

# **ESTA Standards Watch**

Early August 2022 Volume 26, Number 15

Table of Contents	
FCC Consumer Alert – Scam robotexts	1
WTO Technical Barrier to Trade notifications	1
United States of America Notification G/TBT/N/USA/1679/Add.1	1
United States of America Notification G/TBT/N/USA/1908	
ANSI public review announcements	2
Due 28 August 2022	2
Due 04 September 2022	
Due 12 September 2022	
Due 19 September 2022	
BSI public review announcements	5
Due 06 September 2022	5
DIN public review announcements	5
Due 05 October 2022	5
New ANS projects	
Announced 29 July 2022	5
Announced 05 August 2022	
Final actions on American National Standards	. 10
Call for members (ANSI consensus bodies)	. 11
Draft IEC & ISO documents	
IEC documents for comment	. 12
ISO documents for comment	. 13
Recently published IEC & ISO documents	. 13
TSP meeting schedule	
Investors in Innovation, supporters of ESTA's Technical Standards Program	

### FCC Consumer Alert - Scam robotexts

The Federal Communications Commission (FCC) has issued a consumer alert regarding the rising threat of scam robotexts. The complete text can be found at <a href="https://docs.fcc.gov/public/attachments/DOC-385732A1.pdf">https://docs.fcc.gov/public/attachments/DOC-385732A1.pdf</a>. **Contact:** Consumer Complaints: Online: <a href="https://consumercomplaints.fcc.gov">https://consumercomplaints.fcc.gov</a>, Phone: (888) 225-5322, Videophone: 1-844-432-2275.

#### **WTO Technical Barrier to Trade notifications**

Notify US, the U.S. Department of Commerce's service to announce Technical Barrier to Trade filings, has announced some interesting TBTs. If you have a problem with a TBT, you can protest through your representative to the World Trade Organization.

#### United States of America Notification G/TBT/N/USA/1679/Add.1

Date issued: 02 August 2022

**Agency responsible:** Federal Trade Commission **National inquiry point:** USA WTO TBT Enquiry Point

**Products covered**: Amplifiers used in home entertainment products

**Title**: Trade Regulation Rule Relating to Power Output Claims for Amplifiers Utilized in Home Entertainment Products

Action: Notice of proposed rulemaking

**Description of content**: The Federal Trade Commission ("FTC" or "Commission") seeks public comment on proposed amendments to the Trade Regulation Rule Relating to Power Output Claims for Amplifiers Utilized in Home Entertainment Products ("Amplifier Rule" or "Rule"). The proposal requires sellers making power-related claims to calculate power output using uniform testing methods to allow consumers to easily compare amplifier sound quality. Additionally, the Commission seeks comment on the normal usage of multichannel home theater amplifiers.

DATES: New deadline for comments (if applicable): 26 September 2022

**ADDRESSES:** This notice of proposed rulemaking is identified by Docket Number FTC-2022-0048. The Docket Folder is available from Regulations.gov at

https://www.regulations.gov/docket/FTC-2022-0048/document, and provides access to primary documents as well as comments received.

#### United States of America Notification G/TBT/N/USA/1908

Date issued: 05 August 2022

Agency responsible: Department of Public Safety, Office on Traffic Safety, Committee on Testing for

Intoxication, State of Nevada [1938]

National inquiry point: USA WTO TBT Enquiry Point

**Products covered**: Breath testing devices for intoxication; Quality (ICS code(s): 03.120); Domestic safety (ICS code(s): 13.120); Test conditions and procedures in general (ICS code(s): 19.020); Crash protection and restraint systems (ICS code(s): 43.040.80)

**Title**: Testing for Intoxication; (51 page(s), in English)

Action: Notice of proposed rulemaking

**Description of content**: Revises provisions related to testing for intoxication, including for devices used for this purpose. Nevada Administrative Code (NAC) 484C concerns the administration of lists of approved preliminary breath-testing (PBT) devices, evidential breath-testing devices and devices which prevent an intoxicated person from starting a vehicle (ignition interlocks).

Relevent documents: Vol. 293, Nevada Register of Administrative Regulations 07/24/2022:

https://www.leg.state.nv.us/Division/Legal/LawLibrary/Register/indexes/

2022 NAC REGISTER NUMERICAL.htm. R174-18W - Intoxication (484C) Withdrawn by agency, is now R176-22. R176-22I - Intoxication (484C) Revises provisions relating to testing for intoxication, (was R174-18). http://www.leg.state.nv.us/Register/2022Register/R176-22I.pdf

**DATES:** The proposed date of adoption and date of entry into force are both to be determined. No date for final action was provided.

ADDRESSES: Texts also available from

https://members.wto.org/crnattachments/2022/TBT/USA/22\_5194\_00\_e.pdf.

The above notices were culled from the 139 Technical Barrier to Trade notices posted since 29 July 2022 on the recently launched ePing platform (<a href="https://epingalert.org/">https://epingalert.org/</a>). Visitors may use ePing without registering to browse notifications on past as well as new draft and updated product regulations. The ePing website is active now and is available in English, French, and Spanish.

# ANSI public review announcements

The following documents have been announced for public review by ANSI and may be of material interest to *Standards Watch* readers. If you have comments on them, please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 28 August 2022

BSR/ASHRAE/IES Addendum i to BSR/ASHRAE/IES Standard 100-202x, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018)

This proposed addendum revises the Title, Purpose, and Scope to include carbon emission performance requirements in Standard 100. The full changes can be viewed by clicking to PDF page 78 in ANSI's Standards Action edition 5330.

**Send comments (copy psa@ansi.org) to:** Online Comment Database at <a href="https://www.ashrae.org/technicalresources/standards-and-quidelines/public-review-drafts">https://www.ashrae.org/technicalresources/standards-and-quidelines/public-review-drafts</a>

#### BSR/IES LS-1-22-202x, Lighting Science: Nomenclature & Definitions (revision of ANSI/IES LS 1-2020)

Illuminating engineering, strictly speaking, comprises the production, measurement and application of light, or radiant energy within the limits of the visual spectrum. Since, however, most light sources furnish radiant energy also in the adjoining infrared and ultraviolet regions, and since many lamp-type devices are used for the production of radiant energy in these regions, it is customary to include the infrared and ultraviolet within the province of the illuminating engineer. This revision includes revisions and new definitions for UV light sources and Germicidal terms used in lighting. The full changes can be viewed by clicking to PDF page 84 in ANSI's Standards Action edition 5330.

Send comments (copy psa@ansi.org) to: Patricia McGillicuddy; pmcgillicuddy@ies.org

## BSR/UL 217-202x, Standard for Safety for Smoke Alarms (revision of ANSI/UL 217-2020)

Proposed changes to clarify the sensitivity requirements of the alarm silence feature and correct the smoke alarm reliability prediction requirements in Annex C. The full changes can be viewed by clicking to PDF page 92 in ANSI's Standards Action edition 5330.

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

#### Due 04 September 2022

# BSR/ASHRAE/IES Addendum c to BSR/ASHRAE/IES Standard 202-202x, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018)

This proposed addendum adds ongoing commissioning requirements related to new construction.

The full changes can be viewed by clicking to PDF page 64 in ANSI's Standards Action edition 5331.

Send comments (copy psa@ansi.org) to: Online Comment Database at

https://www.ashrae.org/technicalresources/standards-and-quidelines/public-review-drafts

# BSR/ASHRAE/IES Addendum d to BSR/ASHRAE/IES Standard 202-202x, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018)

This proposed addendum adds additional clarity to construction phase activity requirements.

The full changes can be viewed by clicking to PDF page 67 in ANSI's Standards Action edition 5331.

Send comments (copy psa@ansi.org) to: Online Comment Database at

https://www.ashrae.org/technicalresources/standards-and-quidelines/public-review-drafts

#### Due 12 September 2022

#### BSR/ASB Std 118-202x, Standard for Breath Alcohol Instrument Specifications. (new standard)

This document defines the minimum technical capability of evidential breath alcohol instruments used in law enforcement applications. The document emphasizes analytical performance, quality assurance measures, and design features that can affect analytical performance. This standard is not intended to include instruments used for preliminary (non-evidentiary), ignition interlock, or federally regulated testing.

Single copy price: Free

**Obtain an electronic copy from:** Document and comments template can be viewed on the AAFS Standards Board website at: https://www.aafs.org/academy-standards-board (Free of charge).

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

# BSR/ASSP A10.39-202X, Construction Safety & Health Audit Program (revision and redesignation of ANSI/ASSE A10.39-1996 (R2017))

This standard identifies the minimum performance elements that, when properly utilized, will allow for a competent evaluation of a construction safety and health program. Further, it will identify those areas where systems, records, and performance elements are required in order to produce a quality audit.

Single copy price: \$110.00

Obtain an electronic copy from: TFisher@ASSP.Org

Order from: Tim Fisher; tfisher@assp.org Send comments (copy psa@ansi.org) to: Same

#### BSR/ATIS 0600005-202x, Acoustic Measurement (revision of ANSI/ATIS 0600005-2017)

Acoustic noise from telecom equipment adds to regulated environmental noise. This standard provides measurement methods for acoustic noise that are accurate and repeatable. Emission limits are set in units of sound power for equipment installed in temperature-controlled environments.

Single copy price: Free

Obtain an electronic copy from: dgreco@atis.org

Send comments (copy psa@ansi.org) to: Drew Greco; dgreco@atis.org

# BSR/AWS A5.28/A5.28M-202x, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.28/A5.28M-2020)

This specification prescribes the requirements for classification of solid low-alloy steel electrodes and rods, composite stranded low-alloy steel electrodes and rods, and composite metal cored low-alloy steel electrodes and rods for gas shielded welding processes including gas metal arc welding, gas tungsten arc welding, and plasma arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite-metal cored electrodes and rods and the as-welded or postweld heat-treated mechanical properties of the weld metal for each. Additional requirements are included for manufacture, sizes, lengths, and packaging. Optional supplemental designators are also included for lower temperature toughness requirements, diffusible hydrogen limits, reduced Mn + Ni levels in Cr-Mo compositions, and shielding gas ranges. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.

Single copy price: \$28.00 (AWS members)/\$37.00 (non-members)

Obtain an electronic copy from: kbulger@aws.org Order from: Kevin Bulger; kbulger@aws.org Send comments (copy psa@ansi.org) to: Same

# BSR C63.29-202x, Standard for Compliance Testing of Lighting Products (new standard)

A new standard is needed to test compliance of LED lighting products with applicable radio regulatory requirements.

Single copy price: \$165.00 (List)/\$132.00 (IEEE Members)
Obtain an electronic copy from: j.santulli@ieee.org
Order from: Jennifer Santulli; J.Santulli@ieee.org
Send comments (copy psa@ansi.org) to: Same

Due 19 September 2022

#### BSR/AWS D9.1/D9.1M-202x, Sheet Metal Welding Code (revision of ANSI/AWS D9.1/D9.1M-2018)

This code covers the arc and braze welding requirements for nonstructural sheet metal fabrications using the commonly welded metals available in sheet form. Requirements and limitations governing procedure and performance qualification are presented, and workmanship and inspection standards are supplied. The informative annexes provide useful information on materials and processes.

Single copy price: \$32.00 (AWS Members); \$44.00 (Non-Members)

Obtain an electronic copy from: jmolin@aws.org Order from: Jennifer Molin; jmolin@aws.org Send comments (copy psa@ansi.org) to: Same

#### BSR/ASME B30.29-2018 (R202x), Self-Erecting Tower Cranes (reaffirmation of ANSI/ASME B30.29-2018)

Volume B30.29 includes provisions that apply to the construction, operation, inspection, testing, and maintenance of powered self-erecting tower cranes that adjust operating radius by means of a trolley traversing a jib.

Single copy price: \$42.00

Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm

Send comments (copy psa@ansi.org) to: Kathleen Peterson; petersonk@asme.org

### **BSI** public review announcements

Due 06 September 2022

BS EN 17879 Event structures. Safety requirements

MCE/3/4

**Contact:** The draft may be viewed, and comments may be submitted by registering for a free online account as <a href="https://standardsdevelopment.bsigroup.com">https://standardsdevelopment.bsigroup.com</a>.

### **DIN** public review announcements

Due 05 October 2022

DIN EN 17206-2 Entertainment technology - Machinery for stages and other production areas - Part 2: Safety requirements for stands and truss lifts of stands; German and English version prEN 17206-2:2022 This draft standard covers the safety requirements for tripod stands with capacities greater than 3Kg. It does not cover camera tripods or wooden tripods.

Contact: Michael Bahr, Am DIN-Platz, Burggrafenstr. 6, 10787 Berlin. Tel.: +49 30 2601-2709, Fax: +49 30 2601-42709

### **New ANS projects**

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting. Contact the developer if you (a) want to be involved in a project, (b) object to a project and wish it to be abandoned, or (c) if you would like to point out that a scope is covered by an existing standard, thereby possibly making a project redundant or conflicting. 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.

#### Announced 29 July 2022

#### **APA (APA - The Engineered Wood Association)**

Contact: Borjen Yeh; borjen.yeh@apawood.org | 7011 South 19th Street | Tacoma, WA 98466 www.apawood.org

**Action:** BSR/APA PRG 320-202x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2019)

**Stakeholders:** Cross-laminated timber manufacturers, distributors, designers, users, building code regulators, and government agencies

Project Need: Revise the existing standard to include hardwood lumber for use in CLT manufacturing.

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

**Scope:** This standard provides requirements and test methods for qualification and quality assurance for performance-rated cross-laminated timber (CLT), which is manufactured from solid-sawn lumber or structural composite lumber (SCL) intended for use in construction applications.

#### **ECIA (Electronic Components Industry Association)**

**Contact:** Laura Donohoe; Idonohoe@ecianow.org | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 <a href="https://www.ecianow.org">www.ecianow.org</a>

**Action:** BSR/EIA 364-13E-2011 (R202x), Mating and Unmating Force Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-13E-2011 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

**Scope:** This standard establishes a method to determine the forces required to mate and unmate electrical connectors or protective caps with connectors, connectors/sockets with gages or devices.

**Action:** BSR/EIA 364-17C-2011 (R202x), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011 (R2017))

**Stakeholders:** Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard. **Interest Categories:** User, Producer, General Interest

**Scope:** This standard establishes a test method to determine the ability of an electrical connector and sockets to withstand elevated temperatures with or without electrical loading.

Action: BSR/EIA 364-25E-2017 (R202x), Probe Damage Test Procedure for Electrical Connectors (reaffirmation

of ANSI/EIA 364-25E-2017)

Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard. **Interest Categories:** User, Producer, General Interest

**Scope:** This standard establishes a test method to be followed for probe damage testing; intended primarily for round socket contacts in electrical connectors and possibly applicable to other type contacts as well. This test is to simulate a form of field abuse of contacts during test by inserting probes into socket contacts.

Action: BSR/EIA 364-27C-2011 (R202x), Mechanical Shock (Specified Pulse) Test Procedure for Electrical

Connectors and Sockets (reaffirmation of ANSI/EIA 364-27C-2011 (R2017)) **Stakeholders:** Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard. **Interest Categories:** User, Producer, General Interest

**Scope:** This test procedure establishes a test method to assess the ability of electrical components to withstand specified severities of mechanical shock.

Action: BSR/EIA 364-28F-2011 (R202x), Vibration Test Procedure for Electrical Connectors and Sockets

(reaffirmation of ANSI/EIA 364-28F-2011 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard. **Interest Categories:** User, Producer, General Interest

**Scope:** The standard test procedure details a method to assess the ability of electrical connector components to withstand specified severities of vibration.

**Action:** BSR/EIA 364-56E-2011 (R202x), Resistance to Soldering Heat Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-56E-2011 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User. Producer. General Interest

**Scope:** This standard establishes a test method for determining if connectors or sockets can withstand exposure to soldering conditions either by soldering iron, solder dip, solder wave, or reflow soldering techniques.

Action: BSR/EIA 469-E-202x, Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic

Capacitors (revision of ANSI/EIA 469-E-2017)

Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

**Scope:** This document provides terminology, suggested methods, and criteria for characterizing the internal structural features of monolithic, ceramic dielectric capacitors. Its major objective is the accurate evaluation of the internal physical quality of the chip capacitor element as it relates to the functional reliability of the finished capacitor. This Standard also provides needed and useful information pertaining to activities associated with destructive physical analysis (DPA), such as visual inspection and DPA reporting. In addition, it provides tutorial help for problems inherent in DPA sample processing.

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

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

**Action:** BSR/IEEE 2030.103-202x, Standard for Universal Utility Data Exchange (UUDEX) (new standard) **Stakeholders:** The stakeholders for this project are electric utilities, electric control system vendors, software

suppliers, integrators, regulatory agencies, and cyber security researchers.

**Project Need:** The need for this project is to replace existing data exchange protocols (e.g., Inter-control Center Communications Protocol [ICCP] also known as Telecontrol Application Service Element no. 2 [TASE.2]) because the older technologies are inflexible and based on 30-year-old assumptions about data formats, communication infrastructures, and protocols. Security was added to these existing protocols as an extension but has not been widely implemented (in the U.S.). The new data exchange protocol aims to satisfy present-day data exchange needs with a modern, flexible, self-describing, model-based, resilient, secure communications functionality that considers security as a basic design goal.

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

**Scope:** The Universal Utility Data Exchange (UUDEX) standard defines a flexible and secure methodology and protocol for the exchange of information between electric utility control centers and with other non-utility organizations that communicate with control centers such as public safety answer points and government agencies. The standard includes both the workflow and recommended information exchange descriptions to support interoperability.

**Action:** BSR/IEEE C37.119-202x, Guide for Power System Circuit Breaker Failure Protection (revision of ANSI/IEEE C37.119-2016)

Stakeholders: Power System Protection Engineers and Equipment Manufacturers

**Project Need:** Revision of this standard is needed to include additional types of applications and to update and provide additional information pertaining to new technologies.

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

**Scope:** This guide describes methods to protect a power system and its components from consequences resulting

from a circuit breaker failure to operate (open or close) when called upon by protection or control systems. The guide explains how to detect a breaker that has failed to operate and the actions to address the failure.

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

Aga Golriz; Aga.golriz@necanet.org | 1201 Pennsylvania Avenue, Suite 1200 | Washington, DC 20004 www.neca-neis.org

**Action:** BSR/NECA 91-202x, Recommended Practices for Maintaining Electrical Equipment (new standard) **Stakeholders:** Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

**Project Need:** National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by maintaining electrical equipment, products and systems in a manner that constitutes good workmanship. How to accomplish good workmanship in electrical construction is not included in NFPA 70B. the standard.

Interest Categories: Construction, General Interest, Producer, Government

**Scope:** This Recommended Practice describes quality, performance, and workmanship aspects of general maintenance procedures for operating, servicing, inspecting, testing, maintaining, calibrating, repairing, and reconditioning building electrical systems, equipment, and components and is intended to provide information on how to accomplish maintenance of electrical equipment that aligns with NFPA 70B, Standard for Electrical Equipment Maintenance. This Recommended Practice essentially includes industry-accepted practices and is intended to be used in conjunction with equipment-specific manufacturer instructions.

**Action:** BSR/NECA 130-202x, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2016)

**Stakeholders:** Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

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

Interest Categories: Construction, Producers, General Interest, Government

**Scope:** This standard describes the installation and maintenance procedures for wiring devices.

**Action:** BSR/NECA 416-202x, Recommended Practice for Installing Energy Storage Systems (ESS) (revision of ANSI/NECA 416-2016)

**Stakeholders:** Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

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

Interest Categories: Construction, Producer, General Interest, Government

**Scope:** This Recommended Practice describes installation practices for Energy Storage Systems (ESS) such as battery systems, flywheels, ultra-capacitors, and smart chargers used for electric vehicle (EV) vehicle-to-grid (V2G) applications.

#### **NFPA (National Fire Protection Association)**

Contact: Dawn Michele Bellis; dbellis@nfpa.org | One Batterymarch Park | Quincy, MA 02169 www.nfpa.org

**Action:** BSR/NFPA 791-202x, Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation (revision of ANSI/NFPA 791-2021 (R2024))

**Stakeholders:** Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

**Project Need:** Public interest and need.

**Interest Categories:** Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link https://www.nfpa.org/tcclass for more information about our classifications **Scope:** 1.1 Scope. 1.1.1 This document covers recommended procedures for evaluating unlabeled electrical equipment in conjunction with nationally recognized standard(s) applicable to the subject equipment and any requirements of the authority having jurisdiction (AHJ). 1.1.2 This document does not cover procedures for the evaluation of third-party certification programs that result in listed and labeled equipment.

#### **Announced 05 August 2022**

#### **ECIA (Electronic Components Industry Association)**

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

**Action:** BSR/EIA 364-02D-2012 (R202x), Air Leakage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-02D-2012 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

**Scope:** This standard establishes a method to determine the integrity of the seal of the shell, insert and contact interfaces in an electrical connector.

**Action:** BSR/EIA 364-06C-2006 (R202x), Contact Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-06C-2006 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

**Scope:** This standard establishes test methods to determine the resistance of mated connector contacts attached to lengths of wire by measuring the voltage drop across the contacts while they are carrying a specified current.

**Action:** BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a method to determine the effects caused by subjecting electrical connectors or contacts to the conditioning action of mating and unmating, simulating the expected life of the connectors.

Action: BSR/EIA 364-23C-2006 (R202x), Low Level Contact Resistance Test Procedure for Electrical Connectors

and Sockets (reaffirmation of ANSI/EIA 364-23C-2006 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure may apply to any type or combination of current carrying members such as pin and socket contacts, relay contacts, wire and crimp connectors, or printed circuit board and contact.

Action: BSR/EIA 364-35C-2012 (R202x), Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-35C-2012 (R2017))

**Stakeholders:** Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

**Interest Categories:** User, Producer, General Interest

Scope: This standard establishes a method to determine the ability of an insert to withstand axial forces in electrical connectors.

Action: BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical

Connectors (reaffirmation of ANSI/EIA 364-57A-2017)

**Stakeholders:** Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User. Producer. General Interest

Scope: This test procedure establishes a test method to determine whether coupling pin strength can withstand external forces required to mate and unmate circular bayonet electrical connectors with gages or devices.

Action: BSR/EIA 364-87B-2017 (R202x), Nanosecond Event Detection Test Procedure for Electrical Connectors,

Contacts and Sockets (reaffirmation of ANSI/EIA 364-87B-2017)

**Stakeholders:** Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard. Interest Categories: User, Producer, General Interest

Scope: The object of this procedure is to define methods for detecting events that can be as short as 1

nanosecond.

Action: BSR/EIA 364-96A-2017 (R202x), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96A-2017)

**Stakeholders:** Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test method applies to compliant pins inserted in printed circuit boards with plated-throughholes (PTH).

Action: BSR/EIA 364-114-2010 (R202x), Coupling and Uncoupling Force Test Procedure for Electrical Connectors, Sockets, and Applicable Accessories (reaffirmation of ANSI/EIA 364-114-2010 (R2017))

Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure establishes a test method to determine the coupling/uncoupling forces required to couple and uncouple circular electrical connectors, sockets, and applicable accessories.

Action: BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors,

Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017) Stakeholders: Electronics, electrical and telecommunications industries

**Project Need:** Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

**Scope:** This standard applies to electrical connectors, sockets, and coaxial contacts.

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

Lisa Weisser; I.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Action: BSR/IEEE 1936.1-202x, Standard for Drone Applications Framework (new standard)

Stakeholders: Drone manufactures, Drone operators, Drone drivers, Drone users, air traffic control bureau.

Project Need: This standard is needed in view of multiplicity of proprietary solutions for specific drone

applications on the global market. Standard framework for support of drone application and application classes will allow solutions based on components from multiplicity of suppliers.

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

**Scope:** The standard establishes a framework for support of drone applications. It specifies drone application classes and application scenarios and the required application execution environments.

**Action:** BSR/IEEE 1939.1-202x, Standard for a Framework for Structuring Low Altitude Airspace for Unmanned Aerial Vehicle (UAV) Operations (new standard)

**Stakeholders:** Drone manufacturers Drone operators, Drone drivers, Drone users, Air traffic control bureau. **Project Need:** With rapid proliferation of Unmanned Aerial Vehicle (UAV) applications that operate in low-attitude airspace, safety considerations require structuring of the airspace and appropriate standardized UAV capabilities and infrastructure for compliance with regulations and safe UAV operations.

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

**Scope:** This standard defines a structure for low altitude airspace that enables safe and efficient Unmanned Aerial Vehicle (UAV) traffic management. It defines UAV capabilities and related infrastructure for UAVs to operate in and comply with low-altitude air-space regulations.

#### **Final actions on American National Standards**

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted. "Final actions" means "done for now." No standard is really ever finished.

# ANSI/ASSP Z359.13-2013 (R2022), Personal Energy Absorbers and Energy Absorbing Lanyards (reaffirmation of ANSI/ASSE Z359.13-2013)

Final Action Date: 7/26/2022

ANSI/ATIS 0300097-2022, Structure for the Identification of Communications Connections for Information Exchange (revision of ANSI/ATIS 0300097-2017)

Final Action Date: 7/21/2022

ANSI/IES RP-38-2017 (R2022), Recommended Practice: Lighting Performance for Small to Medium Sized Video Conferencing Rooms (reaffirmation of ANSI/IES RP-38-2017)

Final Action Date: 7/22/2022

ANSI C136.1-2012 (S2022), Filament Lamps - A Guide for Selection (stabilized maintenance of ANSI C136.1

-2012 (R2018))

Final Action Date: 7/21/2022

ANSI/TIA 568.0-E-1-2022, Generic Telecommunications Cabling for Customer Premises; Addendum 1:

Balanced Single Twisted-pair Cabling (addenda to ANSI/TIA 568.1-E-2020)

Final Action Date: 7/22/2022

ANSI/UL 60947-4-1-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters (national adoption of IEC 60947-4-1 with modifications and revision of ANSI/UL 60947-4-1-2017)

Final Action Date: 5/31/2022

ANSI/UL 60947-4-2-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption of

IEC 60947-4-2 with modifications and revision of ANSI/UL 60947-4-2-2014)

Final Action Date: 5/31/2022

ANSI/UL 60947-5-1-2022, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices (national

adoption of IEC 60947-5-1 with modifications and revision of ANSI/UL 60947-5-1-2014)

Final Action Date: 5/31/2022

ANSI/UL 498-2022, Standard for Safety For Attachment Plugs and Receptacles (revision of ANSI/UL 498-

2021)

Final Action Date: 7/20/2022

ANSI/UL 508A-2022, Standard for Safety for Industrial Control Panels (revision of ANSI/UL 508A-2020)

Final Action Date: 7/21/2022

ANSI/UL 497-2004 (R2022), Protectors for Paired-Conductor Communications Circuits (reaffirmation of

ANSI/UL 497-2004 (R2017)) **Final Action Date:** 7/25/2022

ANSI/UL 1059-2022, Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2021)

Final Action Date: 7/28/2022

ANSI/UL 1565-2022, Standard for Safety for Positioning Devices (revision of ANSI/UL 1565-2013 (R2017))

Final Action Date: 7/29/2022

# Call for members (ANSI consensus bodies)

The following ANS consensus bodies are soliciting for new members who are directly and materially interested parties to participate in the listed standards development activities. Contact the sponsoring developer for more information.

#### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | Idonohoe@ecianow.org, www.ecianow.org

BSR/EIA 364-02D-2012 (R202x), Air Leakage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-02D-2012 (R2017))

BSR/EIA 364-06C-2006 (R202x), Contact Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-06C-2006 (R2017))

BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)

BSR/EIA 364-23C-2006 (R202x), Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA-364-23C-2006 (R2017))

BSR/EIA 364-35C-2012 (R202x), Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-35C-2012 (R2017))

BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical Connectors (reaffirmation of ANSI/EIA 364-57A-2017)

BSR/EIA 364-83A-2017 (R202x), Shell-to-Shell and Shell-to-Bulkhead Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-83A-2017)

BSR/EIA 364-87B-2017 (R202x), Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-87B-2017)

BSR/EIA 364-96A-2017 (R202x), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96A-2017)

BSR/EIA 364-114-2010 (R202x), Coupling and Uncoupling Force Test Procedure for Electrical Connectors, Sockets, and Applicable Accessories (reaffirmation of ANSI/EIA 364-114-2010 (R2017))

BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017)

#### **IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES LS-1-22-202x, Lighting Science: Nomenclature & Definitions (revision of ANSI/IES LS 1-2020)

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

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Aga.golriz@necanet.org, www.neca-neis.org

BSR/NECA 91-202x, Recommended Practices for Maintaining Electrical Equipment (new standard)

BSR/NECA 130-202x, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2016)

#### **Draft IEC & ISO documents**

This section lists proposed documents that the IEC or the ISO or both are considering for approval and that may be of interest to *Standards Watch readers*. Anyone interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to the ISO Team (<a href="mailto:isot@ansi.org">isot@ansi.org</a>). The comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document; other formats will not be accepted. US comments should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (<a href="mailto:tzertuche@ansi.org">tzertuche@ansi.org</a>). Any prices shown are for purchases through ANSI. (Not all have prices.) Some of the due dates are in the past, but the dates shown are what were given.

#### IEC documents for comment

**48B/2976/FDIS, IEC 60512-27-200 ED1:** Connectors for electrical and electronic equipment - Tests and measurements - Part 27-200: Additional specifications for signal integrity tests up to 2 000 MHz on IEC 60603-7 series connectors - Tests 27a to 27g, 08/26/2022

**100/3798(F)/FDIS, IEC 63207 ED1:** Measurement methods of blue light characteristics and related optical performance for visual display terminals, 08/19/2022

**34A/2291/FDIS, IEC 63286 ED1:** Flexible organic light emitting diode (OLED) panels for general lighting – Performance requirements, 08/26/2022

**110/1445/DTR, IEC TR 62595-1-5 ED1:** Display lighting unit - Part 1-5: Electrical signal interface of LED BLU, 09/09/2022

**48B/2978/NP, PNW 48B-2978 ED1:** CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT PRODUCT REQUIREMENTS Part 61076 8 XXX: Power connectors Detail specification for 2P power plus 2P

signal plastic housing rectangular shielded connectors with 300A rated current and IP68/IPXXB degree of protection, 10/07/2022

**48B/2979/NP, PNW 48B-2979 ED1:** Connectors for electrical and electronic equipment - Product requirements Part 8-XXX: Power connectors- Detail specification for 3-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 20A, 10/07/2022

**48B/2980/NP, PNW 48B-2980 ED1:** Connectors for electrical and electronic equipment - Product requirements Part 8-XXX: Power connectors - Detail specification for 2-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 50 A, 10/07/2022

**100/3799(F)/FDIS**, **IEC 63254 ED1**: Management and interfaces for WPT - Device-to-device wireless charging (D2DWC) for mobile devices with wireless power TX/RX module, 08/19/2022

**110/1434/CDV**, **IEC 62908-12-10 ED2**: Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, 10/21/2022

**34A/2294/CD, IEC 63356-1/AMD1 ED1:** Amendment 1 – LED light source characteristics - Part 1: Data sheets, 10/21/2022

JTC1-SC41/299/CD, ISO/IEC 30141 ED2: Internet of Things (IoT) - Reference architecture, 09/23/2022 ISO documents for comment

**ISO/DIS 10534-2**, Acoustics - Determination of acoustic properties in impedance tubes - Part 2: Two-microphone technique for normal sound absorption coefficient and normal surface impedance - 10/9/2022, \$98.00

**ISO/IEC DIS 15938-18**, Information technology – Multimedia content description interface - Part 18: Conformance and reference software for compression of neural networks - 5/26/2022, \$82.00

**ISO/IEC FDIS 23090-16**, Information technology – Coded representation of immersive media - Part 16: Reference software for versatile video coding - 5/10/2021, \$29.00

ISO/DIS 3444, Stainless steel wire ropes - 5/28/2022, \$71.00

# Recently published IEC & ISO documents

Listed here are documents recently approved by the IEC or ISO and listed in ANSI's *Standards Action* that may be of use or interest to *Standards Watch* readers. Prices shown are for purchases from the ANSI Webstore.

**ISO 21420:2020/Amd 1:2022,** - Amendment 1: Protective gloves - General requirements and test methods - Amendment 1, \$20.00

**ISO 17636-1:2022,** Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film, \$200.00

**IEC 62394 Ed. 4.0 en:2022,** Service diagnostic interface for consumer electronics products and networks – Implementation for ECHONET, \$443.00

IEC 63145-1-2 Ed. 1.0 en:2022, Eyewear display - Part 1-2: Generic - Terminology, \$133.00

IEC 60825-4 Ed. 3.0 b:2022, Safety of laser products - Part 4: Laser guards, \$392.00 S+ IEC 60825-4 Ed. 3.0 en:2022 (Redline version), Safety of laser products - Part 4: Laser guards, \$510.00

**ISO/IEC TR 19583-21:2022,** Information technology – Concepts and usage of metadata - Part 21: 11179-3 Data model in SQL, \$225.00

ISO/IEC/IEEE 8802-11:2022, Telecommunications and information exchange between systems - Specific requirements for local and metropolitan area networks - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications, \$250.00

#### **ESTA Standards Watch**

is distributed as a benefit to ESTA members and as a communication medium for participants in ESTA's Technical Standards Program. Original material is copyright ESTA.

#### **Editors:**

Karl G. Ruling, Senior Technical Standards Manager ESTA, Technical Standards Program PO Box 23200
Brooklyn, NY 11202-3200 USA karl.ruling@esta.org
1 212 244 1505 ext. 703

Richard Nix, Asst. Technical Standards Manager ESTA, Technical Standards Program PO Box 23200 Brooklyn, NY 11202-3200 USA richard.nix@esta.org 1 212 244 1505 ext. 649

If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to <u>standards@esta.org</u>. The archive of *Standards Watch* issues back to the beginning of 2011 is available at <a href="http://estalink.us/nn7a1">http://estalink.us/nn7a1</a>.

# TSP meeting schedule

The following meetings are scheduled for 15-18 September at the Marriott D/FW Westlake in Westlake, Texas, with attendance being in-person and via WebEx. Visit <a href="https://www.esta.org/ESTA/meetings.php">https://www.esta.org/ESTA/meetings.php</a> for details.

Control Protocols Working Group	09:00 - 13:00 CDT	Saturday 17 September
CPWG Plugfest	09:00 - 23:00 CDT	Friday 16 September
CPWG Plugfest	09:00 - 23:00 CDT	Saturday 17 September
CPWG Plugfest	09:00 - 23:00 CDT	Sunday 18 September
Electrical Power Working Group	19:00 – 23:00 CDT	Friday 16 September
Event Safety Working Group	14:00 – 18:00 CDT	Saturday 17 September
Floors Working Group	09:00 - 13:00 CDT	Friday 16 September
Fog & Smoke Working Group	14:00 – 18:00 CDT	Thursday 15 September
Followspot Positions Working Group	16:00 – 18:00 CDT	Friday 16 September
Rigging Working Group	19:00 – 23:00 CDT	Saturday 17 September
Stage Machinery Working Group	19:00 – 23:00 CDT	Thursday 15 September
Technical Standards Council	09:00 - 13:00 CDT	Sunday 18 September

The Photometrics Working Group will meet the following week via WebEx.

Photometrics Working Group	19:00 – 22:00 EDT	Thursday 22 September
----------------------------	-------------------	-----------------------

# Investors in Innovation, supporters of ESTA's Technical Standards Program

This lists the donors who have made contributions in the last 12 months.

VISIONARY LEADERS (\$50,000 & up)

**ETC PLASA** 

VISIONARY (\$10,000 & up; >100 employees/members)

Cisco

Columbus McKinnon Entertainment Technology

VISIONARY (\$5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.

McLaren Engineering Group

Rose Brand

Stage Rigging

VISIONARY (\$500 & up; <20 employees/members)

About the Stage B-Hive Industries, Inc.

Scott Blair **Boston Illumination Group** 

Candela Controls, Inc. Clark Reder Engineering

Tracey Cosgrove & Mark McKinney

Doug Fleenor Design

Down Stage Right Industries Ltd. **EGI Event Production Services Entertainment Project Services** 

Neil Huff

Interactive Technologies iStudio Projects Jules Lauve

**Brian Lawlor** 

Disney Parks Live Entertainment

Theatre Projects

Theatre Safety Programs

TMB

Michael Lay

Link

John T. McGraw Mike Garl Consulting Mike Wood Consulting

Lizz Pitsley Reed Rigging

Reliable Design Services

Alan Rowe

Sapsis Rigging Inc. SBS Lighting

Steve A. Walker Associates

Dana Taylor Steve Terry Vertigo

WNP Services

**INVESTOR** (\$3,000–\$9,999; >100 employees/members)

Actors' Equity Association

Golden Sea Professional Lighting Provider

IATSE Local 728 IATSE Local 891

**INVESTOR** (\$1,500–\$4,999; 20–100 employees/members)

American Society of Theatre Consultants

Area Four Industries

**BMI Supply** 

City Theatrical Inc.

H&H Specialties, Inc.

**INVESTOR** (\$200–\$499; <20 employees/members)

Baxter Controls, Inc. ChamSix

Concept Smoke Systems Ltd. Bruce William Darden

Ian Foulds Liberal Logic, Inc.

Luminator Technology Group

NAMM

Lex

Texas Scenic Company

InterAmerica Stage, Inc. Lycian Stage Lighting

Niscon Inc.

Tomcat Staging, Lighting and Support Systems

Jessica Sanders

Sehr Gute GmbH **David Thomas** Techni-Lux

Tracy Underhill Ralph Weber

**SUPPORTER** (\$50 - \$2,999; >100 employees/members)

Harlequin Floors

**SUPPORTER** (\$50 - \$1,499; 20–100 employees/members)

High Output Stagemaker

InCord Syracuse Scenery and Stage Lighting Co., Inc.

iWeiss Vincent Lighting Systems

Oasis Stage Werks Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.

Co.

SUPPORTER (\$50 - \$199; <20 employees/members)

Chip Scott Lighting Design
Beverly and Tom Inglesby
Bill McCord
Motion FX

KASUGA Shanxi Tian Gong Sheng Optoelectronic Equipment

Luminator Technology Group Technology Co.

Sigma Net

Extraordinary legacy gift: Ken Vannice

You can make a donation by visiting <a href="https://tsp.esta.org/tsp/inv">https://tsp.esta.org/tsp/inv</a> in innovation/sponsor.html.

Become an Investor in Innovation!