.00

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

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett <[INCITS-comments@connectedcommunity.org](mailto:INCITS-comments@connectedcommunity.org)>

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

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

#### **National Adoption**

INCITS/ISO/IEC 23090-21:2024 [202x], Information technology - Coded representation of immersive media - Part 21: Reference software for Geometry-based Point Cloud Compression (G-PCC) (identical national adoption of ISO/IEC 23090-21:2024)

Provides accompanying reference software for ISO/IEC 23090-9. The use of this reference software is not required for making an implementation of an encoder or decoder in conformance to ISO/IEC 23090-9.

Requirements established in ISO/IEC 23090-9 take precedence over the behaviour of the reference software.

Single copy price: \$54.00

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

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

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#### **National Adoption**

INCITS/ISO/IEC 23090-6:2021/AM1:2024 [202x], Information technology - Coded representation of immersive media - Part 6: Immersive media metrics - Amendment 1: Immersive media metrics for V3C Data and OMAF (identical national adoption of ISO/IEC 23090-6:2021/AM1:2024)

Amendment 1 to ISO/IEC 23090-6:2021.

Single copy price: \$23.00

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

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett <[INCITS-comments@connectedcommunity.org](mailto:INCITS-comments@connectedcommunity.org)>

## Comment Deadline: November 26, 2024

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

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#### **National Adoption**

INCITS/ISO/IEC 23094-2:2021/AM1:2024 [202x], Information technology - General video coding - Part 2: Low complexity enhancement video coding - Amendment 1: Additional levels (identical national adoption of ISO/IEC 23094-2:2021/AM1:2024)

Amendment 1 to ISO/IEC 23094-2:2021.

Single copy price: \$23.00

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

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

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

#### **National Adoption**

INCITS/ISO/IEC 24787-1:2024 [202x], Information technology - On-card biometric comparison - Part 1: General principles and specifications (identical national adoption of ISO/IEC 24787-1:2024 and revision of INCITS/ISO/IEC 24787:2018 [2020])

Provides requirements and general principles and specifications for a biometric comparison methodology suitable for the on-card environment. This document establishes architectures of biometric comparison using an ICC, on-card biometric comparison, both in sensor-off-card systems and as part of biometric system-on-card, and security policies for on-card biometric comparison.

Single copy price: \$194.00

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

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

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

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

#### **National Adoption**

INCITS/ISO/IEC 24787-2:2024 [202x], Information technology - On-card biometric comparison - Part 2: Work-sharing mechanism (identical national adoption of ISO/IEC 24787-2:2024 and revision of INCITS/ISO/IEC 24787-2:2024 [202x])

Provides requirements for a biometric comparison methodology suitable for the on-card environment. In particular, it establishes the work-sharing on-card biometric comparison techniques that require an intensity exceeding the capabilities of integrated circuit cards (ICCs).

Single copy price: \$54.00

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

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett <[INCITS-comments@connectedcommunity.org](mailto:INCITS-comments@connectedcommunity.org)>

## Comment Deadline: November 26, 2024

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

#### **National Adoption**

INCITS/ISO/IEC 24789-1:2024 [202x], Identification cards - Card service life - Part 1: Application profiles and requirements (identical national adoption of ISO/IEC 24789-1:2024)

Comprises a methodology for determining a test plan to simulate a card's service life. The methodology defines two parameters of card service life: the expected card service life in years and the average number of uses per day. This document and ISO/IEC 24789-2, together along with ISO/IEC 10373-1 describe the evaluation methods to be used and their criteria. This document was originally developed for ID-1 cards conforming to ISO/IEC 7810 but can be useful in whole or in part for other types and form factors.

Single copy price: \$166.00

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

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

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

#### **National Adoption**

INCITS/ISO/IEC 24789-2:2024 [202x], Identification cards - Card service life - Part 2: Methods of evaluation (identical national adoption of ISO/IEC 24789-2:2024)

Provides methods of evaluation for ID-1 identification card service life for the applications provided in ISO/IEC 24789-1. The listed evaluation methods represent available tests, not mandatory tests. The selection of mandatory tests is listed in ISO/IEC 24789-1.

Single copy price: \$223.00

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

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#### **National Adoption**

INCITS/ISO/IEC 7810:2019/AM1:2024 [202x], Identification cards - Physical characteristics - Amendment 1: Additional requirements for integrated circuit cards with contacts (identical national adoption of ISO/IEC 7810:2019/AM1:2024)

Amendment 1 to ISO/IEC 7810:2019.

Single copy price: \$23.00

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

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett <[INCITS-comments@connectedcommunity.org](mailto:INCITS-comments@connectedcommunity.org)>



## Comment Deadline: November 26, 2024

### ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

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

BSR/UL 2252-202x, Standard for Safety for Adapters for Use with Electric Vehicle Couplers (new standard)

The First Edition of the Standard for Adapters for use with Electric Vehicle Couplers is being proposed as an standard and National Standard of Canada.

Single copy price: Free

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

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

### ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [hilal.elmisilmani@ul.org](mailto:hilal.elmisilmani@ul.org), <https://ulse.org/>

#### ***Revision***

BSR/UL 9990-202x, Standard for Safety for Information and Communication Technology (ICT) Power Cables (revision of ANSI/UL 9990-2023)

This Standard covers the power handling capabilities of Information and Communication Technology (ICT) cable assemblies when used for powering or charging Audio/Video, Information, and Communication Technology Equipment applications. This does not include Power Over Ethernet cables that are permanently installed to power equipment installed on the network. The signal transmission performance of the cable assemblies is not within the scope of these requirements.

Single copy price: Free

Order from: <https://www.shopulstandards.com>

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

# Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

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## **AGMA (American Gear Manufacturers Association)**

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

ANSI/AGMA ISO 1328-1-B14 (R2024), Cylindrical gears - ISO system of flank tolerance classification - Part 1: Definitions and allowable values of deviations relevant to flanks of gear teeth (reaffirm a national adoption ANSI/AGMA ISO 1328-1-A14) Final Action Date: 9/18/2024 | *Reaffirmation*

## **ASA (ASC S1) (Acoustical Society of America)**

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

ANSI/ASA S1.40-2006 (R2024), Specifications and Verification Procedures for Sound Calibrators (reaffirmation of ANSI/ASA S1.40-2006 (R2020)) Final Action Date: 9/19/2024 | *Reaffirmation*

## **ASA (ASC S2) (Acoustical Society of America)**

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

ANSI/ASA S2.16-1997 (R2024), Vibratory Noise Measurements and Acceptance Criteria of Shipboard Equipment (reaffirmation of ANSI/ASA S2.16-1997 (R2020)) Final Action Date: 9/19/2024 | *Reaffirmation*

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

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

ANSI/ASME B5.52-2003 (R2024), Power Presses: General Purpose, Single-Point Gap Type (reaffirmation of ANSI/ASME B5.52-2003 (R2019)) Final Action Date: 9/23/2024 | *Reaffirmation*

ANSI/ASME B5.60-2014 (R2024), Workholding Chucks: Jaw-Type Chucks (reaffirmation of ANSI/ASME B5.60-2014 (R2019)) Final Action Date: 9/23/2024 | *Reaffirmation*

ANSI/ASME B5.61-2003 (R2024), Power Presses: General Purpose, Single Action, Straight Side Type (reaffirmation of ANSI/ASME B5.61-2003 (R2019)) Final Action Date: 9/23/2024 | *Reaffirmation*

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

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

ANSI/ASSP A10.1-2024, Pre-Project & Pre-Task Safety and Health Planning (revision and redesignation of ANSI/ASSE A10.1-2011 (R2017)) Final Action Date: 9/19/2024 | *Revision*

## **ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

ANSI/ASTM F3689-2024, Test Method for Performance of Compartmentalized Heated Bin Cabinets (new standard) Final Action Date: 9/17/2024 | *New Standard*

ANSI/ASTM D2564-2020 (R2024), Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems (reaffirmation of ANSI/ASTM D2564-2020) Final Action Date: 9/17/2024 | *Reaffirmation*

ANSI/ASTM D2855-2020 (R2024), Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly(Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets (reaffirmation of ANSI/ASTM D2855-2020) Final Action Date: 9/17/2024 | *Reaffirmation*

**ASTM (ASTM International)**

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | [accreditation@astm.org](mailto:accreditation@astm.org), [www.astm.org](http://www.astm.org)

ANSI/ASTM F2795-2018 (R2024), Test Method for Performance of Self-Contained Soft Serve and Shake Freezers (reaffirmation of ANSI/ASTM F2795-2018) Final Action Date: 9/17/2024 | *Reaffirmation*

ANSI/ASTM F2990-2012 (R2024), Test Method for Commercial Coffee Brewers (reaffirmation of ANSI/ASTM F2990-2012 (R2018)) Final Action Date: 9/17/2024 | *Reaffirmation*

ANSI/ASTM E3149-2024, Guide for Facial Image Comparison Feature List for Morphological Analysis (revision of ANSI/ASTM E3149-2018) Final Action Date: 9/10/2024 | *Revision*

ANSI/ASTM F628-2024, Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core (revision of ANSI/ASTM F628-2023) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F876-2024, Specification for Crosslinked Polyethylene (PEX) Tubing (revision of ANSI/ASTM F876-2024) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F2140-2024, Test Method for Performance of Hot Food Holding Cabinets (revision of ANSI/ASTM F2140-2011 (R2019)) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F2788/F2788M-2024, Specification for Metric and Inch-Sized Crosslinked Polyethylene (PEX) Pipe (revision of ANSI/ASTM F2788/F2788M-2021) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F2861-2024, Test Method for Enhanced Performance of Combination Oven in Various Modes (revision of ANSI/ASTM F2861-2020) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F2968/F2968M-2024, Specification for Crosslinked Polyethylene (PEX) Pipe for Gas Distribution Applications (revision of ANSI/ASTM F2968/F2968M-2021) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F3059-2024, Specification for Fiber-Reinforced Polymer (FRP) Gratings Used in Marine Construction and Shipbuilding (revision of ANSI/ASTM F3059-2018) Final Action Date: 9/15/2024 | *Revision*

ANSI/ASTM F3288/F3288M-2024, Specification for MRS-Rated Metric- and Inch-Sized Crosslinked Polyethylene (PEX) Pressure Pipe (revision of ANSI/ASTM F3288/F3288M-2020) Final Action Date: 9/17/2024 | *Revision*

ANSI/ASTM F3506-2024, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PE-RT/AL/PE-RT) Composite Pressure Pipe Based on Inner Diameter (ID) for Use in Air Conditioning and Refrigeration Line Set Systems (revision of ANSI/ASTM F3506-2021) Final Action Date: 9/17/2024 | *Revision*

**AWWA (American Water Works Association)**

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

ANSI/AWWA C304-2014 (R2024), Design of Prestressed Concrete Cylinder Pipe (reaffirmation of ANSI/AWWA C304-2014 (R2019)) Final Action Date: 9/23/2024 | *Reaffirmation*

ANSI/AWWA G420-2024, Communication and Customer Relations (revision of ANSI/AWWA G420-2017) Final Action Date: 9/23/2024 | *Revision*

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

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

ANSI/CSA B107-2024, Enclosed Hydrogen Equipment - Safety (new standard) Final Action Date: 9/23/2024 | *New Standard*

ANSI/CSA Z21.107-2024, Gas thermal shutoff devices (same as ANSI Z21.107) (new standard) Final Action Date: 9/23/2024 | *New Standard*

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

218 W. Court Street, Rome, NY 13440 | [jkirk@esda.org](mailto:jkirk@esda.org), <https://www.esda.org>

ANSI/EOS ESDA/JEDEC JS-001-2024, ESDA/JEDEC Joint Standard for Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Device Level (revision of ANSI/EOS ESDA/JEDEC JS-001-2023) Final Action Date: 9/17/2024 | *Revision*

**FCI (Fluid Controls Institute)**

1300 Sumner Avenue, Cleveland, OH 44115 | [fci@fluidcontrolsintitute.org](mailto:fci@fluidcontrolsintitute.org), [www.fluidcontrolsintitute.org](http://www.fluidcontrolsintitute.org)

ANSI/FCI 87-1-2024, Classification and Operating Principles of Steam Traps (revision of ANSI/FCI 87-1-2017) Final Action Date: 9/19/2024 | *Revision*

**HPS (ASC N43) (Health Physics Society)**

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | [awride-graney@burkinc.com](mailto:awride-graney@burkinc.com), [www.hps.org](http://www.hps.org)

ANSI N43.7-2018 (R2024), Safe Design & Use of Self Contained Dry Source (reaffirmation of ANSI N43.7-2018) Final Action Date: 9/19/2024 | *Reaffirmation*

**ISANTA (International Staple, Nail and Tool Association)**

8735 W. Higgins Road, Suite 300; c/o Association Management Center, Chicago, IL 60631 | [jhenry@isanta.org](mailto:jhenry@isanta.org)

ANSI/ISANTA SNT-101-2024, Safety Requirements for Portable Compressed-Air-Actuated Fastener Driving Tools (revision of ANSI SNT-101-2015) Final Action Date: 9/19/2024 | *Revision*

**NEMA (ASC C119) (National Electrical Manufacturers Association)**

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

ANSI C119.6-2024, Electric Connectors-Non-Sealed, Multiport Connector Systems Rated 600 Volts or Less for Aluminum and Copper Conductors (revision of ANSI C119.6-2018) Final Action Date: 9/16/2024 | *Revision*

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

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

ANSI C78.377-2024, Standard for Electric Lamps - Specifications for the Chromaticity of Solid-State Lighting Products (revision of ANSI C78.377-2017 (R2022)) Final Action Date: 9/16/2024 | *Revision*

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

1300 17th St N #900,, Arlington, VA 22209 | [Paul.Crampton@nema.org](mailto:Paul.Crampton@nema.org), [www.nema.org](http://www.nema.org)

ANSI Z535.7-2024, Product Safety Information in Electronic Media (new standard) Final Action Date: 9/19/2024 | *New Standard*

**NSF (NSF International)**

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | [ajump@nsf.org](mailto:ajump@nsf.org), [www.nsf.org](http://www.nsf.org)

ANSI/NSF/CAN 61-2024 (i187r1), Drinking Water System Components - Health Effects (revision of ANSI/NSF/CAN 61-2023) Final Action Date: 9/14/2024 | *Revision*

**ULSE (UL Standards & Engagement)**

12 Laboratory Dr, Research Triangle Park, NC 27709 | [theodore.shieff@ul.org](mailto:theodore.shieff@ul.org), <https://ulse.org/>

ANSI/UL 4740-2024, Standard for Safety for Lidar and Lidar Systems Used in Vehicles (new standard) Final Action Date: 9/19/2024 | *New Standard*

**ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [sabrina.khrebto@ul.org](mailto:sabrina.khrebto@ul.org), <https://ulse.org/>

ANSI/UL 147A-2024a, Standard for Safety for Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies (revision of ANSI/UL 147A-2024) Final Action Date: 9/17/2024 | *Revision*

ANSI/UL 268-2024, Standard for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2023) Final Action Date: 9/17/2024 | *Revision*

ANSI/UL 705-2024, Standard for Safety for Power Ventilators (revision of ANSI/UL 705-2022) Final Action Date: 9/16/2024 | *Revision*

ANSI/UL 1023-2024, Standard for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2021) Final Action Date: 9/16/2024 | *Revision*

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

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

ANSI/VITA 46.9-2018 (R2024), PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules Standard (reaffirmation of ANSI/VITA 46.9-2018) Final Action Date: 9/23/2024 | *Reaffirmation*

ANSI/VITA 49.2-2017 (R2024), VITA Radio Transport (VRT) Standard for Electromagnetic Spectrum: Signals and Applications (reaffirmation of ANSI/VITA 49.2-2017) Final Action Date: 9/18/2024 | *Reaffirmation*

ANSI/VITA 42.6-2009 (S2024), XMC 10 Gigabit Ethernet 4-Lane Protocol Layer Standard (stabilized maintenance of ANSI/VITA 42.6-2009 (R2015)) Final Action Date: 9/23/2024 | *Stabilized Maintenance*

ANSI/VITA 46.3-2012 (S2024), Serial RapidIO on VPX Fabric Connector (stabilized maintenance of ANSI/VITA 46.3-2012 (R2018)) Final Action Date: 9/23/2024 | *Stabilized Maintenance*

ANSI/VITA 46.7-2012 (S2024), Ethernet on VPX Fabric Connector (stabilized maintenance of ANSI/VITA 46.7-2012 (R2018)) Final Action Date: 9/23/2024 | *Stabilized Maintenance*

ANSI/VITA 46.10-2009 (S2024), Rear Transition Module for VPX (stabilized maintenance of ANSI/VITA 46.10-2009 (R2015)) Final Action Date: 9/23/2024 | *Stabilized Maintenance*

ANSI/VITA 51.0-2012 (S2024), Reliability Prediction (stabilized maintenance of ANSI/VITA 51.0-2012 (R2018)) Final Action Date: 9/19/2024 | *Stabilized Maintenance*

ANSI/VITA 51.3-2010 (S2024), Qualification and Environmental Stress Screening in Support of Reliability Predictions (stabilized maintenance of ANSI/VITA 51.3-2010 (R2016)) Final Action Date: 9/23/2024 | *Stabilized Maintenance*

# Call for Members (ANS Consensus Bodies)

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

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## ANSI Accredited Standards Developer

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

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

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 interested 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](mailto: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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

## ANSI Accredited Standards Developer

### SCTE (Society of Cable Telecommunications Engineers)

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

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

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

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

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

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

BSR S12.61-202x, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (revision of ANSI/ASA S12.61-2020)

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

BSR/ASABE D606-OCT2020 (R202x), Property and Relationships for Distiller Dried Grains with Solubles (DDGS) (reaffirmation of ANSI/ASABE D606-2020)

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

2950 Niles Road, St. Joseph, MI 49085 | [ingeson@asabe.org](mailto:ingeson@asabe.org), <https://www.asabe.org/>

BSR/ASABE S633-MAY2020 (R202x), Testing Protocol for Landscape Irrigation Soil Moisture-Based Control Technologies (reaffirmation of ANSI/ASABE S633-MAY2020)

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

BSR/ASAE EP545 MAR1995 (R202x), Loads Exerted by Free-Flowing Grain on Shallow Storage Structures (reaffirmation of ANSI/ASAE EP545 MAR1995 (R2019))

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

BSR/ASAE S422.1-2015 (R202x), Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (reaffirmation of ANSI/ASAE S422.1-2015 (R2019))

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

BSR/ASAE S436.2-JUN2020 (R202x), Field Test Procedure for Determining Irrigation Water Distribution Uniformity of Center Pivot and Lateral Move Systems (reaffirmation of ANSI/ASAE S436.2-JUN2020)

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

2950 Niles Road, Saint Joseph, MI 49085 | [walsh@asabe.org](mailto:walsh@asabe.org), <https://www.asabe.org/>

BSR/ASAE S433.1 JAN2019 (R202x), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE S433.1 JAN2019)

**ASCE (American Society of Civil Engineers)**

1801 Alexander Bell Drive, Reston, VA 20190 | [AMyers@asce.org](mailto:AMyers@asce.org), [www.asce.org](http://www.asce.org)

BSR/ASCE/CI 71-202x, Identifying, Quantifying, and Proving Loss of Productivity (revision of ANSI/ASCE/CI 71-2021)

**BHMA (Builders Hardware Manufacturers Association)**

529 14th Street NW, Suite 1280, Washington, DC 20045 | [agambrall@kellencompany.com](mailto:agambrall@kellencompany.com), [www.buildershardware.com](http://www.buildershardware.com)

BSR/BHMA A156.1-202x, Butts and Hinges (revision of ANSI/BHMA A156.1-2021)

**BHMA (Builders Hardware Manufacturers Association)**

529 14th Street NW, Suite 1280, Washington, DC 20045 | [agambrall@kellencompany.com](mailto:agambrall@kellencompany.com), [www.buildershardware.com](http://www.buildershardware.com)

BSR/BHMA A156.26-202x, Standard for Continuous Hinges (revision of ANSI/BHMA A156.26-2021)

**BHMA (Builders Hardware Manufacturers Association)**

529 14th Street NW, Suite 1280, Washington, DC 20045 | [agambrall@kellencompany.com](mailto:agambrall@kellencompany.com), [www.buildershardware.com](http://www.buildershardware.com)

BSR/BHMA A156.45-202x, Standard for Determination of Builders Hardware Energy Consumption (new standard)

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

218 W. Court Street, Rome, NY 13440 | [jkirk@esda.org](mailto:jkirk@esda.org), <https://www.esda.org>

BSR/EOS ESD S13.1-202X, ESD Association Standard for the Protection of Electrostatic Discharge-Susceptible Items - Electrical Soldering/Desoldering Hand Tools (revision of ANSI/ESD S13.1-2015 (R2020))

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

218 W. Court Street, Rome, NY 13440 | [jkirk@esda.org](mailto:jkirk@esda.org), <https://www.esda.org>

BSR/EOS ESD S6.1-202X, ESD Association Standard for the Protection of Electrostatic Discharge-Susceptible Items - Grounding (revision of ANSI/ESD S6.1-2019)

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

218 W. Court Street, Rome, NY 13440 | [jkirk@esda.org](mailto:jkirk@esda.org), <https://www.esda.org>

BSR/EOS ESD SP5.3.3-202X, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Charged Device Model (CDM) Testing - Component Level - Low-Impedance Contact CDM as an Alternative CDM Characterization Method (revision of ANSI/ESD SP5.3.3-2018)

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

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

INCITS/ISO/IEC 15444-4:2024 [202x], Information technology - JPEG 2000 image coding system - Part 4: Conformance testing (identical national adoption of ISO/IEC 15444-4:2024 and revision of INCITS/ISO/IEC 15444-4:2021 [2022])

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

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

INCITS/ISO/IEC 15938-17:2024 [202x], Information technology - Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis (identical national adoption of ISO/IEC 15938-17:2024)

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

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

INCITS/ISO/IEC 18013-4:2019/AM1:2024 [202x], Personal identification - ISO-compliant driving licence - Part 4: Test methods - Amendment 1: Test methods for compact encoding (identical national adoption of ISO/IEC 18013-4:2019/AM1:2024)



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

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

INCITS/ISO/IEC 18181-1:2024 [202x], Information technology - JPEG XL image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 18181-1:2024)

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

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

INCITS/ISO/IEC 18181-2:2024 [202x], Information technology - JPEG XL image coding system - Part 2: File format (identical national adoption of ISO/IEC 18181-2:2024)

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

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

INCITS/ISO/IEC 18477-1:2024 [202x], Information technology - Scalable compression and coding of continuous-tone still images - Part 1: Core coding system specification (identical national adoption of ISO/IEC 18477-1:2024 and revision of INCITS/ISO/IEC 18477-1:2020 [2021])

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

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

INCITS/ISO/IEC 21122-4:2024 [202x], Information technology - JPEG XS low-latency lightweight image coding system - Part 1: Core coding system (identical national adoption of ISO/IEC 21122-4:2024)

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

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

INCITS/ISO/IEC 23000-19:2024 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media (identical national adoption of ISO/IEC 23000-19:2024 and revision of INCITS/ISO/IEC 23000-19:2020 [2021])

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

INCITS/ISO/IEC 23000-19:2024/AM1:2024 [202x], Information technology - Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media - Amendment 1: Low complexity enhancement video coding (LCEVC) and other technologies (identical national adoption of ISO/IEC 23000-19:2024/AM1:2024)

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

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

INCITS/ISO/IEC 23001-11:2023 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) (identical national adoption of ISO/IEC 23001-11:2023 and revision of INCITS/ISO/IEC 23001-11:2019 [2021])

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

INCITS/ISO/IEC 23001-17:2024 [202x], Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format (identical national adoption of ISO/IEC 23001-17:2024)

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

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

INCITS/ISO/IEC 23001-11:2023/AM1:2024 [202x], Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata) - Amendment 1: Energy-efficient media consumption (green metadata) for EVC (identical national adoption of ISO/IEC 23001-11:2023/AM1:2024)

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

INCITS/ISO/IEC 23008-6:2021 [202x], Information technology - High-efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software (identical national adoption of ISO/IEC 23008-6:2021 and revision of INCITS/ISO/IEC 23008-6:2020 [2021])

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

INCITS/ISO/IEC 23008-6:2021/AM1:2024 [202x], Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 6: 3D audio reference software - Amendment 1: Corrections for closest loudspeaker layout and increased software resilience (identical national adoption of ISO/IEC 23008-6:2021/AM1:2024)

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

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

INCITS/ISO/IEC 23090-3:2024 [202x], Information technology - Coded representation of immersive media - Part 3: Versatile video coding (identical national adoption of ISO/IEC 23090-3:2024 and revision of INCITS/ISO/IEC 23090-3:2022 [2023])

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

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

INCITS/ISO/IEC 23090-13:2024 [202x], Information technology - Coded representation of immersive media - Part 13: Video decoding interface for immersive media (identical national adoption of ISO/IEC 23090-13:2024)

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

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

INCITS/ISO/IEC 23090-15:2024 [202x], Information technology - Coded representation of immersive media - Part 15: Conformance testing for versatile video coding (identical national adoption of ISO/IEC 23090-15:2024)

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INCITS/ISO/IEC 23090-18:2024 [202x], Information technology - Coded representation of immersive media - Part 18: Carriage of geometry-based point cloud compression data (identical national adoption of ISO/IEC 23090-18:2024)

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

INCITS/ISO/IEC 23090-21:2024 [202x], Information technology - Coded representation of immersive media - Part 21: Reference software for Geometry-based Point Cloud Compression (G-PCC) (identical national adoption of ISO/IEC 23090-21:2024)

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

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

INCITS/ISO/IEC 23090-6:2021/AM1:2024 [202x], Information technology - Coded representation of immersive media - Part 6: Immersive media metrics - Amendment 1: Immersive media metrics for V3C Data and OMAF (identical national adoption of ISO/IEC 23090-6:2021/AM1:2024)

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

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

INCITS/ISO/IEC 23094-2:2021/AM1:2024 [202x], Information technology - General video coding - Part 2: Low complexity enhancement video coding - Amendment 1: Additional levels (identical national adoption of ISO/IEC 23094-2:2021/AM1:2024)

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

INCITS/ISO/IEC 24787-1:2024 [202x], Information technology - On-card biometric comparison - Part 1: General principles and specifications (identical national adoption of ISO/IEC 24787-1:2024 and revision of INCITS/ISO/IEC 24787:2018 [2020])

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

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

INCITS/ISO/IEC 24787-2:2024 [202x], Information technology - On-card biometric comparison - Part 2: Work-sharing mechanism (identical national adoption of ISO/IEC 24787-2:2024 and revision of INCITS/ISO/IEC 24787-2:2024 [202x])

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

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

INCITS/ISO/IEC 24789-1:2024 [202x], Identification cards - Card service life - Part 1: Application profiles and requirements (identical national adoption of ISO/IEC 24789-1:2024)

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

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

INCITS/ISO/IEC 24789-2:2024 [202x], Identification cards - Card service life - Part 2: Methods of evaluation (identical national adoption of ISO/IEC 24789-2:2024)

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

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

INCITS/ISO/IEC 7810:2019/AM1:2024 [202x], Identification cards - Physical characteristics - Amendment 1: Additional requirements for integrated circuit cards with contacts (identical national adoption of ISO/IEC 7810:2019/AM1:2024)

**NEMA (National Electrical Manufacturers Association)**

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

BSR/NEMA MG 60034-31-202x, Efficiency Application Guidelines for the Selection of Motors Including Variable Speed Applications (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-33-B-202x, FOTP-33 Optical Fiber Cable Tensile Loading and Bending Test (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-41-A-202x, FOTP-41 Compressive Loading Resistance of Optical Fiber Cables (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-85-A-202x, FOTP-85 Fiber Optic Cable Twist Test (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-87-B-202x, FOTP-87 Fiber Optic Cable Knot Test (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-88-202x, FOTP-88 Fiber Optic Cable Bend Test (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-89-B-202x, FOTP-89 Optical Fiber Cable Jacket Elongation and Tensile Strength (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-91-202x, FOTP-91 Fiber Optic Cable Twist-Bend Test (new standard)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-204-B-202x, FOTP-204, Adoption of IEC 60793-1-41:2024, Optical Fibres - Part 1:41 Measurement methods and test procedures - Bandwidth (identical national adoption of IEC 60793-1-41)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-62-C-2020 (R202x), IEC 60793-147: Optical Fibres - Part 147: Measurement Methods and Test Procedures - Macrobending Loss (reaffirm a national adoption ANSI/TIA 455-62-C-2020)

**TIA (Telecommunications Industry Association)**

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

BSR/TIA 455-67-B-2020 (R202x), IEC 60793-151: Optical Fibres - Part 151: Measurement Methods and Test Procedures (Dry Heat) (reaffirm a national adoption ANSI/TIA 455-67-B-2020)

**TIA (Telecommunications Industry Association)**

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BSR/TIA 455-74-B-2020 (R202x), IEC 60793-1-53: Optical Fibres - Part 1-53: Measurement Methods and Test Procedures - Water Immersion (reaffirm a national adoption ANSI/TIA 455-74-B-2020)

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BSR/TIA 455-78-C-2020 (R202x), IEC 60793-1-40: Optical Fibres - Part 1-40: Measurement Methods and Test Procedures - Attenuation (reaffirm a national adoption ANSI/TIA 455-78-C-2020)

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BSR/TIA 455-80-D-2020 (R202x), FOTP-80: IEC 60793-1-44: Measurement Methods and Test Procedures - Cut-off Wavelength (reaffirm a national adoption ANSI/TIA 455-80-D-2020)

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BSR/TIA 455-82-C-2020 (R202x), FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (reaffirmation of ANSI/TIA 455-82-C-2020)

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BSR/TIA 455-95-B-2019 (R202x), Absolute Optical Power Test for Optical Fibers and Cables (reaffirmation of ANSI/TIA 455-95-B-2019)

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BSR/TIA 455-122-C-2020 (R202x), IEC 60793-1-48: Measurement Methods and Test Procedures-Polarization Mode Dispersion (reaffirm a national adoption ANSI/TIA 455-122-C-2020)

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BSR/TIA 455-175-C-2020 (R202x), IEC 60793-1-42: Optical Fibres - Part 1-42: Measurement Methods and Test Procedures - Chromatic Dispersion (reaffirm a national adoption ANSI/TIA 455-175-C-2020)

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BSR/TIA 455-176-B-2020 (R202x), IEC 60793-1-20: Optical Fibres - Part 1-20: Measurement Methods and Test Procedures - Fibre Geometry (reaffirm a national adoption ANSI/TIA 455-176-B-2020)

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BSR/TIA 455-177-C-2020 (R202x), IEC 60793-1-43: Optical Fibres - Part 1-43: Measurement Methods and Test Procedures - Numerical Aperture (reaffirm a national adoption ANSI/TIA 455-177-C-2020)

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BSR/TIA 455-178-C-2021 (R202x), IEC 60793-1-32: Optical Fibres - Part 1-32: Measurement Methods and Test Procedures - Coating Strippability (reaffirm a national adoption ANSI/TIA 455-178-C-2021)

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BSR/TIA 455-191-C-2020 (R202x), Adoption of IEC-60793-1-45: Optical Fibres - Part 1-45: Measurement Methods and Test Procedures - Mode Field Diameter (reaffirm a national adoption ANSI/TIA 455-191-C-2020)

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BSR/TIA 455-244-A-2020 (R202x), Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (reaffirmation of ANSI/TIA 455-244-A-2020)

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BSR/TIA 568.7-202x, Balanced single twisted-pair cabling and components standard for industrial premises (new standard)

**TIA (Telecommunications Industry Association)**

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BSR/TIA 758-C-202x, Customer-Owned Outside Plant Telecommunications Infrastructure Standard (new standard)

**ULSE (UL Standards & Engagement)**

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | [hilal.elmisilmani@ul.org](mailto:hilal.elmisilmani@ul.org), <https://ulse.org/>

BSR/UL 6A-2019 (R202x), Standard for Safety for Electrical Rigid Metal Conduit - Aluminum, Red Brass, and Stainless Steel (reaffirmation of ANSI/UL 6A-2019)

**ULSE (UL Standards & Engagement)**

47173 Benicia Street, Fremont, CA 94538 | [Linda.L.Phinney@ul.org](mailto:Linda.L.Phinney@ul.org), <https://ulse.org/>

BSR/UL 758-202X, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2024)

# American National Standards (ANS) Announcements

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## Corrections

**CSA - CSA America Standards Inc.**

**BSR/CSA Z21.107-202x**

The 9/6/2024 Call for Comment notice concerning BSR/CSA Z21.107-202x was published in error.

Please direct inquiries to: Debbie Chesnik <[ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)>



# American National Standards (ANS) Process

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

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

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

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

# Meeting Notices (Standards Developers)

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## ANSI Accredited Standards Developer

### ASSP (Safety) - American Society of Safety Professionals

Meeting Dates: October 29-31, 2024

The American Society of Safety Professionals (ASSP) is the secretariat for the ASSP Z359 Committee for Fall Protection. The next Z359 meeting will take place in person on October 29-31, 2024. Those interested in participating can contact ASSP for additional information at [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.org).

## ANSI Accredited Standards Developer

### CSA - CSA America Standards Inc.

Meeting Date: October 22, 2024

The **CSA Group Hydrogen Transportation Technical Committee** is scheduled to meet in person during U.S. Committee Week, See details below. This will be a hybrid meeting. If you would like to attend please contact Mark Duda at [mark.duda@csagroup.org](mailto:mark.duda@csagroup.org).

Meeting Date: October 22, 2024

Time: 8:30 AM – 4:30 PM ET

Location: Philadelphia Marriott Old City, Philadelphia, PA and by WebEx.

Contact: Mark Duda at [mark.duda@csagroup.org](mailto:mark.duda@csagroup.org).

# American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)  
 AARST (American Association of Radon Scientists and Technologists)  
 AGA (American Gas Association)  
 AGSC (Auto Glass Safety Council)  
 ASC X9 (Accredited Standards Committee X9, Incorporated)  
 ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)  
 ASME (American Society of Mechanical Engineers)  
 ASTM (ASTM International)  
 GBI (Green Building Initiative)  
 HL7 (Health Level Seven)  
 Home Innovation (Home Innovation Research Labs)  
 IES (Illuminating Engineering Society)  
 ITI (InterNational Committee for Information Technology Standards)  
 MHI (Material Handling Industry)  
 NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)  
 NCPDP (National Council for Prescription Drug Programs)  
 NEMA (National Electrical Manufacturers Association)  
 NFRC (National Fenestration Rating Council)  
 NISO (National Information Standards Organization)  
 NSF (NSF International)  
 PHTA (Pool and Hot Tub Alliance)  
 PRCA (Professional Ropes Course Association)  
 RESNET (Residential Energy Services Network, Inc.)  
 SAE (SAE International)  
 TCNA (Tile Council of North America)  
 TIA (Telecommunications Industry Association)  
 TMA (The Monitoring Association)  
 ULSE (UL Standards & Engagement)

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

# ANSI-Accredited Standards Developers (ASD) Contacts

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

## **AAFS**

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

Teresa Ambrosius  
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## **AGMA**

American Gear Manufacturers Association  
1001 N. Fairfax Street, Suite 500  
Alexandria, VA 22314  
[www.agma.org](http://www.agma.org)

Todd Praneis  
[praneis@agma.org](mailto:praneis@agma.org)

## **ASA (ASC S1)**

Acoustical Society of America  
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Melville, NY 11747  
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Raegan Ripley  
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## **ASA (ASC S12)**

Acoustical Society of America  
1305 Walt Whitman Road, Suite 300  
Melville, NY 11747  
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## **ASA (ASC S2)**

Acoustical Society of America  
1305 Walt Whitman Road, Suite 300  
Melville, NY 11747  
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Raegan Ripley  
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## **ASABE**

American Society of Agricultural and  
Biological Engineers  
2950 Niles Road  
Saint Joseph, MI 49085  
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## **ASABE**

American Society of Agricultural and  
Biological Engineers  
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## **ASCE**

American Society of Civil Engineers  
1801 Alexander Bell Drive  
Reston, VA 20190  
[www.asce.org](http://www.asce.org)

Amanda Myers  
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## **ASHRAE**

American Society of Heating, Refrigerating  
and Air-Conditioning Engineers, Inc.  
180 Technology Parkway  
Peachtree Corners, GA 30092  
[www.ashrae.org](http://www.ashrae.org)

Thomas Loxley  
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## **ASME**

American Society of Mechanical Engineers  
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[www.asme.org](http://www.asme.org)

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## **ASME**

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## **ASSP (Safety)**

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## **ASTM**

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## **AWWA**

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## **BHMA**

Builders Hardware Manufacturers  
Association  
529 14th Street NW, Suite 1280  
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## **CSA**

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## **CTA**

Consumer Technology Association  
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**FM**

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**HPS (ASC N13)**

Health Physics Society  
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**IICRC**

The Institute of Inspection, Cleaning and  
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**ISANTA**

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**ITI (INCITS)**

InterNational Committee for Information  
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**NEMA**

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**PHTA**

Pool and Hot Tub Alliance  
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www.PHTA.org

Genevieve Lynn  
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**SPRI**

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# ISO & IEC Draft International Standards



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

## COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

Those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices ([tzertuche@ansi.org](mailto:tzertuche@ansi.org)). The final date for offering comments is listed after each draft.

## ORDERING INSTRUCTIONS

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

## ISO Standards

### Agricultural food products (TC 34)

ISO/DIS 23719, Cereals and cereal products - Determination of 17 mycotoxins by ultra high performance liquid chromatography and tandem mass spectrometry method (UHPLC-MS/MS) - 12/7/2024, \$82.00

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

ISO/DIS 9564-2, Financial services - Personal Identification Number (PIN) management and security - Part 2: Approved algorithms for PIN encipherment - 12/12/2024, \$62.00

### Chemistry (TC 47)

ISO/DIS 16294, Basic chemical products - Basic chemicals resulting from chemical recycling - General principles - 12/12/2024, \$40.00

### Environmental management (TC 207)

ISO/DIS 14019-4, Sustainability information - Part 4: Principles and requirements for bodies validating and verifying sustainability information - 12/9/2024, \$71.00

### Essential oils (TC 54)

ISO/DIS 24609, Essential oil of carrot seed (*Daucus carota* L.) - 12/5/2024, \$40.00

### Fluid power systems (TC 131)

ISO/DIS 18582-3, Fluid power - Specification of reference dictionary - Part 3: Definitions of classes and properties of hydraulics - 12/6/2024, \$33.00

### Mechanical vibration and shock (TC 108)

ISO/DIS 13379-1, Condition monitoring and diagnostics of machines - Data interpretation and diagnostics techniques - Part 1: General guidelines - 12/8/2024, \$102.00

### Petroleum products and lubricants (TC 28)

ISO/DIS 23505, Petroleum and liquid petroleum products - Calibration of spherical tanks - External electro-optical distance-ranging method - 12/5/2024, \$82.00

### Photography (TC 42)

ISO/DIS 21496-1, Digital Photography - Gain map metadata for image conversion - Part 1: Dynamic Range Conversion - 12/5/2024, \$67.00

### Plastics (TC 61)

ISO/DIS 294-5, Plastics - Injection moulding of test specimens of thermoplastic materials - Part 5: Preparation of standard specimens for investigating anisotropy - 12/5/2024, \$46.00

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

ISO/DIS 18488, Polyethylene (PE) materials for piping systems - Determination of Strain Hardening Modulus in relation to slow crack growth - Test method - 12/7/2024, \$58.00

### Prosthetics and orthotics (TC 168)

ISO/DIS 8549-4, Prosthetics and orthotics - Vocabulary - Part 4: Terms relating to limb amputation - 12/6/2024, \$40.00

### Railway applications (TC 269)

ISO/DIS 20138-1, Railway applications - Calculation of braking performance (stopping, slowing and stationary braking) - Part 1: General algorithms utilizing mean value calculation - 12/7/2024, \$146.00

### Refractories (TC 33)

ISO/DIS 2478, Dense shaped refractory products - Determination of permanent change in dimensions on heating - 12/8/2024, \$53.00

ISO/DIS 5017, Dense shaped refractory products - Determination of bulk density, apparent porosity and true porosity - 12/9/2024, \$58.00

### Road vehicles (TC 22)

ISO/DIS 5101, Road vehicles - Field load specification for brake actuation and modulation systems - 12/5/2024, \$146.00

### Service activities relating to drinking water supply systems and wastewater systems - Quality criteria of the service and performance indicators (TC 224)

ISO/DIS 18671, Test methodologies for assessing products suitable to be flushed down a toilet and appropriate labelling - 12/6/2024, \$88.00

### Steel (TC 17)

ISO/DIS 16650, Bead wire - 12/6/2024, \$62.00

### Surface chemical analysis (TC 201)

ISO/DIS 11505, Surface chemical analysis - General procedures for quantitative compositional depth profiling by glow discharge optical emission spectrometry - 12/8/2024, \$102.00

### (TC 333)

ISO/DIS 7819, Lithium - Vocabulary - 12/9/2024, \$71.00

### Tobacco and tobacco products (TC 126)

ISO/DIS 15592-3, Fine-cut tobacco and smoking articles made from it - Methods of sampling, conditioning and analysis - Part 3: Determination of total particulate matter of smoking articles using a routine analytical smoking machine, preparation for the determination of water and nicotine, and calculation of nicotine-free dry particulate matter - 12/6/2024, \$71.00

### Transport information and control systems (TC 204)

ISO/DIS 13140, Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 - 12/6/2024, \$107.00

### Tyres, rims and valves (TC 31)

ISO/DIS 10454, Truck and bus tyres - Verifying tyre capabilities - Laboratory test methods - 12/6/2024, \$58.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 23090-2:2023/DAmD 1, - Amendment 1: Information technology - Coded representation of immersive media - Part 2: Omnidirectional media format - Amendment 1: Server-side dynamic adaptation - 12/6/2024, \$53.00

ISO/IEC DIS 23955, Information technology - 3D Printing and Scanning - Technical requirements for product data protection of Additive Manufacturing Service Platform (AMSP) - 12/12/2024, \$53.00

ISO/IEC DIS 25422, Information technology - 3D Manufacturing Format (3MF) specification suite - 12/5/2024, \$40.00

ISO/IEC DIS 19757-3, Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation using Schematron - 12/6/2024, \$125.00

## IEC Standards

### All-or-nothing electrical relays (TC 94)

94/1063(F)/CDV, IEC 63522-54 ED1: Electrical relays - Tests and Measurements - Part 54: Critical DC load current test, 12/06/2024

### Dependability (TC 56)

56/2059(F)/FDIS, IEC 60300-3-10 ED2: Dependability management - Part 3-10: Application guide - Maintainability and maintenance, 10/04/2024

### Documentation and graphical symbols (TC 3)

3/1683/NP, PNW 3-1683 ED1: Digital Interactive Fault Diagnosis Manual, 12/13/2024

### Electrical accessories (TC 23)

23B/1533/FDIS, IEC 60670-1 ED3: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements, 11/01/2024

23B/1534/FDIS, IEC 60670-21 ED2: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means, 11/01/2024

23B/1535/FDIS, IEC 60670-22 ED2: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures, 11/01/2024

23B/1536/FDIS, IEC 60670-24 ED3: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 24: Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment, 11/01/2024

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

31/1831/CD, IEC 60079-46 ED1: Explosive atmospheres - Part 46: Equipment assemblies, 01/10/2025

### Electrical equipment in medical practice (TC 62)

62A/1612/CD, IEC TS 62366-2 ED1: Medical devices - Part 2: Guidance on the application of usability engineering to medical devices, 12/13/2024



62D/2165/CDV, ISO 80601-2-67 ED3: Medical electrical equipment - Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment, 12/13/2024

62D/2166/CDV, ISO 80601-2-69 ED3: Medical electrical equipment - Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment, 12/13/2024

62D/2175/NP, PNW 62D-2175 ED1: Non-invasive sphygmomanometers – Part 7: Part 7: Clinical performance verification of intermittent or repeated intermittent cuffless measurement type, 12/13/2024

### **Electromagnetic compatibility (TC 77)**

77A/1228/CD, IEC 61000-4-34/AMD2 ED1: Amendment 2 - Electromagnetic compatibility (EMC) - Part 4-34: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase, 11/15/2024

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

48B/3117/CDV, IEC 61076-2-111 ED2: Connectors for electrical and electronic equipment - Product requirements - Part 2-111: Circular connectors - Detail specification for power connectors with M12 screw-locking, 12/13/2024

### **Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)**

112/655/CDV, IEC 60216-1 ED7: Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results, 12/13/2024

### **Fibre optics (TC 86)**

86A/2496/CD, IEC 60794-1-103 ED1: Optical fibre cables - Part 1-103: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Crush, Method E3, 11/15/2024

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

110/1698/FDIS, IEC 62595-1-2 ED3: Display lighting unit - Part 1-2: Terminology and letter symbols, 11/01/2024

### **High-voltage testing techniques (TC 42)**

42/444(F)/FDIS, IEC 60060-1 ED4: High-voltage test techniques - Part 1: General terminology and test requirements, 10/04/2024

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

34D/1747/CD, IEC 60570 ED5: Electrical supply track systems for luminaires, 12/13/2024

34D/1748/CD, IEC 60598-2-13 ED2: Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires, 12/13/2024

### **Magnetic components and ferrite materials (TC 51)**

51/1516/CDV, IEC 63093-15 ED1: Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 15: U-cores, 12/13/2024

51/1517/CDV, IEC 63182-6 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 6: EQ - cores, 12/13/2024

51/1518/CDV, IEC 63182-7 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 7: EER - cores, 12/13/2024

51/1519/CDV, IEC 63182-8 ED1: Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 8: U-cores, 12/13/2024

### **Performance of household electrical appliances (TC 59)**

59K/402/CD, IEC 63350 ED1: Household electric appliances - Specification of the properties of a digital system for measuring the performance, 11/15/2024

### **Safety of household and similar electrical appliances (TC 61)**

61/7297(F)/FDIS, IEC 60335-2-74/AMD1 ED3: Amendment 1 - Household and similar electrical appliances - Safety - Part 2-74: Particular requirements for portable immersion heaters, 10/18/2024

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

8/1721/CD, IEC TR 62786-100 Distributed energy resources connection with the grid - Part 100 Generating units grid connection standard mapping, 11/15/2024

### **Surface mounting technology (TC 91)**

91/1982/FDIS, IEC 61188-6-3 ED1: Circuit boards and circuit board assemblies - Design and use - Part 6-3: Land pattern design - Description of land pattern for through hole components (THT), 11/01/2024

91/1983/FDIS, IEC 61189-2-809 ED1: Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-809: X/Y coefficient of thermal expansion (CTE) test for thick base materials by TMA, 11/01/2024

### **(CIS)**

CIS/H/507/CDV, IEC 61000-6-3/AMD1/FRAG3 ED3: Amendment 1/Fragment 3: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments - Radiated Magnetic Emissions Requirements below 30 MHz, 12/13/2024

SyCCOMM/87/CD, IEC SRD 63433 ED1: Communication  
Standards Mapping, 12/13/2024

JTC3/47/NP, PNW JTC3-47 ED1: Quantum Photonics Vocabulary,  
12/13/2024

**Wearable electronic devices and technologies (TC 124)**

124/290/FDIS, IEC 63203-201-4 ED1: Wearable electronic  
devices and technologies - Part 201-4: Electronic textile - Test  
method for determining sheet resistance of conductive fabrics  
after abrasion, 11/01/2024

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

**(JTC1)**

JTC1-SC41/461/NP, PNW JTC1-SC41-461 ED1: Internet of Things  
(IoT) - IoT applications using context aware collaboration  
service, 12/13/2024



# Newly Published ISO & IEC Standards

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

## ISO Standards

### Agricultural food products (TC 34)

[ISO 712-1:2024](#), Cereals and cereal products - Determination of moisture content - Part 1: Reference method, \$124.00

### Air quality (TC 146)

[ISO 12141:2024](#), Stationary source emissions - Determination of low range mass concentration of dust - Manual gravimetric method, \$250.00

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

[ISO 16521:2024](#), Design of concrete-filled steel tubular (CFST) hybrid structures, \$278.00

### Freight containers (TC 104)

[ISO 830:2024](#), Freight containers - Vocabulary, \$166.00

### Industrial automation systems and integration (TC 184)

[ISO 20140-5:2024](#), Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 5: Environmental performance evaluation data, \$278.00

### Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)

[ISO 10426-5:2024](#), Oil and gas industries including lower carbon energy - Cements and materials for well cementing - Part 5: Determination of shrinkage and expansion of well cement formulations, \$166.00

### Nuclear energy (TC 85)

[ISO 8690:2024](#), Measurement of radioactivity - Gamma ray and beta emitting radionuclides - Test method to assess the ease of decontamination of surface materials, \$194.00

### Petroleum products and lubricants (TC 28)

[ISO 4266-5:2024](#), Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 5: Measurement of temperature in marine vessels, \$81.00

### Plastics (TC 61)

[ISO 11671:2024](#), Fibre reinforced plastics - Telescopic ladder - Requirements and test methods, \$194.00

### Ships and marine technology (TC 8)

[ISO 6325:2024](#), Ships and marine technology - Cable stoppers, \$81.00

### Soil quality (TC 190)

[ISO 24212:2024](#), Remediation techniques applied at contaminated sites, \$278.00

### Sports and recreational equipment (TC 83)

[ISO 20957-2:2024](#), Stationary training equipment - Part 2: Strength training equipment - Additional specific safety requirements and test methods, \$124.00

[ISO 20957-7:2024](#), Stationary training equipment - Part 7: Rowing equipment - Additional specific safety requirements and test methods, \$81.00

### Steel (TC 17)

[ISO 17650:2024](#), Low-alloyed steel - Determination of Mn, P, Cr, Ni, Mo, Co, Cu, V, Ti, As and Sn - Inductively coupled plasma optical emission spectrometric method, \$223.00

### Surface chemical analysis (TC 201)

[ISO 20579-1:2024](#), Surface chemical analysis - Sample handling, preparation and mounting - Part 1: Documenting and reporting the handling of specimens prior to analysis, \$124.00

### Thermal insulation (TC 163)

[ISO 7615-1:2024](#), Energy performance of building systems - Underfloor air distribution systems - Part 1: General overview, \$194.00

### Welding and allied processes (TC 44)

[ISO 14344:2024](#), Welding consumables - Procurement of filler materials and fluxes, \$81.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 4944:2024](#), Information technology - User interfaces - Evaluating usability of natural user interfaces, \$124.00

[ISO/IEC 19369:2024](#), Information technology - Telecommunications and information exchange between systems - NFCIP-2 test methods, \$54.00

[ISO/IEC 11581-7:2024](#), Information technology - User interface icons - Part 7: Icons for setting interaction modes, \$166.00

## IEC Standards

### **Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)**

[IEC 61196-1-113 Ed. 3.0 en:2024](#), Coaxial communication cables - Part 1-113: Electrical test methods - Test for attenuation constant, \$103.00

### **Hydraulic turbines (TC 4)**

[IEC 60308 Ed. 3.0 b:2024](#), Hydraulic turbines - Testing of governing systems, \$444.00

### **Performance of household electrical appliances (TC 59)**

[IEC 60704-2-15 Ed. 1.0 en:2024 EXV](#), Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-15: Particular requirements for household food waste disposers, \$515.00

[IEC 60704-2-15 Ed. 1.0 en:2024](#), Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-15: Particular requirements for household food waste disposers, \$148.00

## IEC Technical Specifications

### **Switchgear and controlgear (TC 17)**

[IEC/TS 62271-319 Ed. 1.0 en:2024](#), High-voltage switchgear and controlgear - Part 319: Alternating current circuit-breakers intended for controlled switching, \$444.00

# International Electrotechnical Commission (IEC)

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## USNC TAG Administrator - Organization Needed

### Response Deadline: November 1, 2024

As the current Technical Advisor for TC 113 TAG will be stepping down at the end of this year, the USNC is looking for a new Technical Advisor (s) to take on this USNC TAG Technical Advisory role beginning January 1, 2025.

**If individuals are interested in the position of USNC TAG Technical Advisor for the USNC TAG to IEC/TC 113, they are invited to contact Betty Barro at [bbarro@ansi.org](mailto:bbarro@ansi.org) by November 1<sup>st</sup>, 2024.**

Please see the scope for the IEC/ TC 113 below:  
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**Scope: TC 113 - Nanotechnology for electrotechnical products and systems**

*Standardization of the technologies relevant to electrotechnical products and systems in the field of nanotechnology in close cooperation with other committees of IEC and ISO*

# International Organization for Standardization (ISO)

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## Call for comment on ISO/IEC Guide 59:2019

### Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 59:2019 – “ISO and IEC recommended practices for standardization by national bodies”, which has the following scope statement:

*This document provides recommended standardization practices that are intended to support the application of the following:*

- *the WTO TBT Committee decision on principles for the development of international standards, guides and recommendations (G/TBT/9, 13 November 2000);*
- *the WTO TBT Agreement’s Code of Good Practice for the Preparation, Adoption and Application of Standards (Annex 3 of the 1995 WTO TBT Agreement).*

*This document is intended to be used by the national members of ISO and IEC, hereafter referred to as national bodies.*

ANSI, is seeking U.S. Stakeholders’ input on ISO/IEC Guide 59:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 59:2019 can request a copy by contacting ANSI’s ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on **Friday, October 18, 2024**.

## Call for comment on ISO/IEC Guide 63:2019

### Comment Deadline: October 18, 2024

ISO has initiated a systematic review of ISO/IEC Guide 63:2019 – “Guide to the development and inclusion of aspects of safety in International Standards for medical devices”, which has the following scope statement:

*This document provides requirements and recommendations to writers of medical device standards on the inclusion of aspects related to safety in International Standards, based on well-established risk management concepts and methodology.*

*This document is applicable to any aspect related to the safety of people, property, the environment, or a combination of these.*

*In this document, the term “product” includes a medical device or a system consisting of one or more medical devices, possibly combined with non-medical devices.*

ANSI, is seeking U.S. Stakeholders’ input on ISO/IEC Guide 63:2019 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO/IEC Guide 63:2019 can request a copy by contacting ANSI’s ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on **Friday, October 18, 2024**.

## International Organization for Standardization (ISO)

### Call for U.S. TAG Administrator

#### ISO/TC 218 – Timber

**Response Deadline: October 4, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 218 – *Timber* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Ukraine (SE UkrNDNC).

ISO/TC 218 operates under the following scope:

*Standardization of round, sawn and processed timber, and timber materials in and for use in all applications, including terminology, specifications and test methods. Excluded: those applications of timber as covered by ISO/ TC 165 "Timber structures".*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

### Call for U.S. TAG Administrator

#### ISO/TC 266 – Biomimetics

**Response Deadline: October 4, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 266 – *Biomimetics* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by China (SAC).

ISO/TC 266 operates under the following scope:

*Standardization in the field of biomimetics that includes but is not limited to methods and technologies in biomimetics such as biomimetic materials, processes and products, incorporating the most recent results of R&D projects. Classification, definition and development of terminology in the field of biomimetics. Description of the potentials and limitations of biomimetics as an innovation system or a sustainability strategy. Description and standardization of methods in biomimetics, biomimetic materials, processes and products throughout their entire lifecycle.*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

# International Organization for Standardization (ISO)

## Call for U.S. TAG Administrator

### ISO/TC 297 – Waste collection and transportation management

**Response Deadline: October 4, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 297 – *Waste collection and transportation management* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Germany (DIN).

ISO/TC 297 operates under the following scope:

*Standardization of machines, equipment and management systems for collection, temporary storage and transportation of solid and sanitary liquid waste and recyclables (valuables).*

*Taking into particular account:*

- *Terminology;*
- *Technology;*
- *Performance;*
- *Quality;*
- *Environmental aspects;*
- *Safety and ergonomic aspects;*
- *Maintenance;*
- *Logistical aspects;*
- *Data management and*
- *Service procedures.*

*Excluded are:*

- *Urban wastewater systems*
- *Sludge recovery, treatment and disposal and also water re-use as far as they are covered by ISO/TC 275 and ISO/TC 282*
- *General environmental management (e.g. ISO 14000) and road traffic safety management systems aspects (e.g. ISO 39001) are covered by ISO/TC 207 and ISO/TC 241*
- *Road maintenance equipment are covered by ISO/TC 195/SC 2*
- *Road vehicles are covered by ISO/TC 22.*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).



## International Organization for Standardization (ISO)

### Call for U.S. TAG Administrator

#### ISO/TC 87 – Cork

**Response Deadline: October 4, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 87 – *Cork* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Portugal (IPQ).

ISO/TC 87 operates under the following scope:

*Standardization in the field of cork, both the raw material and products manufactured and prepared from cork.*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

### Call for U.S. TAG Administrator

#### ISO/TC 228 – Tourism and related services

**Response Deadline: October 4, 2024**

There is currently no ANSI-accredited U.S. TAG Administrator for ISO/TC 228 – *Tourism and related services* and therefore ANSI is not a member of this committee. The Secretariat for the committee is held by Spain (UNE).

ISO/TC 228 operates under the following scope:

*Standardization of the terminology and specifications of the services offered by tourism service providers, including related activities, touristic destinations and the requirements of facilities and equipment used by them, to provide tourism buyers, providers and consumers with criteria for making informed decisions.*

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)).

# International Organization for Standardization (ISO)

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

### Contact Centers

**Comment Deadline: November 8, 2024**

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

*Standardization in the field of terminology, requirement, guidance, practices, evaluation for contact centers management and services provision.*

*Excluded: Relevant work within the scopes of the following committees:*

- *ISO/IEC JTC 1 Information technology*
- *ISO/IEC JTC 1/SC 40 IT service management and IT governance*
- *ISO/TC 176 Quality management and quality assurance*
- *ISO/TC 176/SC 3 Quality management and quality assurance —Supporting technologies*
- *ISO/TC 290 Online reputation*
- *ISO/TC 312 Excellence in service*
- *ISO/PC 317 Consumer protection: privacy by design for consumer goods and services*

*Note: In parallel, the proposed TC works in cooperation with existing committees on subjects that may support contact centers.*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, November 8, 2024.

# Registration of Organization Names in the United States

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

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

RadiusXR

Public Review: July 22 to October 22,2024

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

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

# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final. The USA Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

### Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

[https://www.wto.org/english/tratop\\_e/sps\\_e/sps\\_e.htm](https://www.wto.org/english/tratop_e/sps_e/sps_e.htm)

WTO Committee on Technical Barriers to Trade (TBT): [https://www.wto.org/english/tratop\\_e/tbt\\_e/tbt\\_e.htm](https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm)

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: [https://tcc.export.gov/report\\_a\\_barrier/trade\\_barrier\\_examples/index.asp](https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp).

Report Trade Barriers: [https://tcc.export.gov/Report\\_a\\_Barrier/index.asp](https://tcc.export.gov/Report_a_Barrier/index.asp).

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

**Standard:** NEMA MG 60034-31-2024

**Standard Title:** *Efficiency Application Guidelines for the Selection of Motors Including Variable Speed Applications*

The following reports substantive changes proposed resulting from NEMA C50 Consensus Body member comments:

Add the following to the Foreword: US differences in the IEC text are inserted as necessary to apply to the US and are provided in indented bold text, numbered sequentially under each clause with the letters DV (documented variation) inserted.

## **1 Scope**

**1DV** – Revise the scope in 1DV as follows:

**This Guide provides instruction on technical and economic aspects for the application of polyphase electric AC motors rated 600 V or less including synchronous machines. It applies to motor manufacturers, OEMs (original equipment manufacturers), end users, regulators, legislators and other interested parties.**

## **2 Normative references**

**2DV** – Add the following normative reference:

**NEMA 61800-9-2 Adjustable speed electrical power drive systems – Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Energy efficiency indicators for power drive systems and motor starters**

## **4 Background**

**4.1DV** – Add the following DV to make the original IEC text past tense:

**4.1DV** *Replace the first sentence of the fifth paragraph as follows:*

**In 2017, the share of motors equipped with electronic speed control was only about 12 % of the installed motor base, as illustrated in Error! Reference source not found.b [8].**

### **4.2 Introduction to standards**

#### **4.2.1 Overview**

**4.2.1DV.1** – Add the following DV to include NEMA as a developer of energy efficiency standards:

**4.2.1DV1** *Replace the previous paragraph with the following:*

**IEC TC 2 (Rotating machinery) and IEC TC 22 (Power electronic systems and equipment) and NEMA have prepared a number of standards that are related to energy efficiency of electric motors and power drive systems (PDS).**

**4.2.1DV.2** – Revise the list of reference standards for completeness as follows:

**The determination of efficiency of motors rated for operation on fixed frequency (typically either 50 Hz or 60 Hz) and fixed speed are covered in the following standards:**

- 1. IEEE 112-2017 Method B**
- 2. CSA C390 (R2019)**
- 3. IEC 60034-2-1: Determination of losses and efficiency**
- 4. NEMA MG 00001-2024**

**4.2.1DV.3** – Add NEMA MG 00001-2024 as a reference standard for enclosed motors rated exclusively for motors for variable frequency and variable speed.

**4.2.1DV.4** – Revise for clarity to read:

**Each NEMA motor falls into either one of the preceding three categories, if not validly excluded (see scope in IEC 60034-30-2) and will therefore carry the nominal efficiency according to NEMA MG 00001-2024.**

**4.2.1DV.5** – Revise for clarity and completeness to read:

**The markings on the nameplate of a motor determines if its energy efficiency should be identified according to NEMA MG 00001-2024 Part 12, or 20 as applicable. If the motor is either exclusively for fixed speed operation or for both fixed and variable speed operation, then the motor is required to be tested on a sinusoidal power supply according to IEEE 112 Method B or CSA C390-10 (R2019) or IEC 60034-2-1. In this case, the rated nominal efficiency at full load shall be marked on the nameplate. See NEMA MG 00001-2024, Table 12-10 for allowable values of nominal efficiencies.**

**4.2.1DV.6** – Revise for clarity and completeness to read:

**Induction motors of a higher efficiency typically have an increased size, weight and cost compared to motors of lower efficiency. Therefore, keeping within the present assignments of horsepower ratings relative to NEMA frame sizes (See NEMA MG 00001-2024, Part 13), then the highest energy efficiency level for fixed speed motors is designated as “Premium Efficiency” or some ratings, “Super Premium Efficiency”.**

**4.2.2DV.1, Scope of efficiency classification** –Revise for completeness to read as follows:

**When considering the overall cost of a motor and the operating energy costs, motors of higher efficiency levels are ideal for use in applications where the motor is operated over a period of time at mostly stable conditions. Typical examples are pumps, fans, compressors, conveyors, lifts and so on.**

**4.2.2DV.2** – Add the following DV to leave out references to IEC duty cycles:

**4.2.2DV.2** *Replace the previous paragraph with the following:*

**Some motors are operated for short times, for example garage door and gate openers. In this case, a high energy efficiency is not always ideal due to the associated additional cost of the motor.**

## **5 Applications**

5.1 Applications where the motor is fully loaded over long periods of time

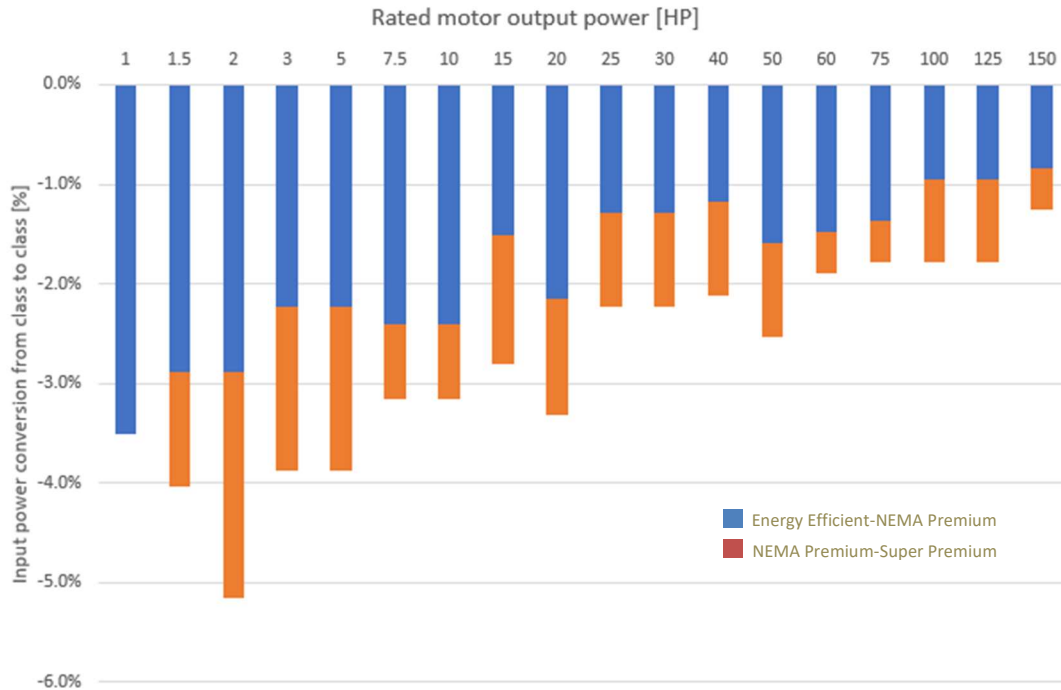
5.1DV – Add the following DV to replace IEC IE classifications with NEMA efficiency nomenclature:

**5.1DV** *Replace the previous paragraph with the following:*

**The reduction of motor losses from NEMA Energy Efficient to Super Premium is typically around 30 % and 40 %. This is related to a reduction in total power demand of a typical application depending on the rated power in the 0.25 to 150 Hp range.**

**Figure 5DV** – Add the following figure for reduction of motor input power between one efficiency class to the next higher class as it applies to motors covered in NEMA MG 00001-2024:

**Figure 5DV** *Replace Figure 5 with the following:*



**Figure 5DV – Reduction of motor input power between one efficiency class to the next higher class in percentage versus rated motor output power, shown cumulative for 4-pole motors**

NOTE The graph in **Error! Reference source not found.DV** is valid for electric motors identified according to NEMA MG 00001-2024, Tables 12-11, 12-12 and 12-23.

## 6 Fundamentals of electrical machines

### 6.2 Technology

#### 6.2.1 Technologies for fixed speed, line start motors

6.2.1DV.1 – Revise to apply to NEMA motors as follows:

**NEMA efficiency levels are established in NEMA MG 00001-2024, for motors designed for across the line start.**

### 6.3 Efficiency

#### 6.3.4 Variations in motor losses

6.3.4DV.1 – Revise to reference national regulations rather than standards, as follows:

**The rated efficiency should also be above or equal to the nominal efficiency required by the national regulatory agency for the location of the installation.**

6.3.4DV.2 – Revise the reference to minimum efficiencies in Table 12-10 of NEMA MG 00001-2024 rather than rated efficiency minus tolerance, as follows:

**The actual efficiency at rated load of any individual motor, when operating at rated voltage and frequency, can be lower than the rated efficiency, but not less than the corresponding minimum efficiency given in Table 12-10 of NEMA MG 00001-2024.**

## 7 Motors for constant speed operation

### 7.3 Starting performance

**7.3DV.1** – Revise for clarity and completeness as follows:

**The locked-rotor currents of motors of the same output power rating generally differ by 10 % to 20 % between efficiency classifications, but do not exceed the maximum locked rotor current permitted in NEMA MG 00001-2024 for NEMA Design B, C, or D motors.**

Individually, this difference depends on the construction principles of the motor and should be checked with the manufacturer when replacing motors in an existing installation. Recently, new NEMA Designs BE and CE (similar to IEC Design NE and HE) have been proposed, which will allow a higher locked rotor current and may be used to help achieve higher efficiency. The design class is required on the nameplate in order for the end-user to be aware and potentially utilize a starter that can handle the current. It should also be noted that the exponential decay of the instantaneous current will be longer with higher efficiency motors and could affect the trip setting or delay of the relay. Copper rotor motors typically have a higher locked-rotor current compared to aluminium rotor motors. It should be ensured that the control protective device is properly sized and set-up. It is possible that higher efficiency motors, particularly if a copper rotor is used, may have lower starting torque. Starting torque is a function of the resistance of the rotor and the rotor bar current at start up. High efficiency motors tend to reduce the rotor bar resistance and losses, thereby reducing the starting torque if the current does not increase.

### 7.6 Power factor

**7.6DV** – Add the following national difference:

***Replace the third previous paragraph with the following:***

**The power factor of an induction motor decreases as the load decreases, as seen in Figure 12a. The power factor bands given in Figure 12a are typical for 4-pole three phase cage induction motors in efficiency classes Energy Efficient and Premium Efficiency according to NEMA MG 00001-2024. Motors with two poles will have a slightly higher power factor while motors with a higher number of poles will have a lower power factor.**

### 7.7 Partial load efficiency

**7.7DV** – Add the following DV to apply only to motors according to NEMA MG 00001-2024 as follows:

***7.7DV Replace the previous paragraph with the following:***

**Single-speed motors offer fairly constant efficiencies over a wide range of partial loads as indicated by Error! Reference source not found.b. The efficiency bands given in Error! Reference source not found.b are typical for 4-pole three phase cage induction motors in efficiency classes Energy Efficient and Premium Efficiency according to NEMA MG 00001-2024. Motors with other number of poles will have a different characteristics.**

### 7.12 Effects of power supply and ambient temperature variations

#### 7.12.3 Effects of ambient temperature

**7.12.3DV** – Add the following DV to apply to NEMA MG 00001-2024:

**The motor rated efficiency is always given for a standard reference ambient temperature of 25 °C (see 12.58.1 of NEMA MG 00001-2024). Operation under cooler ambient temperatures will increase efficiency while operation under hotter ambient temperatures will reduce efficiency.**



## **8 Motors for variable speed operation**

### **8.6 Variable frequency drive losses**

**8.6DV** – Add the following DV to reference NEMA 61800-9-2:2023 vs. IEC 61800-9-2

**Requirements for minimum relative VFD losses for the IE1 and IE2 classes for VFDs are defined by NEMA 61800-9-2:2023.**

## **Annex A – Typical efficiency values and losses of motors and variable frequency drives**

### **A.1 General**

A.1DV – Add the following DV to apply to motors according to NEMA MG 00001-2024

**A.1DV** *Replace the previous paragraph with the following:*

The purpose of Annexes A, B, C and D is to provide information for the determination of typical losses and efficiency figures of motors and variable frequency drives (VFDs) of different IE classes. All formulas and tables are based on information available in IEC 60034-2-3, NEMA MG 00001, IEC TS 60034-30-2 and IEC 61800-9-2.

### **A.2 Losses of direct-in-line motors**

A.2DV.1, A.2DV.2 – Add the following DVs to apply to US DoE energy conservation standards:

**A.2DV.1** *Replace the previous paragraph with the following:*

The actual efficiency of any individual specimen of a series production of motors is subject to a minimum total efficiency value that is greater than or equal to the represented efficiency +15 % additional losses in accordance with 10 CFR Subpart B, 429.64: Certification. This tolerance results from manufacturing variations and measurement uncertainty.

**A.2DV.2** *Replace the previous paragraph with the following:*

A compliant motor shall have a tested efficiency value that is greater than or equal to the minimum efficiency as calculated in 10 CFR Subpart B, 429.64: Certification.

## **Annex B – Tables of typical efficiency values of motors Direct-on-Line (DOL)**

**Annex BDV** – Add the following DV to replace the title and contents of Annex B

**Annex BDV:** *Replace this annex with the following:*

### **Tables of typical efficiency values of motors Direct-on-Line (DOL)**

Tables 12-11 through 12-23 of NEMA MG 00001, Part 12 and tables 20A, 20B, 20D, 20E and 20F of NEMA MG 00001, Part 20 specify the nominal efficiency levels for 60 Hz and 50 Hz NEMA Design motors.



## **PHTA-4 Standard for Aboveground/Onground Residential Swimming Pools REVISIONS – Substantive Changes**

**LIMITATION:** Public Review comments can only be submitted on the revisions shown below.  
For further information, contact Genevieve Lynn, PHTA Standards Department, at [standards@phta.org](mailto:standards@phta.org).

### SECTIONS

#### **2 Normative References**

ANSI/ASHRAE 62.1-2022 Ventilation and Acceptable Indoor Air Quality ~~Table 2, Article 2.1s~~<sup>4</sup>

**7.2.3** Shall state that a barrier is necessary and often required by law, regulation or standard to provide protection against potential drowning and near drowning and that barriers are not a substitute for the constant supervision of children.

**7.3.9** The installer shall ensure that all pools and their related components that are installed in an indoor environment shall comply with the ventilation requirements of ANSI/ASHRAE 62.1 ~~Table 2, Article 2.1~~.

**11.2.2 Suction entrapment avoidance.** The design, and any installation instructions for all suction outlets (SOFAs, skimmers, and vacuum port fittings), when used, shall be ~~certified by an agency accredited to ISO 17065 as conforming to~~ in accordance with the most current published edition of PHTA-7.

## BSR/UL 174, Standard for Safety for Household Electric Storage Tank Water Heaters

### 1. Remote Operation Functionality

#### PROPOSAL

SB2.19 A control on the water heater shall be manually adjusted to the setting for smart enabled and/or remote operation in order for the water heater to be operated in this mode (i.e. utilizing a mobile app). The adjustment means shall be physically provided on the water heater and the method shall be illustrated in user operating instructions provided with the appliance.

*Exception No. 1: If the smart enabled and/or remote operation mode is restricted to a maximum water heater temperature setpoint equal to or less than 51.7°C (125°F), a manual adjustment setting means physically located on the water heater as described in SB2.19 is at the option of the manufacturer.*

*Exception No. 2: If the smart enabled and/or remote operation mode is required to be activated with ~~proprietary information marked directly~~ information visually accessible to the user on the water heater (i.e. access code, QR code, pairing code, etc.) a manual adjustment setting means physically located on the water heater as described in SB2.19 is at the option of the manufacturer.*

SB5.6 The method of setting the water heater to smart enabled and/or remote operation shall be illustrated in the user operating instructions provided with the appliance.

### 2. Electronic User Interface

#### PROPOSAL

23.2 A temperature-regulating thermostat or any electronic user interface (which allows user to adjust water temperature setpoint) shall be inherently designed to prevent adjustment to a water temperature exceeding 77°C (171°F) and have no marked dial displayed setpoint water temperature setting more than 77°C (171°F) and shall be inherently designed or provided with a stop to prevent its adjustment to a higher temperature setting.

23.2A A water heater user interface shall be evaluated as an integral part of the temperature regulating control required by 23.1 (i.e. control evaluated to UL 60730-1 and relevant Part 2 requirements, if applicable, as a Class B Control Function for adjustment and indication of desired temperature setpoint).

*Exception: An electronic user interface may be evaluated to UL 60730-1 and relevant Part 2 requirements, if applicable, and as a Class A Control if and only if all of the following functions are evaluated while subjected to the test condition specified in 29.1:*

*a) Immediate visual indication of desired setpoint at the User Interface with any user adjustment of setpoint; this is function Class A.*

*b) Prevention of adjustment of setpoint more than  $\pm 5.6^\circ\text{C}$  ( $\pm 10^\circ\text{F}$ ) from the current setpoint by one user action (example: such as one button press); this is function Class A.*

*c) Electronic User Interface shall not permit setpoint value to be selected higher than 77°C (171°F); this is function Class A.*

*d) Maximum number of setpoint adjustments for the appliance completed by one user action (e.g. such as one button press) shall be rate limited to five or less fewer adjustments to increase setpoint within a time span of 1 min; this is function Class A. Following this, any further requests shall be ignored until 15 min. has elapsed since the last request; this is function Class A.*

## UL 347A, Standard for Safety for Medium Voltage Power Conversion Equipment

### 1. Withdrawal and replacement of ANSI/ISA MC96.1, Temperature – Measurement Thermocouples

#### PROPOSAL

4.2 The following publications are referenced in this Standard:

[ASTM E230/E230M, Standard Specification for Temperature-Electromotive Force \(emf\) Tables for Standardized Thermocouples](#)

~~ISA MC96.1, Temperature Measurement Thermocouples~~

32.2.27 Thermocouples and related instruments are to be accurate and calibrated in accordance with good laboratory practice. The thermocouple wire is to conform with the requirements for ~~special~~ [special tolerances](#) thermocouples as specified in the [Tolerances on Initial Values of EMF versus Temperature tables in the Standard Specification for Temperature-Electromotive Force \(emf\) Tables for Standardized Thermocouples, ASTM E230/E230M](#) ~~Initial Calibration for Thermocouples table in the Standard for Temperature Measurement Thermocouples, ANSI/ISA MC96.1-1982.~~

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**BSR/UL 758, Standard for Safety for Appliance Wiring Material****1. DC Dielectric Voltage-Withstand Test Potentials, Revised Table 29.1****PROPOSAL**

**Table 29.1**  
**Dielectric voltage-withstand test potentials**

Voltage rating, V AC	Conductor sizes, AWG	Dielectric test potential, V AC
30	All	500
60, 90	All	1000
125, 150	All	1500
250 <sup>a</sup>	All	2000
300, voltage not specified <sup>a</sup> , 450 <sup>a</sup>	All	2000
600	2 and smaller	2000
600	1 – 4/0	2500
600	250 – 500 kcmil	3000
600	500 – 1000 kcmil	3500
600	1100 – 2000 kcmil	4000
1000 – 20,000	All	2 times the rated voltage + 1000 V AC or DC
600V DC	All	2000 V DC or AC
Over 600 V or less than 3k V DC	All	2 times the rated voltage + 1000 V DC or AC

<sup>a</sup> 250 V, and 300 V and 450 V AC wires complying with Table 3.2 are to be tested at 1500 V.

**2. DC Dielectric Voltage-Withstand Test Potentials, Revised Table 49.1****PROPOSAL**

**Table 49.1**  
**DC dielectric voltage-withstand test potentials**

Voltage rating	Conductor sizes, AWG	Dielectric test potential, V DC
30 V AC	All	1000
60, 90 V AC	All	1500
125, 150 V AC	All	2500
250 <sup>a</sup> V AC	All	3000
300, voltage not specified, 450 <sup>a</sup> V AC <sup>a</sup>	All	3000
600 V AC	2 and smaller	3000
600 V AC	1 – 4/0	4000
600 V AC	250 – 500 kcmil	4500
600 V AC	500 – 1000 kcmil	5000
600 V AC	1100 – 2000 kcmil	6000
1000 – 20,000 V AC		6 times the rated voltage
Any DC rated		2 times the rated voltage + 1000 V

<sup>a</sup> 250 V, and 300 V and 450 V AC wires complying with Table 3.2 are to be tested at 4500 2500 V.

## BSR/UL 1576 Standard for Safety for Safety for Flashlights and Lanterns

### 1. Proposed revisions to align UL 1576, 2nd Edition, with the August 30, 2023 revision of UL 4200A.

## PROPOSAL

### 2 Reference publications

2.1 For undated references to Standards, such reference shall be considered to refer to the latest edition and all revisions to that edition up to the time when this Standard was approved. For dated references to Standards, such reference shall be considered to refer to the dated edition and all revisions published to that edition up to the time the Standard was approved.

### UL Standards

UL 4200A, *Products Incorporating Button Batteries or Coin Cell Batteries of ~~Lithium Technologies~~*

#### 5.2.6 ~~Lithium~~ Button batteries or coin cell batteries

5.2.6.1 A product or product accessory that incorporates or may use a ~~lithium~~ button batteries or coin cell batteries shall comply with UL 4200A when the product is covered by the Scope of UL 4200A.

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**BSR/UL 8400, Standard for Safety for Standard for Standard for Safety for Virtual Reality, Augmented Reality and Mixed Reality Technology Equipment**

**2. Revisions per UL 62368-1 and revision of Functional Safety requirements**

**PROPOSAL**

**4.3 Supplementary safety requirements**

Besides these general product safety aspects, this Standard supplements requirements addressing known and ~~potential~~ reasonably foreseeable hazards associated with domains of VR, AR and MR technologies for greater relevance to the domains of VR, AR and MR technologies as specified in Clauses 5 – 12.

- See-through visual functions (Clause 5),
- Flicker (Clause 6),
- ~~Skin~~ Biocompatibility (Clause 7),
- Exposure of eyes to thermal energy (Clause 8)

**Table 1A**  
**Known and Potential hazards associated with AR/VR and MR technologies with requirement clauses and applicability**

Hazard	Origin	Cause	Relevant Clauses	Applicability
Collision/Fall hazard	User colliding with stationary object, user tripping and falling etc.	Low optical transmittance	5. See-through visual functions	OST
		Real world occluded by digital content	10.1 Mechanical Robustness: Static Load Test	OST
			10.2 Mechanical Robustness: Ball impact Test	OST
			10.3. Mechanical Robustness: Loaded head Test	NST, VST
		11 Enhancing Spatial Perception	NST, VST, OST	
		Seizure causing user to fall	6. Flicker	NST, VST
Loss of motor coordination/balance	12. Safety and Warning Instructions	NST, VST		
Skin irritation and sensitization	<del>Skin irritation/ injury</del> <u>Biocompatibility</u>	Non compatible materials in <u>prolonged</u> contact with skin	7. <del>Skin</del> <u>Biocompatibility</u>	NST, VST, OST
Thermal hazard	Corneal injury	Corneal burns from trapped air heating	8. Exposure of eyes to thermal energy	NST, VST, OST
Neck strain or pain	Head/Neck and upper extremities strain over prolonged usage	HMD usage exerting excessive biomechanical stress on neck	9. Bio-mechanical stress	NST, VST, OST
General			12 Safety and warning instructions <sup>a</sup>	NST, VST, OST

NOTE <sup>a</sup> - Mitigation for general hazards could be other than clause 12

### 4.3.1 Safety analysis

A system safety analysis shall be conducted on the equipment to determine hazardous events and/or hazardous situations due to system faults, component faults, or operation parameter faults and to identify the safeguards needed to address them. The documentation for this analysis will vary based on the manufacturers system safety analysis and use case. Acceptable guidance documents and risk evaluation tools include, but not limited to:

- ISO 31000;
- IEC 31010;
- IEC 60812; and
- IEC 61025.

Required safeguards identified in the system safety analysis ~~should~~ shall be ~~accessed~~ assessed by UL 62368-1. Safeguards not covered in the scope of UL 62368-1 ~~may~~ shall be assessed based on other acceptable standards including but not limited to:

- CAN/CSA C22.2 No. 0.8;
- IEC 61508;<sub>i</sub>
- ISO 13849;<sub>i</sub>
- UL 991 and UL 1998 (if software is used);
- UL 60335-1; ~~Abnormal operation and Annex R Software evaluation;~~ and
- UL 60730-1; ~~Requirements for electronic controls.~~

### 8 Exposure of eyes to thermal energy

The risk of optical damage to the eye due to excessive heat exposure shall be minimized.

NOTE Some HMDs may cause local hot air pockets around the eye (e.g. within light seal region) and thus pose risk for eye corneal damage. This type of ~~conductive~~, non-contact thermal hazard is not covered in UL 62368-1 and thus addressed here.

The HMD shall be subject to ocular surface temperature test in 8.1.

**Table 3**  
**Vertical drop height**

Maximum expected HMD linear speed during intended and foreseeable usages	Drop Height
$\leq 3 \text{ m/s}$ ( $\leq 9.84 \text{ ft/s}$ )	0.6 m (1.97 ft)
$> 3 \text{ m/s}$ and $\leq 4.5 \text{ m/s}$ ( $> 9.84 \text{ ft/s}$ and $\leq 14.76 \text{ ft/s}$ )	1.0 m (3.28 ft)
$> 4.5 \text{ m/s}$ ( $> 14.76 \text{ ft/s}$ )	1.8 m (5.91 ft)

## 5. Revision of Safety and Warning Instructions

### PROPOSAL

#### 12.1 Warning design

Warnings provided shall conform to ISO 3864, ~~or~~ ANSI Z535, ISO 7000, or ISO 7010, as applicable, including but not limited to requirements pertaining to graphic symbols, signal words, and minimum type sizes.

#### 12.3.1 Risk assessment



The risk assessment shall consider the end user population for whom it is designed, marketed, and intended as well as reasonably foreseeable use of the product by vulnerable groups to determine adequate safety and warning instructions pertaining to these populations. ~~The risk assessment shall consider the end user population(s) to whom the product appeals and for whom it is designed, marketed, and intended.~~

#### 12.4.4 Digital forced acknowledgement prompt

HMDs shall include as a default setting a ~~recurring~~ digital forced acknowledgement prompt. The prompt shall be shown to the user upon powering on the product and/or other time points or events as determined by the risk analysis.

#### 12.5 Warning against ~~vergence-accommodation conflicts (VAC)~~ possible sensory motor adaptation

~~The likelihood of falls and collisions due to the after effect of VAC shall be minimized.~~

Immersive technology equipment may cause visual distortions after usage. A user shall be warned against associated risks of consequential injuries prior to use if such risk exists.

NOTE Eyes can adapt to VAC if this persists, leading to temporary decoupling between vergence and accommodation, misjudging depth, consequently, poses risks of injury.

~~A user shall be warned of the risk of consequential injury prior to use if such risk exists.~~

## 6. Clarification of Transmittance testing

### PROPOSAL

#### 5.2 Measurements

An OST HMD or a sample representative of the as-worn configurations (e.g., a lens together with a visor) shall be tested to determine the spectrophotometric properties specified in 5.2.1, 5.2.2, and 5.2.3. The device is tested in normal operation, as defined by the manufacturer, and shall include ~~ing~~ the effects of any active filtering.

## 7. Clarification of Flicker testing

### PROPOSAL

#### 6.1 Flicker Assessment

Prior to the test, the DUT is running a test pattern of constant full screen white at the maximum luminance. A warm-up time of up to 20 min shall be allowed. The irradiance as a function of time is measured by the LMD specified in ~~Annex D, Clause D 6.2~~ and is transformed into the function of frequency using the FFT (Fast Fourier Transform).

The risk of flicker is assessed by flicker frequency and modulation (%) which is defined as the difference between maximum and minimum luminance divided by the sum of maximum and minimum luminance and multiplied by 100 %. Alternately, the frame rate frequency of an NST or VST HMD greater than 70Hz satisfies this requirement

#### 6.2 Light measuring device

The optics of the device are to be aligned approximate to the human eye and shall be equipped with a finder. ~~The size of the entrance pupil of the device shall be between 2 mm (0.08 in) and 7 mm (0.28 in), and shall be smaller than the output light field of the equipment and dark field (zero) corrected.~~

## 9. Revision to scope of the Standard.

### PROPOSAL

#### 1 Scope

These requirements cover visual opacity, flicker, biocompatibility ~~skin sensitization~~, heat exposure to the eye, biomechanical stress and optical occlusion.

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