



ESTA Standards Watch

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Eight standards in public review—a different eight

Eight draft ESTA standards are available for public review and comment on the ESTA website at <http://estalink.us/pr>. The downloads are free. One draft previously listed has timed-out; a new draft standard has been added. The documents in public review, sorted by comment due date, are:

BSR E1.20, Entertainment Technology -- Remote Device Management over USITT DMX512 Networks, is a revision of the existing E1.20 – 2010. The revision is to clarify ambiguities, fix bugs, and incorporate some additional features. E1.20 is an extension to USITT DMX512 and ANSI E1.11 that allows for bi-directional communication on the primary data link. This allows a controller to discover RDM-enabled devices on the link, to set starting addresses and other configuration settings, and to request status messages. The project also is to reinstate E1.20 as an American National Standard. It has lost that status due to being over-age. Comment no later than 28 November.

BSR E1.37-5, General Purpose Messages for E1.20, RDM, is to provide additional Get/Set parameter messages (PIDs) for use with the E1.20 Remote Device Management protocol. The public review package is a ZIP file with folders of 128 JSON examples. The standard is E1-37-5 General Purpose PIDs r30 2022-09-01.pdf.

Comments on any of the files are welcome, but only comments on E1-37-5 General Purpose PIDs r30 2022-09-01.pdf will be formally considered and resolved. Comment no later than 28 November 2022.

BSR E1.59, Entertainment Technology--Object Transform Protocol (OTP), describes a mechanism to transfer object transform information such as position, orientation and velocity over an IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. Data transmitted is intended to coordinate visual and audio elements of a production. The existing standard is being revised to include new modules for camera metadata. Comment no later than 28 November 2022.

BSR E1.41, Recommendation for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources, is intended to be used for the presentation of photometric data for luminaires employing solid state light sources used in the entertainment and performance industries. This standard defines photometric data that may be presented on documents purporting to accurately describe the photometric performance of these luminaires when producing white and colored light. Comment no later than 5 December 2022.

BSR E1.42 - 202x, Safety Standard for Entertainment Lifts, is a revision of ANSI E1.42-2018 Entertainment Technology - Design, Installation, and Use of Orchestra Pit Lifts. Stage and orchestra lifts are specifically excluded from ASME A17.1 Safety Code for Elevators and Escalators. The previous version provided a reference standard for the design, manufacture, installation, and inspection of orchestra pit lifts. This revision expands its scope to include stage lifts and other similar lifts. These lifts have widely varying requirements and operating conditions. Procedures for risk assessment and risk reduction have been added to accommodate these conditions. As a result, many sections have been reorganized and renumbered. To reflect the increased scope and more closely follow ASME A17.1, the title has also been changed to Safety Standard for Entertainment Lifts. Comment no later than 5 December 2022.

BSR ES1.5, Medical Preparedness, helps identify the steps necessary to create a reasonable level of protection from medical hazards that can be created by, exacerbated by, or cause effective treatment delay as a result of, the unique challenges & circumstances presented by the special event environment. Its scope includes the assessment of specific medical hazards, and also addresses the potential impact to local medical services, which may be temporarily impacted by the specific needs of the special event. Comment no later than 12 December 2022.

BSR ES1.40, Event Safety – Security, addresses the various guest services and crowd control aspects that are encompassed by "event security," all of which serve a common function of establishing the behavioral expectations for the event, ranging from permissible item possession, access control, and behavioral management, to crime prevention and an overall sense of safety for event attendees. This standard addresses both active and passive security considerations. It distinguishes between private security staff and law enforcement. This standard helps reduce the risk of harm to event attendees and to their property, while helping to improve their on-site experience. Comment no later than 12 December 2022.

BSR E1.71, Powered Curtain Machines, establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended for the movement of curtains. Curtains operated by these machines may be for scenery, performance, presentation, acoustical damping, museum exhibits, retail displays, and theatrical production. It includes the control systems, mechanical construction, and powertrain components of said machines. It also includes the track components that interact with the operating media, but does not include the curtain fabric construction, track, and load suspension system. It does not include curtain effect machines that require manually resetting or repositioning the curtain before the system may be used again. Comments are due no later than 25 December 2022. The listing will disappear on Boxing Day.

ANSI approves three more ESTA standards and they are published

During the last week of October ANSI's Board of Standards Review approved three ESTA Rigging Working Group standards. They are now published and available for free download at <http://tsp.esta.org/freestandards>. The standards also may be purchased for \$40 from [ANSI](#) or [IHS](#). The standards are:

ANSI E1.4-1 – 2022, Entertainment Technology - Manual Counterweight Rigging Systems, is a revision of the previous 2016 version. It applies to permanently installed, manually operated counterweight systems of stage rigging hardware for the raising, lowering, and suspension of scenery, lighting, and similar loads. The standard has been updated to reflect current technology, and no longer includes or recommends wire-guided systems for new installations.

ANSI E1.6-4 – 2022, Design, Inspection and Maintenance of Portable Fixed Speed Electric Chain Hoist Control Systems in the Entertainment Industry, is a revision of ANSI E1.6-4 - 2013, splitting its scope into two different documents for ease of future use and applicability. It establishes the minimum requirements for the design, inspection, and maintenance of Portable Fixed-Speed Electric Chain Hoist Control Systems in the Entertainment Industry. Other elements connected to Portable Chain Hoist Controllers such as the chain hoist, the electrical power system, the rigging, and the rigged load may be covered by other standards or codes of practice, and may also be required to be inspected by, or reviewed by, a local authority having jurisdiction. This standard is focused on control systems that are based on discrete signals that have a direct effect on the controlling relays, contactors, and indicators, without the aid of a Programmable Electronic System (PES). It is a companion document to ANSI E1.6-5 – 2022.

ANSI E1.6-5 – 2022, Selection and Use of Portable Fixed Speed Electric Chain Hoist Control Systems in the Entertainment Industry, establishes the minimum requirements for the selection and use of Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry. Other elements connected to Portable Chain Hoist Controllers such as the chain hoist, the electrical power system, the rigging, and the rigged load may be covered by other standards or codes of practice, and may also be required to be inspected by, or reviewed by, a local authority having jurisdiction. This standard is focused on control systems that are based on discrete signals that have a direct effect on the controlling relays, contactors, and indicators, without the aid of a Programmable Electronic System (PES). It is a companion document to ANSI E1.6-4 – 2022.

Two new ESTA Projects:

BSR E1.78, Weapons Safety in Entertainment Production

The purpose of this project is to create a guidance document for the safe use of weapons or weapon-like properties (props) in entertainment event productions. It would cover prop weapons such as those that look like firearms (whether capable of firing cartridges or not), edged weapons (e.g., swords and knives), and projectiles (e.g. arrows and darts). The standard would only cover weapons and weapon-like props used on stages, in motion picture studios, or on motion picture locations in the production of a staged or filmed event. It would not cover weapons used by security forces or carried by audience members or staff for personal protection. It also would not cover weapons used in sporting events, such as bullseye pistol or fencing competitions. The goal is to eliminate injuries and deaths from weapons or weapon-like props used in entertainment productions, such as stagings of “Hamlet” or “Of Mice and Men.” This is a project within a new Weapons Safety Working Group.

BSR E1.79, Television, Film, Live Performance, and Event Electrical Guidelines for Canada

A new project within ESTA's Electrical Power Working Group has been filed with ANSI: BSR/E1.79, Television, Film, Live Performance, and Event Electrical Guidelines for Canada. This guideline will deal with the installation of electrical equipment in the entertainment industry using any source of power, including generator sets, in Canada. Its scope is events of a temporary nature whether held indoors, outdoors, or in tents, such as film, television, live performance, and other events. The project is to make a recommended practices document for all of Canada based on *Electrical Safety Authority Spec 003*, which was written by the Electrical Safety Authority (a not-for-profit operating as an Administrative Authority for the Ontario government) in cooperation with the Entertainment Electrical Safety Committee of Ontario.

Interested? Do either materially affect your work? You can join the Weapons Safety Working Group or the Electrical Power Working Group to be involved. In the EPWG we particularly need members who would be in the Custom-market Producers, Designers, and Dealer/Rental companies interest categories. The WSWG is only now getting started and needs people in every interest category. Application forms and information about joining working group is available at https://tsp.esta.org/tsp/working_groups.

USITT seeks comments on inclusive, non-offensive terms

USITT's Terminology Working Group is seeking public comment on a draft USITT RP-xx – 20xx, Recommended Practice for the Use of Inclusive Terminology in Entertainment Technology, Design, and Management Fields. The draft document and a response form is available at www.usitt.org/terms. The public review runs through 16 December 2022. Even if you have no comments, it would help the working group to know that you feel the document is complete by submitting the form and indicate this.

The recommended practice is intended to promote a shared awareness and understanding of the harmful nature of certain terminology used in the entertainment industry, as well as to offer recommendations of less harmful terms to use in their stead. Its goal is to eliminate the use of harmful terminology and to promote the use of inclusive language. It is not attempting to impose specific replacement terminology. The alternatives recommended are only recommendations; some terms have multiple possible alternatives.

Reading the list of potentially offensive terms is enlightening. Some of the terms are ablist, crude, nativist, racist, or sexist, but some are common terms, part of the culture. However, their origins are often problematic, and they can be misunderstood by someone hearing them for the first time and who won't know, "Oh, it doesn't *really* mean *that!*" Save time and promote good will with better word choices.

WTO Technical Barrier to Trade notifications

The World Trade Organization has announced Technical Barrier to Trade filings that may be of interest to *Standards Watch* readers. If you have a problem with a TBT, you can protest through your representative to the World Trade Organization. The sort order is by comment due-date.

United States of America Notification USA/1939

Date issued: 8 November 2022

Agency responsible: Agricultural Marketing Service (AMS) ; Department of Agriculture (USDA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Paper and paper-based packaging products

Title: Harmonized Tariff Schedule Numbers for the Paper and Paper-Based Packaging Products; (4 pages in English)

Description of content: Proposed rule - This proposal invites comments on updates to the Harmonized Tariff Schedule (HTS) numbers for paper and paper-based packaging products in the Paper and Paper-Based Packaging Promotion, Research, and Information Order (Order). In addition, this action proposes new language that allows assessment collection to continue even if HTS numbers change in the future. The Paper and Packaging Board (Board) administers the Order with oversight by the U.S. Department of Agriculture (USDA).

Objective and rationale: Harmonization; Reducing trade barriers and facilitating trade

Relevant documents: 87 Federal Register (FR) 66960, 7 November 2022; Title 7 Code of Federal Regulations (CFR) Part 1222: <https://www.govinfo.gov/content/pkg/FR-2022-11-07/pdf/2022-24108.pdf>

This proposed rule is identified by Docket Number AMS-SC-22-0050. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/AMS-SC-22-0050/document> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 7 December 2022. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.

The Paper and Paper-Based Packaging Promotion, Research, and Information Order (Order) took effect in January 2014 (79 FR 3696), and assessment collection began in March 2014 for paper and paper-based packaging, primary and supporting documents accessible from Regulations.gov at <https://www.regulations.gov/search?filter=AMS-FV-11-0069%20FR>, <https://www.govinfo.gov/content/pkg/FR-2014-01-22/pdf/2014-01002.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 7 December 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-11-07/pdf/2022-24108.pdf>

United States of America Notification USA/1938

Date issued: 4 November 2022

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Hydrofluorocarbons

Title: Phasedown of Hydrofluorocarbons: Allowance Allocation Methodology for 2024 and Later Years; (38 pages in English)

Description of content: Proposed rule - The U.S. Environmental Protection Agency is proposing to amend existing regulations to implement certain provisions of the American Innovation and Manufacturing Act, as enacted on 27 December 2020. This rulemaking proposes to establish the methodology for allocating hydrofluorocarbon production and consumption allowances for the calendar years of 2024 through 2028. EPA is also proposing to amend the consumption baseline to reflect updated data and to make other adjustments based on lessons learned from implementation of the hydrofluorocarbon phase-down program thus far, including proposing to: codify the existing approach of how allowances must be expended for import of regulated substances; revise record-keeping and reporting requirements; and implement other modifications to the existing regulations.

Objective and rationale: Protection of the environment

Relevant documents: 87 Federal Register (FR) 66372, 3 November 2022; Title 40 Code of Federal Regulations (CFR) Part 84: <https://www.govinfo.gov/content/pkg/FR-2022-11-03/pdf/2022-23269.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OAR-2022-0430. The Docket Folder is available on Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OAR-2022-0430/document> and provides access to primary documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 19 December 2022. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period. G/TBT/N/USA/1735 and subsequent addenda - Phasedown of Hydrofluorocarbons: Establishing the Allowance Allocation and Trading Program Under the American Innovation and Manufacturing Act, identified by Docket Numbers EPA-HQ-OAR-2021-0044 and EPA-HQ-OAR-2022-0755.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 19 December 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-11-03/pdf/2022-23269.pdf>

Uruguay Notification URY/70

Date issued: 3 November 2022

Agency responsible: Energy and Water Services Regulatory Authority (URSEA) ; Ministry of the Economy and Finance

National inquiry point: Ministry of Economy and Finance Commercial Policy Advisory (MEF)

Products covered: Low-voltage electrical products: Electrical and electronic equipment and materials with a rated voltage of between 50 V and 1,000 V AC or between 75 V and 1,500 V DC, with certain exceptions (see Article 2)

Title: Proyecto de Reglamento de Seguridad de Productos Eléctricos de Baja Tensión (Draft Regulation on the safety of low-voltage electrical products) (23 pages in Spanish)

Description of content: The purpose of the notified draft Regulation is to regulate the essential safety requirements for low-voltage electrical products marketed in the country, and establish the relevant conformity assessment procedures.

Objective and rationale: Protection of human health or safety

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 8 January 2023

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/URY/full_text/pdf/URY70\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/URY/full_text/pdf/URY70(spanish).pdf)

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 12 December 2022

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

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

Single copy price: \$174.00

Order from and send comments to standards-process@tiaonline.org

BSR/TIA 942-C-202x, Telecommunications Infrastructure Standard for Data Centers (revision and redesignation of ANSI/TIA 942-B-2017)

This standard specifies the minimum requirements for telecommunications infrastructure of data centers and computer rooms, including edge data centers, enterprise data centers, managed services data centers, colocation data centers, and cloud data centers. The topology specified in this document is intended to be applicable to any size data center.

Single copy price: \$256.00

Order from and send comments to standards-process@tiaonline.org

Due 19 December 2022

BSR/ASSP A10.32-202X, Personal Fall Protection Used in Construction and Demolition Operations (new standard)

This standard establishes performance criteria for personal fall protection equipment and systems in construction and demolition and provides guidelines, recommendations for their use and inspection. It includes fall arrest, restraint, positioning, climbing, descending, rescue, escape, and training activities.

Single copy price: \$110.00

Order from and send comments to Tim Fisher; tfisher@assp.org

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard -Addendum 1: Corrections (new standard)

This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope.)

Single copy price: \$67.00

Order from and send comments to TIA, standards-process@tiaonline.org

Due 26 December 2022

BSR/NFPA 1-202x, Fire Code (revision of ANSI/NFPA 1-2021)

The scope includes, but is not limited to, the following: (1) Inspection of permanent and temporary buildings, processes, equipment, systems, and other fire and related life safety situations (2) Investigation of fires, explosions, hazardous materials incidents, and other related emergency incidents (3) Review of construction plans, drawings, and specifications for life safety systems, fire protection systems, access, water supplies, processes, hazardous materials, and other fire and life safety issues (4) Fire and life safety education of fire brigades, employees, responsible parties, and the general public (5) Existing occupancies and conditions, the design and construction of new buildings, remodeling of existing buildings, and additions to existing buildings (6) Design, installation, alteration, modification, construction, maintenance, repairs, servicing, and testing of fire protection systems and equipment (7) Installation, use, storage, and handling of medical gas systems (8) Access requirements for fire department operations (9) Hazards from outside fires in vegetation, trash, building debris, and other materials (10) Regulation and control of special events including, but not limited to, assemblage of people, exhibits, trade shows, amusement parks, haunted houses, outdoor events, and other similar special

temporary and permanent occupancies (11) Interior finish, decorations, furnishings, and other combustibles that contribute.... [Ran out of space in ANSI's *Standards Action!*]
Access and offer comments at www.nfpa.org/1Next

BSR/NFPA 70B-202x, Recommended Practice for Electrical Equipment Maintenance (revision of ANSI/NFPA 70B -2019)

This recommended practice applies to preventive maintenance for electrical, electronic, and communication systems and equipment and is not intended to duplicate or supersede instructions that manufacturers normally provide. Systems and equipment covered are typical of those installed in industrial plants, institutional and commercial buildings, and large multifamily residential complexes. Consumer appliances and equipment intended primarily for use in the home are not included.

Access and offer comments at www.nfpa.org/70bNext

BSI public review announcement

BSI Standards has announced a document for public review that might be of interest to *Standards Watch* readers. BSI documents may be commented on at <https://standardsdevelopment.bsigroup.com/>.BSI

Due 3 January 2023

BS EN 16798-3 EN 16798-3 Energy performance of buildings. Ventilation for buildings. Part 3: For non-residential buildings. Performance requirements for ventilation and room-conditioning systems (Modules M5-1, M5-4)

This document applies to the design, energy performance of buildings and implementation of ventilation, air conditioning and room conditioning systems for non-residential buildings subject to human occupancy, excluding applications like industrial processes. It focuses on the definitions of the various parameters that are relevant for such systems. The guidance for design given in this document and accompanying CEN/TR 16798-4 are mainly applicable to mechanical supply and/or exhaust ventilation systems. Natural ventilation systems or natural parts of hybrid ventilation systems are not covered by this document.

New ANS projects

ANSI has announced the following new project 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.

BSR/IES RP-47-202x, Recommended Practice: Landscape Lighting (new standard)

Landscape lighting provides aesthetic and practical solutions for lighting gardens, fields, statuary, walkways, steps, water features, signs, flagpoles, and more. Varied projects, materials, colors, and textures provide lighting designers vast opportunities to exercise their creative talents. The field also involves the challenges of working with complex and changing outdoor environments. For practitioners with suitable interests, knowledge, and skills, landscape lighting is a distinctly enjoyable and stimulating discipline.

Contact Patricia McGillicuddy, pmcgillicuddy@ies.org

BSR C18.5M Part 1-202x, Portable Lithium Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.5M Part 1-2020)

This publication applies to portable rechargeable, or secondary, lithium cells, and batteries. This document covers secondary lithium cells and batteries with a range of chemistries. Each electrochemical couple has a characteristic voltage range over which it releases its electrical capacity, a characteristic nominal voltage and a characteristic final voltage during discharge. See Table 1 for further details of the electrochemical systems included in the scope of this standard. This document defines a minimum required level of performance and a standardized methodology by which testing is performed and the results of this testing are reported to the user.

Contact Khaled Masri, Khaled.Masri@nema.org

BSR/TIA 568.1-E-1-202x, Commercial Building Telecommunications Infrastructure Standard - Addendum 1: Balanced Single Twisted-pair Cabling; Cabling Requirements for Wireless Access Points (addenda to ANSI/TIA 568.1-E-2020)

This addendum adds balanced single twisted-pair cabling. It also adds a requirement for two category 6A cables for WAPs (wireless access points) to a requirement to harmonize with recent standards document changes.

Contact Teesha Jenkins, standards-process@tiaonline.org

BSR/TIA 568.2-E-202x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.2-D-2018)

This project will create ANSI/TIA 568.2-E, revision of ANSI/TIA 568.2-D. Known errors will be corrected, nomenclature will be updated, and any general needed updates will be made.

Contact Teesha Jenkins, standards-process@tiaonline.org

BSR/TIA 4966-A-1-202x, Telecommunications Infrastructure Standard for Educational Facilities - Addendum 1: Balanced Single Twisted-pair Cabling (addenda to ANSI/TIA 4966-A-2022)

This addendum adds balanced single twisted-pair cabling.

Contact Teesha Jenkins, standards-process@tiaonline.org

BSR S12.3-202x, Declaration of Product Noise Emission Values (revision of ANSI/ASA S12.3-1985 (R2020))

This standard defines the preferred methods for determining and verifying noise emission values for machinery and equipment which are stated in product literature. This standard gives general requirements and guidelines for how to properly and uniformly provide product noise level information to the public. It specifies the noise emission values to be declared for a batch of machines, equipment, or products; the method for determining the mean A-weighted sound power level; and the method for determining applicable standard deviations. This standard is applicable to commercially available products that emit noise.

Contact Raegan Ripley, standards@acousticalsociety.org

BSR/ASME Y14.1-202x, Drawing Sheet Size and Format (revision of ANSI/ASME Y14.1-2020)

This standard defines sheet sizes and formats for engineering drawings. Both metric and decimal-inch sheet sizes and formats are included.

Contact Terrell Henry, ansibox@asme.org

BSR/ASME Y14.2-202x, Line Conventions and Lettering (revision of ANSI/ASME Y14.2-2014 (R2020))

This standard establishes the line and lettering practices for use in the preparation of product definition, including the recognition of the requirements for computer aided design (CAD) and manually prepared drawings.

Contact Terrell Henry, ansibox@asme.org

BSR/IAPMO Z1390-202x, Adult Changing Tables (new standard)

The 2024 edition of the ICC International Building Code, mandates adult changing stations for certain building occupancies. Yet, there is no performance requirements for these devices. This standard specifies performance requirements for adult changing tables which would be located in public toilet rooms of commercial buildings. The standard will regulate (1) Size of changing table; (2) Height of table; (3) Structural stability; (4) Railings on side of table; (5) Mounting provisions for wall-mounting, and (6) surface requirements, which include, cleanability, sanitary surfaces, Nonabsorbent, hidden surfaces, and smoothness. Other options to these products will also be defined, such as: movement of table height, swing-down of table, water connections, sanitary connections and wash-down features.

Contact Terry Burger, terry.burger@asse-plumbing.org

BSR C82.16-202X, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2022)

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics: General lighting, exterior lighting, and roadway lighting applications; Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz); Output open-circuit voltage of 600 V or less; Constant-current or constant-voltage direct current (DC) output; Fixed, variable (dimmmable), pulse-width modulation, or programmable (tunable) output power; External (standalone) or internal (enclosed in luminaire).

Michael Erbesfeld; Michael.Erbesfeld@nema.org

BSR C82.18-202X, Light Emitting Diode Drivers - Performance Characteristics (revision of ANSI C82.18-2022)

This standard provides specifications for and operating characteristics of non-integral electronic drivers (power supplies) for LED devices, arrays, or systems intended for general lighting applications, including indoor and outdoor, as well as specific cases such as Power over the Ethernet (PoE) and Luminaires or Lighting systems assembled with two or more LED drivers, and in the future may include other devices such as Light Fidelity (LiFi) or Visual Light Communication (VLC). Electronic drivers are devices that use semiconductors to control and supply DC power for LED starting and operation. The drivers operate from supply sources up to 600 V AC or DC at a frequency up to 60 hertz.

Michael Erbesfeld; Michael.Erbesfeld@nema.org

BSR/NFPA 855-202x, Standard for the Installation of Stationary Energy Storage Systems (revision of ANSI/NFPA 855-2023)

This standard applies to the design, construction, installation, commissioning, operation, maintenance, and decommissioning of stationary energy storage systems (ESS), including mobile and portable ESS installed in a stationary situation and the storage of lithium metal or lithium-ion batteries.

Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/ASME A17.10/CSA B44.10-202x, Escalator and moving walk braking systems (new standard)

This standard provides requirements for the design, construction, materials, and testing of escalator and moving walk braking systems. This standard covers escalator and moving walk driving-machine brakes as described in ASME A17.1/CSA B44, Safety Code for Elevators and Escalators.

Contact Maria Acevedo, ansibox@asme.org

BSR/AVIXA V202.01-202X, Display Image Size in 2D Audiovisual Systems (revision and redesignation of ANSI/INFOCOMM V202.01:2016)

This standard determines required display image size and relative viewing positions according to two defined viewing needs: Basic Decision Making and Analytical Decision Making. The Standard can be used to design a new space or to assess/modify an existing space, from either drawings or the space itself. It applies to both permanently installed systems and temporary systems. The standard applies to the overall system and not the performance or efficiency of any component.

Contact Loanna Overcash, lovecash@avixa.org

BSR/IICRC S250-202x, Standard for Professional Cleaning and Maintenance of Commercial Resilient Floor Coverings (new standard)

This standard describes the procedures to be followed when performing professional cleaning and maintenance of commercial resilient flooring. It is the purpose of this standard to define the methodology to be used by professional floor care providers for inspection of resilient flooring for the purposes of identifying and applying appropriate cleaning and maintenance processes. Further, this standard describes methods to be used for cleaning and maintenance of common commercial resilient flooring materials.

Contact Mili Washington, mwashington@iicrcnet.org

INCITS/ISO/IEC 27001:2022 [202x], Information security, cybersecurity and privacy protection – Information security management systems - Requirements (identical national adoption of ISO/IEC 27001:2022 and revision of INCITS/ISO/IEC 27001:2013 [R2019], INCITS/ISO/IEC 27001:2013/COR 1:2014 [2019], INCITS/ISO/IEC 27001:2013/COR 2:2015 [2018])

Specifies the requirements for establishing, implementing, maintaining, and continually improving an information security management system within the context of the organization. This document also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization. The requirements set out in this document are generic and are intended to be applicable to all organizations, regardless of type, size, or nature. Excluding any of the requirements specified in Clauses 4 to 10 is not acceptable when an organization claims conformity to this document.

Contact Lynn Barra, comments@standards.incits.org

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 E1.35-2013 (R2022), Standard for Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (reaffirmation of ANSI E1.35-2013 (R2018)), 20 October 2022

ANSI E1.4-1-2022, Manual Counterweight Rigging Systems (revision of ANSI E1.4-1-2016), 27 October 2022

ANSI E1.6-4-2022, Design, Inspection, and Maintenance of Portable Fixed Speed Electric Chain Hoist Control Systems in the Entertainment Industry (revision and partition of ANSI E1.6-4-2013), 31 October 2022

ANSI E1.6-5-2022, Selection and Use of Control Systems for Electric Chain Hoists in the Entertainment Industry (revision and partition of ANSI E1.6-4-2013), 31 October 2022

ANSI/ASHRAE/ICC/IES/USGBC Addendum aa to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 October 2022

ANSI/ASHRAE/ICC/IES/USGBC Addendum i to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 October 2022

ANSI/ASHRAE/ICC/IES/USGBC Addendum s to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 31 October 2022

ANSI/ASHRAE/IES Addendum h to ANSI/ASHRAE/IES Standard 100-2018, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018), 31 October 2022

ANSI/CTA 803-C-2022, Mobile Electronics Wiring Designations for Audio and Vehicle Security/Convenience (revision and redesignation of ANSI/CTA 803-B-2012 (R2017)), 3 November 2022

ANSI/IES LM-93-2022, Approved Method: Optical and Electrical Measurements of Far UV-C Excimer Sources (new standard), 24 October 2022

ANSI/IES RP-27.1-2022, Recommended Practice: Risk Group Classification and Minimization of Photobiological Hazards from Ultraviolet Lamps and Lamp Systems (new standard), 28 October 2022

ANSI/NFPA 1026-2024, Standard for Incident Management Personnel Professional Qualifications (revision of ANSI/NFPA 1026-2018), 27 October 2022

ANSI/NFPA 1030-2024, Standard for Professional Qualifications for Fire Prevention Program Positions (revision, redesignation and consolidation of ANSI/NFPA 1031-2014, ANSI/NFPA 1035-2015, ANSI/NFPA 1037-2016), 27 October 2022

ANSI/NFPA 1091-2024, Standard for Traffic Incident Management Personnel Professional Qualifications (revision of ANSI/NFPA 1091-2019), 27 October 2022

ANSI/NFPA 1660-2024, Standard on Community Risk Assessment, Pre-Incident Planning, Mass Evacuation, Sheltering, and Re-entry Programs (revision, redesignation and consolidation of ANSI/NFPA 1600-2019, ANSI/NFPA 1616-2020, ANSI/NFPA 1620-2020), 27 October 2022

ANSI/NFPA 610-2024, Guide for Emergency and Safety Operations at Motorsports Venues (revision of ANSI/NFPA 610-2018), 27 October 2022

ANSI/UL 62446-1-2022, Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance -Part 1: Grid Connected Systems - Documentation, Commissioning Tests and Inspection (national adoption with modifications of IEC 62446-1), 20 October 2022

ANSI/UL 62446-2-2022, Standard for Photovoltaic (PV) Systems - Requirements for Testing, Documentation and Maintenance - Part 2: Grid Connected Systems - Maintenance of PV Systems (national adoption with modifications of IEC 62446-2), 20 October 2022

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 (isot@ansi.org). 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 (tzertuche@ansi.org). 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. The sort order is by due-date.

100/3839/FDIS, IEC 63245-2 ED1: Spatial wireless power transfer based on multiple magnetic resonances - Part 2: Reference model, 2 December 2022

21A/821/FDIS, IEC 61951-1/AMD1 ED4: Secondary cells and batteries containing alkaline or other non-acid electrolytes -Secondary sealed cells and batteries for portable applications -Part 1: Nickel-cadmium, 9 December 2022

21/1159/CD, IEC 61427-2 ED2: Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications, 16 December 2022

JTC1-SC25/3121/CD, ISO/IEC 10192-4-2: Information technology - Home Electronic System (HES) interfaces - Part 4-2: Common user interface and cluster-to-cluster interface to support interworking among home cluster systems – Interfaces, services and objects, 16 December 2022

JTC1-SC41/316/FDIS, ISO/IEC 30179 ED1: Internet of Things (IoT) - Overview and general requirements of IoT system for ecological environment monitoring, 23 December 2022

65A/1065/NP, PNW TS 65A-1065 ED1: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2-1: Requirements for complex semiconductors, 13 January 2023

SyCSmartCities/267/CD, IEC SRD 63320-1 ED1: Systems Reference Deliverable (SRD) - Use Case Collection and Analysis - Smart urban planning for Smart Cities Part 1: high level analysis, 13 January 2023

21/1155/CDV, IEC 63330 ED1: Requirements for reuse of secondary batteries, 20 January 2023

TC1-SC25/3123/CD, ISO/IEC 14763-5 ED1: Information technology - Implementation and operation of customer premises cabling - Part 5 Sustainability, 20 January 2023

ISO/DIS 5363, Robotics - Test methods for exoskeleton-type walking RACA robot, 23 January 2023, \$62.00

ISO/DIS 22166-201, Robotics - Modularity for service robots -Part 201: Common information model for modules, 26 January 2023, \$125.00

ISO/IEC DIS 24772-1, Programming languages – Avoiding vulnerabilities in programming languages - Part 1: Language independent catalogue of vulnerabilities, 26 January 2023, \$185.00

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](#).

IEC 61951-2 Amd.1 Ed. 4.0 b:2022, Amendment 1 – Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, \$51.00

IEC 61951-2 Ed. 4.1 b:2022, Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride, \$443.00
IEC/TR 63425 Ed. 1.0 en:2022, Connectivity for lighting systems, \$183.00

ISO 13810:2022, Tourism and related services - Visits to industrial, natural, cultural and historical sites – Requirements and recommendations, \$73.00

ISO 22361:2022, Security and resilience - Crisis management -Guidelines, \$200.00

ISO 8528-10:2022, Reciprocating internal combustion engine driven alternating current generating sets - Part 10: Measurement of airborne noise, \$200.00

ISO/IEC 23090-16:2022, Information technology – Coded representation of immersive media - Part 16: Reference software for versatile video coding, \$48.00

ISO/IEC 27553-1:2022, Information security, cybersecurity and privacy protection - Security and privacy requirements for authentication using biometrics on mobile devices - Part 1: Local modes, \$175.00

ISO/IEC 27557:2022, Information security, cybersecurity and privacy protection - Application of ISO 31000:2018 for organizational privacy risk management, \$149.00

ISO/IEC TR 24485:2022, Information security, cybersecurity and privacy protection - Security techniques - Security properties and best practices for test and evaluation of white box cryptography, \$73.00

ISO/IEC/IEEE 15026-2:2022, Systems and software engineering -Systems and software assurance - Part 2: Assurance case, \$149.00

ISO/IEC/IEEE 42010:2022, Software, systems and enterprise -Architecture description, \$225.00

ISO/TS 37172:2022, Smart community infrastructures – Data exchange and sharing for community infrastructures based on geographic information, \$111.00

TSP meeting schedule

The next set of meetings will be in the week of January 16 in 2023. They will be via WebEx.

The following set of meetings will be scheduled in April around the NAMM Show. Meetings will be in person in Anaheim and remote via WebEx.

The schedules are not set yet. When they are, they will be posted at <https://www.esta.org/ESTA/meetings.php>.

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