

ESTA Standards Watch

March 2024 Volume 28. Number 5

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NATEAC registration open to the public

NATEAC general registration is open today, Monday, March 18. Conference passes are \$850.

The 2024 NATEAC conference features two full days of high-level sessions on the topic of Access, as well as the fan-favorite kickoff harbor cruise Saturday night, the Behind the Scenes Charity Dinner at a brand-new location on Sunday night, an after-party on Monday night—post education sessions—and the NATEAC Tuesday Tours, where attendees can tour some of the most state-of-the-art performance spaces in the city. Charity dinner tickets are \$175 each and may be purchased during NATEAC registration. Proceeds from ticket sales will be donated to help BTS in their mission to fund grants for industry workers who are seriously ill or injured.

Seven ESTA standards in public review

Seven ESTA standards are in public review at http://estalink.us/pr. Comments are due BEFORE 8 April 2024.

BSR ES1.2-202x, Event Safety - Planning and Management (new standard)

This standard gives overall guidance on the general aspects of planning and management for special events.

BSR E1.64-202x, Stage Machinery Motion Control (new standard)

This document provides a common standard of design, operation, maintenance and practices for the control of all stage machinery. It offers a complete look at how stage machinery is controlled in the Entertainment Industry. It addresses control schema requirements, from the Operator Interface (pushbuttons, software, touch surface) through the wiring (data or discrete I/O) along the path to the controller (analog, digital, relay coils), through the controller output and along a second path of wiring (machine power, data, analog signals, discrete I/O), to the machine. The document provides advice and guidance on usage of drives, contactors, emergency stop systems, cable termination, cable selection, data transmission and operator interfaces.

BSR E1.30-11-2019 (R202x), EPI 33. ACN Root Layer Protocol Operation on TCP (reaffirmation of ANSI E1.30-11-2019)

ANSI E1.30-11-2019 (EPI 33) specifies the operation and formats for the ACN Root Layer Protocol [Arch] operating on [TCP].

BSR E1.20-202x, Entertainment Technology - RDM-Remote Device Management over USITT DMX512 Networks (revision of ANSI E1.20-2010)

This standard describes a method of bi-directional communications over a USITT DMX512/1990 or ANSI E1.11 - 2004 data link between an entertainment lighting controller and one or more remotely controlled lighting devices. The protocol was written to work with the ANSI E1.11-2004 control standard, but will work equally well with the current 2009 version of E1.11. It allows discovery of devices on a DMX512/E1.11 network and the remote setting of DMX starting addresses, as well as status and fault reporting back to the control console.

BSR E1.43-202x, **Entertainment Technology - Performer Flying Systems** (revision of ANSI E1.43-2016) This standard establishes a minimum level of performance parameters for the design, manufacture, use, and maintenance of performer flying systems used in the production of entertainment events. The purpose of this guidance is to achieve the adequate strength, reliability, and safety of these systems to ensure safety of the performer, other production personnel, and audiences under all circumstances associated with performer flying.

BSR E1.51-202x, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance and Event Industries in Canada (revision of ANSI E1.51-2018)

This standard gives guidance on how to safely use single-conductor portable power feeder cable, a power distribution technique about which the Canadian Electrical Code is largely silent.

BSR E1.60-202x, Guidelines for the Use of Raked Stages in Live Performance Environments (revision of ANSI E1.60-2018)

This standard provides guidance for the use of raked stages in live performance environments to mitigate the risks for the protection of actors and technicians.

Protect Duty (Martyn's Law) Consultation

A standard tier consultation has now been launched prior to the finalisation of legislation covering the Terrorism (PoP) Bill. The consultation runs until Monday 18 March 2024 and takes the form of a questionnaire with space to provide a written response to justify the selection and offer extra insight. The proposed legislation will have implications for venues/events.

Access the consultation at https://www.gov.uk/government/consultations/martyns-law-standard-tier-consultation

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 31 March 2024

BSR/UL 2684-202x, Standard for Video and Thermal Detectors for Fire Alarm Systems (new standard)

This Standard sets forth requirements for video and thermal image fire detectors and accessories for nondwelling units, including mechanical guards to be employed in indoor locations (for video and thermal) and outdoor (for thermal).

Request a copy and send comments (copy psa@ansi.org) at: csds.ul.com

BSR/UL 489-202x, Standard for Standard for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures (revision of ANSI/UL 489-2019)

This purpose of this revision is to revise the 13th edition of UL 489 and propose the 14th edition as a standard. Send comments (copy psa@ansi.org) to: Roger Pareja; roger.pareja@ul.org

BSR/UL 3100-202x, Standard for Safety for Automated Mobile Platforms (AMPs) (revision of ANSI/UL 3100 -2023)

The following is being recirculated for your review: (1) Revise on board charger and charging station requirements Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Due 15 April 2024

BSR/EIA 364-01B-2000 (R202x), Acceleration Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-01B-2000 (R2019))

This standard establishes test methods to determine the ability of an electrical connector and pockets to withstand a specified acceleration force without damage detrimental to its specified performance.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/EIA 364-07C-2007 (R202x), Contact Axial Concentricity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-07C-2007 (R2019))

This standard establishes a test method to determine the straightness of contacts by measuring a total indicator reading (TIR) value. Axial concentricity can be measured after crimping to determine axial deformation.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/EIA 364-20F-2019 (R202x), Dielectric Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-20F-2019)

The object of this test is to describe a method for measuring the dielectric withstanding voltage.

Single copy price: \$81.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/EIA 364-22B-2000 (R202x), Simulated Life Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-22B-2000 (R2019))

This standard establishes test methods to determine the adequacy of a connector or socket to perform its operational function on land (general and heavy duty), aircraft, marine or underwater for the representative time period of application. This method shall not be used prior to low-level measurement in accordance with EIA 364-23.

Single copy price: \$79.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/EIA 364-119-2019 (R202x), Removal Tool Rotation Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-119-2019)

This test standard establishes a test method to determine if the removal tool rotation that is used to remove a contact from a connector, produces evidence of damage to the contacts, the connector insert, or the contact retaining mechanism.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/EIA 364-1000B-2019 (R202x), Environmental Test Methodology for Assessing the Performance of Electrical Connectors and Sockets Used in Controlled Environment Applications (reaffirmation of ANSI/EIA 364-1000B-2019)

This standard establishes the test procedures and test sequences to be followed when evaluating the performance of electrical connectors and sockets used in controlled environments. Furthermore, it applies to contacts operating under low level circuit conditions. The assumption is made that the contacts are metal.

Polymer contacts, or other contact types, may require a different test methodology.

Single copy price: \$101.00

Obtain an electronic copy from: global.ihs.com

Send comments (copy psa@ansi.org) to: emikoski@ecianow.org

BSR/UL 5C-2016 (R202x), Standard for Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits (reaffirmation of ANSI/UL 5C-2016 (R2020))

Single copy price: Free

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

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

BSR/UL 209-2016 (R202x), Standard for Cellular Metal Floor Raceways and Fittings (reaffirmation of ANSI/UL 209-2016 (R2020))

Single copy price: Free

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

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

BSR/UL 884-2016 (R202x), Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016 (R2020))

Single copy price: Free

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

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

Due 22 April 2024

BSR/ASTM E18-202x, Test Methods for Rockwell Hardness of Metallic Materials (revision of ANSI/ASTM E18-2022)

https://www.astm.org/get-involved/technical-committees/ansi-review

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: accreditation@astm.org

BSR/ASTM E23-202x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2023A)

https://www.astm.org/get-involved/technical-committees/ansi-review

Single copy price: Free

Obtain an electronic copy from: accreditation@astm.org

Send comments (copy psa@ansi.org) to: accreditation@astm.org

BSR/EIA 364-23E-202x, Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-23D-2022)

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.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

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

BSR/IES TM-30-202x, IES Method for Evaluating Light Source Color Rendition (revision of ANSI/IES TM-30-2018)

This document is a tool comprising a set of measures that are all based on a standardized calculation procedure. The method is based on theoretically comparing the appearance of a set of color samples as rendered by a test light source and a reference illuminant, quantified with a model of human vision. Thus, the method includes three primary components: a system for defining the reference illuminant, specification of the color samples, and implementation of a model of human vision. An overview of each component is provided here. The method described in this document compares color samples as rendered by a given test source and a reference illuminant at the same correlated color temperature (CCT), with the reference illuminant being Planckian radiation up to and including 4000 K, a proportional blend of Planckian radiation and a CIE D Series Illuminant between 4001 K and 4999 K, or a CIE daylight (D) series illuminant at or above 5000 K.

Single copy price: \$25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

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

BSR C136.3-202X, Roadway and Area Lighting Equipment - Luminaire Attachments (revision of ANSI C136.3-2020)

This Standard covers attachment features of luminaires used in roadway and area lighting equipment. The features covered apply to luminaires that are side, post-top, or pendant-mounted.

Single copy price: \$53.00

Obtain an electronic copy from: david.richmond@nema.org

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

BSR C136.25-202X, Roadway and Area Lighting - Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures and Devices (revision of ANSI C136.25-2019)

This Standard details the requirements for ingress protection of luminaires in roadway and area lighting equipment, installed for their intended use and specified by end-user. While these requirements are suitable for most types of lighting equipment, it should not be assumed that all the listed degrees of protection apply to a particular type of equipment. The manufacturer of the equipment should be consulted to determine the degrees of protection available.

Single copy price: \$100.00

Obtain an electronic copy from: david.richmond@nema.org

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

BSR/UL 580-2009 (R202x), Standard for Safety for Tests for Uplift Resistance of Roof Assemblies (reaffirmation of ANSI/UL 580-2009 (R2019))

The method of test specified in this standard is intended to determine the uplift resistance of roof assemblies consisting of the roof deck and roof covering materials. It is applicable to any type of roof assembly which is adaptable to the test equipment. Tests to evaluate other potential hazards of roof assemblies are not within the scope of these requirements. 1.2 The purpose of this test is to evaluate the comparative resistance of roof assemblies to positive and negative pressures. 1.3 The test evaluates the roof deck, its attachment to supports, and roof covering materials. It does not evaluate roofs adjacent to chimneys, overhanging eaves, or similar construction, connections of the assembly to main structural supports (girders, columns, or other supports), structural integrity of secondary supports (purlins, joists, bulb tees, or the like), or deterioration of roofing materials.

Single copy price: Free

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

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into

the CSDS Work Area: https://csds.ul.com/ProposalAvailable

CSA public review announcements

The CSA Group has announced proposals that might be of interest to Standards Watch readers. To participate in CSA public reviews, please visit http://publicreview.csa.ca/.

Due 6 May 2024

C22.2 No. 37 Decorative lighting products (New Edition)

This Standard applies to decorative lighting strings, decorative lighting outfits, pre-lit trees, and accessories, intended for seasonal or commercial use connected to circuits of 120 V nominal or less by means of an attachment plug, and designed to be used in accordance with the rules of the *Canadian Electrical Code, Part I*, in non-hazardous locations.

Z259.20 Horizontal Rigid Rail Anchorage Subsystem (New Standard)

This standard provides requirements related to the performance, design, testing, labelling, and provision of instructions for manufactured horizontal rigid rail anchorage subsystems including the trolleys.

Due 11 May 2024

C22.2 No. 65 Wire connectors (New Edition)

This Standard applies to single-polarity connectors for use with all alloys of copper or aluminum clad aluminum conductors, or all three, for providing contacts between current-carrying parts, in accordance with the Canadian Electrical Code, Part I, C22.1, in Canada, the National Electrical Code 70, in the United States of America, or the Standard for Electrical Installations

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.

INCITS/ISO/IEC 13818-1:2023 [202x], Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems (identical national adoption of ISO/IEC 13818-1:2023 and revision of INCITS/ISO/IEC 13818-1:2019 [2019], INCITS/ISO/IEC 13818-1:2019/AM1:2020 [2021], INCITS/ISO/IEC 13818 -1:2019/COR1:2020 [2021])

Specifies the system layer of the coding. It was developed principally to support the combination of the video and audio coding methods defined in Parts 2 and 3 of ISO/IEC 13818. The system layer supports six basic functions: the synchronization of multiple compressed streams on decoding; the interleaving of multiple compressed streams into a single stream; the initialization of buffering for decoding start up; continuous buffer management; time identification; multiplexing and signalling of various components in a system stream. Contact Deborah Spittle <comments@standards.incits.org>

BSR/NEMA EVSE 40007-202X, Electric Vehicle Cable Management in Public Charging and Parking Spaces (new standard)

Defines best practices for functional management of EV cables in public charging/parking spaces. Contact Brian Doherty brian.doherty@nema.org>

BSR/NEMA EVSE 40011-202X, Bi-directional Electric Vehicle Charging and Power Export (new standard) Define bi-directional isolated AC and DC power export characteristics between an EVSE and a building. Standard will address: Performance validation for bidirectional charging, Power Flow Disturbance Management, Power Flow Load Management, Grid interactions, Transition between islanded operation and grid connected, and safety considerations (intersections with relevant articles of the NEC). Standard will align with existing UL Standards (i.e., UL 9741 and UL 1741 Supplement C). Contact Brian Doherty < brian.doherty@nema.org>

BSR/APCO/NPSTC 1.104.3-202X, Standard Channel Nomenclature for Public Safety Interoperability Channels (revision and redesignation of ANSI/APCO/NPSTC 1.104.2-2017)

This standard is revised and redesignated regarding common and interoperable public safety radio channel naming protocols and procedures updates the previously published standard. Contact Mindy Adams apcostandards@apcointl.org

BSR/ASSP Z244.1-202x, The Control of Hazardous Energy - Lockout, Tagout and Alternative Methods (revision and redesignation of ANSI/ASSP Z244.1-2016 (R2020))

This standard covers machines, equipment, and processes in which the unexpected energization or start-up of the machines or equipment, release of stored energy or the actions of persons could result in harm. This standard establishes requirements for the control of hazardous energy associated with machines, equipment or processes that could cause harm to personnel. The standard specifies the use of lockout, tagout or alternative methods to control hazardous energy associated with machines, equipment or processes that could cause harm to personnel. This standard applies to activities such as erecting, installing, constructing, repairing, adjusting, inspecting, unjamming, set-up, testing, troubleshooting, cleaning, dismantling, servicing and maintaining machines, equipment or processes. Contact Rick Blanchette <<u>rblanchette@assp.org</u>>

BSR/EIA 364-31G-202x, Humidity Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-31F-2019)

The purpose of these tests is to evaluate materials and/or connector/socket assemblies as they are impacted by the effects of high humidity and heat. These tests are intended to be non-condensing. Contact Laura Donohoe <ldonohoe@ecianow.org>

BSR/IEEE 45.7-202x, Recommended Practice for Electrical Installations on Shipboard - AC Switchboards (new standard)

This document provides recommendations for the design, installation, and testing of generator control panels and switchboards on ships. These recommendations reflect the present-day technologies, engineering methods, and engineering practices. Use of this document is intended to be used in conjunction with other standards of IEEE Std 45 series (IEEE Recommended Practice for Electric Installations on Shipboard). Contact Suzanne Merten <s.merten@ieee.org>

BSR/IEEE 2834.1-202x, Standard for Digital Forensics on Trusted Learning Systems (new standard) This standard specifies technical requirements on a forensic-investigation-ready infrastructure for learning systems. Contact Suzanne Merten <s.merten@ieee.orq>

BSR/IEEE 3453-202x, Guide for Evaluation and Application of Overall Measurement Uncertainty of Electrical Energy Metering Devices (new standard)

This guide provides calculation and evaluation methods for standard uncertainty components, combined standard uncertainty, and overall extended uncertainty, as well as determination methods for allowable comprehensive error limits, and optimal combination methods for energy meters, voltage transformers and current transformers of various phases for electric energy metering devices. These methods are based on the analysis of the sources of uncertainty of electric energy metering devices, including the error of the energy meter, transformer and the error of the secondary circuit voltage drop. The effects of load balancing characteristics, power factor and other measurement conditions are also considered. Therefore, the allowable comprehensive error limit and the optimal combination selection method of electric energy metering devices are given. This guide provides technical basis and scientific methods for the evaluation and control of the overall metering performance of electric energy metering devices, improving the accuracy and fairness of electric energy metering and trade settlement, and supporting the safe, economic and reliable operation of power grids. This guide is applicable to the evaluation and control of the overall metering performance for electric energy metering devices during their design, configuration, acceptance and operation. Contact Suzanne Merten <sach electric energy metering devices during their design, configuration, acceptance and operation. Contact Suzanne Merten <sach electric energy metering devices during their design, configuration, acceptance and operation. Contact Suzanne Merten <sach electric energy metering devices during their design, configuration, acceptance and operation. Contact Suzanne Merten <sach electric energy metering devices during their design.

BSR/IEEE 42024-202x, Standard for Enterprise, Systems and Software - Architecture Fundamentals (new standard)

This document specifies a core set of vocabulary, concepts and principles associated with the architecture practice for various kinds of entities, including enterprise, business component, capability area, mission, system, systems of systems, family of systems, infrastructure, product (goods or services), product line, service offering, software, technology and business domain. The vocabulary, concepts and principles apply within the context of:
- organizations that develop architecture;

- organizations that deliver enterprise constructs wider than, aligned with, or within the parent organization;
- organizations seeking sustained success through the implementation of architecture practice;
- organizations and interested parties seeking to improve communication through a common understanding of the vocabulary, concepts, and principles used in architecture description;
- organizations performing conformity assessments against the requirements of architecture-related standards and specifications;
- providers of architecture descriptions, guidelines, training, education, evaluation or recommendations in architecture practice;
- developers of architecture-related standards, architecture description languages, architecture modelling languages, reference architectures, reference models related to architecture, architecture frameworks and architecture-related tools and technologies. Contact Suzanne Merten <s.merten@ieee.org>

BSR/IEEE 42042-202x, Standard for Enterprise, Systems and Software - Reference Architectures (new standard)

This standard specifies the requirements to be satisfied by reference architectures (RA) applicable to entities of interest such as software, systems, enterprises, missions, systems of systems, families of systems, products (goods or services), product lines, technologies, and business domains. The application areas of this standard include the following: artificial intelligence (AI), machine learning (ML), Internet of Things (IoT), cloud computing, big data, smart cities, smart manufacturing, cybersecurity, digital twin, telecommunications, aerospace, defense, banking, finance, insurance, energy, automotive, logistics, hospitality, healthcare, supply chain, transportation, manufacturing and production, agriculture, and infrastructure. Some RAs are not specific to a domain of their application, rather they capture a domain of interest for many application areas, e.g., the domain of security architecture is relevant for many application areas. Contact Suzanne Merten <s.merten@ieee.org>

BSR/ISA 95.00.01 (IEC 62264-1 Mod)-202x, Enterprise-Control System Integration - Part 1: Models and Terminology (national adoption with modifications of IEC 62264-1)

This standard is Part 1 of a series of standards (ISA-95/IEC 62264) that defines the interfaces between enterprise activities and control activities. This Part 1 provides standard terminology and a consistent set of concepts and models for integrating control systems with enterprise systems that will improve communications between all parties involved. Contact Charley Robinson crobinson@isa.org>

BSR/ISEA Z89.1-202x, Industrial Head Protection (revision of ANSI/ISEA Z89.1-2014 (R2019))

This standard establishes minimum performance and labeling requirements for protective helmets used in industrial and occupational settings under normal temperature conditions and optionally at high and low temperatures and when worn in the reversed position. It also includes requirements for high-visibility helmets and specifies test methods for evaluating all requirements. Contact Hillary Woehrle <a href="https://example.com/hybrid/balancestates-normalized-setting

BSR/ISEA Z308.1-202x, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2021)

This standard establishes minimum performance requirements for first aid kits and their supplies that are intended for use in various work environments. Classification of first aid kits, designating the assortment of items and quantity of each item is based the complexity of the work environment and level of hazards. First aid kit containers are classified by portability, ability to be mounted, resistance to water and corrosion and impact resistance. Contact Hillary Woehrle hwoehrle@safetyequipment.org>

BSR/ISEA Z358.1-202x, Emergency Eyewash and Shower Equipment (revision of ANSI/ISEA Z358.1-2014 (R2020))

This standard establishes minimum performance and use requirements for eyewash and shower equipment for the emergency treatment of the eyes or body of a person who has been exposed to hazardous materials. It covers the following types of equipment: emergency showers, eyewashes, eye/face washes, and combination units. Contact Hillary Woehrle hwoehrle@safetyequipment.org>

INCITS 586-202x, Information technology - SCSI Primary Commands - 7 (SPC-7) (new standard)
SCSI Primary Commands - 7 (SPC-7) is the next generation of the Primary Commands. SPC-7 follows SPC6. The following items should be considered for inclusion in SPC-7: A new generation Command Duration Limits descriptors notation, Necessary support for ZBC-3, Add sense codes as requested, Support JEDEC UFS projects,

Other capabilities that may fit within the scope of this project. Contact Jennifer Garner < comments@standards.incits.org >

BSR/SDI SD-202x/S1, Supplement 1 to SDI SD-2022 Standard for Steel Deck (supplement to ANSI/SDI SD-2022)

This supplement to ANSI/SDI SD-2022 incorporates revisions and additions used for steel roof and floor deck design. Contact Thomas Sputo sputo50@gmail.com>

Projects Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

BSR/CTA 709.1-E-202x, Control Network Protocol Specification (revision and redesignation of ANSI/CTA 709.1-D -2014 (R2019))

Send comments (copy psa@ansi.org) to: Catrina Akers < cakers@cta.tech>

BSR/CTA 709.6-B-202x, Control Networking Protocol Specification - Part 6: Application Elements (revision and redesignation of ANSI/CTA 709.6-A-2021)

Send comments (copy psa@ansi.org) to: Catrina Akers <cakers@cta.tech>

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 ever finished.

ANSI/ASME B89.1.7-2009 (R2024), Performance Standard for Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2019)) Final Action Date: 26 February 2024

ANSI/BICSI 007-2024, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises (revision of ANSI/BICSI 007-2020) Final Action Date: 26 February 2024

ANSI/BICSI 008-2024, Wireless Local Area Network (WLAN) Systems Design and Implementation Best Practices (revision of ANSI/BICSI 008-2018) Final Action Date: 26 February 2024

ANSI/UL 60034-5-2024, Standard for Safety for Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) - Classification (identical national adoption of IEC 60034-5 and revision of ANSI/UL 60034-5-2019) Final Action Date: 17 January 2024

ANSI/UL 1283-2020 (R2024), Standard for Electromagnetic Interference Filters (reaffirmation of ANSI/UL 1283-2020) Final Action Date: 22 February 2024

ANSI/UL 935-2024, Standard for Fluorescent-Lamp Ballasts (revision of ANSI/UL 935-2014 (R2018)) Final Action Date: 23 February 2024

ANSI/APCO 1.113.2-2024, Public Safety Communications Incident Handling Process (revision and redesignation of ANSI/APCO 1.113.1-2019) Final Action Date: 27 February 2024

ANSI/E1.37-5-2024, General Purpose Messages for E1.20, RDM (new standard) Final Action Date: 26 February 2024

ANSI E1.5-2009 (R2024), Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2009 (R2018)) Final Action Date: 29 February 2024

ANSI E1.29-2009 (R2024), Product Safety Standard for Theatrical Fog Generators That Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Highly Refined Alkane Mineral Oil (reaffirmation of ANSI E1.29-2009 (R2018)) Final Action Date: 29 February 2024

ANSI E1.34-2009 (R2024), Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues (reaffirmation of ANSI E1.34-2009 (R2019)) Final Action Date: 29 February 2024

ANSI ICC A117.1-2024, Standard for Accessible and Usable Buildings and Facilities (supplement to ANSI/ICC A117.1-2017) Final Action Date: 27 February 2024

Draft IEC & ISO documents

This section lists documents reported in ANSI's *Standards Action* 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 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 ANSI's ISO Team (isot@ansi.org), and must be submitted electronically in the approved ISO template as a Word document. US comments on IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, sales@ansi.org.

46/981/CDV, **IEC 63466 ED1**: Leaky waveguide Part 1: Generic specification - General requirements and test methods, 17 May 2024

40/3119(F)/FDIS, IEC 60384-21 ED4: Fixed capacitors for use in electronic equipment - Part 21: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1, 22 March 2024

40/3120(F)/FDIS, IEC 60384-22 ED4: Fixed capacitors for use in electronic equipment - Part 22: Sectional specification – Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2, 22 March 2024

40/3115/CDV, IEC 62813 ED2: Lithium ion capacitors for use in electric and electronic equipment - Test methods for electrical characteristics, 17 May 2024

101/705A/FDIS, **IEC 61340-5-1 ED3**: Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements, 15 March 2024

112/635/CD, IEC 60216-1 ED7: Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results, 19 April 2024

112/631(F)/FDIS, IEC 62631-2-3 ED1: Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods, 15 March 2024

2/2183/CD, IEC 60034-30-1 ED2: Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code), 17 May 2024

2/2184/CD, IEC 60072-2 ED2: Dimensions and output series for rotating electrical machines - Part 2: Frame numbers 355 to 1000 and flange numbers 1180 to 2360, 17 May 2024

2/2180(F)/FDIS, IEC 60136 ED3: Dimensions, marking and testing of carbon brushes and dimensions of brush-holders for electrical machinery, 08 March 2024

116/740(F)/FDIS, IEC 62841-2-7 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirements for handheld spray guns, 29 March 2024

ISO/DIS 12895, Safety of machinery - Identification of whole body access and prevention of associated risk(s) – 17 May 2024, \$93.00

ISO/IEC 23001-17:2024/DAmd 1, - Amendment 1: Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format - Amendment 1: High precision timing tagging – 18 May 2024, \$40.00

46F/666(F)/FDIS, IEC 61169-69 ED1: Radio-frequency connectors - Part 69: Sectional specification for RF coaxial connectors with push on mating - Characteristic impedance 50 - (type SMP3), 22 March 2024

46/998/CD, **IEC 61935-4 ED1**: Specification for the testing of balanced and coxial information technology cabling-Part 4: Installed balanced single pair cabling as specified in ISO/IEC 11801-1 and related standards, 24 May 2024

108/816/CDV, IEC 62911 ED2: Audio, video and information technology equipment - Routine electrical safety testing in production, 24 May 2024

116/735/CDV, IEC 62841-2-24 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-24: Particular requirements for hand-held oscillating multifunction tools, 24 May 2024

Recently published ISO & IEC documents

Listed here are documents recently approved by the ISO or IEC 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 <u>ANSI Webstore</u>.

ISO 37001:2016/Amd 1:2024, - Amendment 1: Anti-bribery management systems - Requirements with guidance for use - Amendment 1: Climate action changes, FREE

ISO 37301:2021/Amd 1:2024, - Amendment 1: Compliance management systems - Requirements with guidance for use - Amendment 1: Climate action changes, FREE

ISO 21001:2018/Amd 1:2024, - Amendment 1: Educational organizations - Management systems for educational organizations - Requirements with guidance for use - Amendment 1: Climate action changes, FREE

ISO 45001:2018/Amd 1:2024, - Amendment 1: Occupational health and safety management systems - Requirements with guidance for use - Amendment 1: Climate action changes, FREE

ISO 21101:2014/Amd 1:2024, - Amendment 1: Adventure tourism - Safety management systems - Requirements - Amendment 1: Climate action changes, FREE

IEC 61169-10 Ed. 1.0 b:2024, Radio-frequency connectors – Part 10: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 3 mm (0,12 in) with snap-on coupling - Characteristic impedance 50 Ω (Type SMB), \$245.00

IEC 60227-1 Ed. 4.0 en:2024, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 1: General requirements, \$193.00

IEC 60227-3 Ed. 3.0 en:2024, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Nonsheathed cables for fixed wiring, \$193.00

IEC 60227-5 Ed. 4.0 en:2024, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords), \$245.00

IEC 60227-7 Ed. 2.0 en:2024, Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and unscreened with two or more conductors and of rated voltages up to and including 300/500 V, \$103.00

IEC 60227-1 Ed. 4.0 en:2024 (Redline version), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 1: General requirements, FREE

IEC 60227-3 Ed. 3.0 en:2024 (Redline version), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Non-sheathed cables for fixed wiring, FREE

IEC 60227-5 Ed. 4.0 en:2024 (Redline version), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords), \$416.00

IEC 60227-7 Ed. 2.0 en:2024 (Redline version), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and unscreened with two or more conductors and of rated voltages up to and including 300/500 V, FREE

IEC 61084-2-3 Amd.1 Ed. 1.0 b:2024, Amendment 1 – Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets, \$13.00

IEC 61084-2-3 Ed. 1.1 b:2024, Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets, \$277.00

IEC 62841-3-4 Amd.2 Ed. 1.0 b:2024, Amendment 2 – Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, \$26.00

IEC 62841-3-4 Ed. 1.2 b:2024, Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, \$386.00

IEC/TR 60728-201 Ed. 1.0 en:2024,

Cable networks for television signals, sound signals and interactive services – Part 201: A study of IPTV systems with examples and applications for optical broadcast services, \$444.00

ISO/IEC 23000-19:2024, Information technology – Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) for segmented media, \$278.00

ISO/IEC 23001-17:2024, Information technology - MPEG systems technologies - Part 17: Carriage of uncompressed video and images in ISO base media file format, \$223.00

IEC 61000-3-2 Amd.2 Ed. 5.0 b:2024, Amendment 2 - Electromagnetic compatibility (EMC) - Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), \$148.00

IEC 61000-3-2 Ed. 5.2 b:2024, Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), \$1030.00

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TSP meetings

The next set of TSP working group meetings are scheduled to coincide with The USITT Conference and Stage Expo in Seattle, Washington. Visit https://esta.org/ESTA/meetings.php for links to hotel booking, discounted flights through United Airlines, and the latest meeting schedule. The meetings will be at the Sheraton Grand Seattle.

Wednesday, March 20	9am - 1pm	TSP Control Protocols Working Group, Room - Metro B
	2pm - 5pm	TSP E1.31 Security Task Group, Room - Ballard
	6pm - 10pm	TSP Electrical Power Working Group, Room - Metro B
	7pm - 11pm	ESTA Board Meeting, Room - Ballard
Thursday, March 21	8am - 10:30am:	TSP E1.6-1 Powered Hoist Task Group, Room - Ballard
	10:30am - 2:30pm	TSP NextGen Overall Task Group, Room - Ballard
	11am - 2pm	TSP Rigging Working Group, Room - Metro B
	4pm - 8pm	ETCP Council, Room - Ballard
	6pm - 10pm	TSP Event Safety Working Group, Room - Metro B
Friday, March 22	8:30am - 10:30am	Members Advisory Committee, Room - Ballard
	10am - noon	TSP Floors Working Group, Room - Metro B
	10:30am - 1pm	TSP NextGen Task Group, Room - Ballard
	2pm - 4pm	TSP Stage Machinery Working Group, Room - Metro B
	2pm - 6pm	TSP E1.37-8 RDM IPv4/v6PIDS Task Group, Room - Ballard
	6pm - 10pm	TSP Weapons Safety Working Group, Room - Metro B
Saturday, March 23	9am - 1pm	TSP Technical Standards Council, Room - Metro B

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