

ESTA Standards Watch

Late February 2020

Volume 24, Number 4

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Three draft ESTA standards available for public review

Three ESTA draft standards are available for public review on the ESTA TSP website at http://estalink.us/pr. Anyone materially affected by any document is invited to review it and to offer comments before the deadline. The review documents are available for free; downloading costs you nothing but your time.

BSR E1.67, Entertainment Technology – Design, Inspection, Maintenance, Selection, and Use of Hand and Lever Chain Hoists in the Entertainment Industry, applies to manually operated chain and lever hoists used in the entertainment industry including, but not limited to, hoists used in theatre, musical touring, film, trade show and television industries, for the purposes of lifting, lowering, and tensioning, related to the production of shows and special events. Comments are due before the end of the day on 23 March 2020.

BSR E1.4-2, Entertainment Technology - Statically Suspended Rigging Systems, is about dead-hung systems permanently installed in performances spaces, places of assembly, and other areas used for entertainment purposes where not covered by other ANSI Entertainment Technology standards. This standard

intends to establish minimum performance criteria, recommendations and guidelines that can be used for installation, use, maintenance and inspection purposes. It also intends to establish minimum requirements for statically suspended rigging systems to safeguard health, safety and general welfare. Comments are due before the end of the day on 29 March 2020.

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 and should not be used for safety critical applications. Comments are due before the end of the day on 6 April 2020.

Behind the Scenes Mental Health Initiative seeks therapist recommendations

Last fall, Behind the Scenes conducted an online survey of industry members. One of the most frequent complaints was how difficult it is to find a therapist who knows anything about the entertainment industry and who is available to see people on nights and weekends or through teletherapy. Behind the Scenes is partnering with HelpPro to create an online therapist-finder specifically for the entertainment industry.

In order to make this program a resource for the industry, Behind the Scenes needs the assistance of people in the industry who have seen a therapist they thought was helpful. If you or a family member have experience with a therapist you think should be listed on the finder, please send their contact information to mh@btshelp.org. Behind the Scenes staff will reach out to them to let them know when the finder is ready for them to sign up.

ANSI seeks comments on ISO consumer incident investigations proposal

The American National Standards Institute seeks comments on a proposed new International Organization for Standardization standard focusing on investigations of consumer incidents. As the U.S. member body to ISO, ANSI requests that interested U.S. parties review the proposal (http://estalink.us/01ue6 for short) and submit comments by 27 March 2020. ISO COPOLCO, the ISO policy committee on consumer interests, submitted the proposal for a new ISO standard on Consumer Incident Investigation Guideline, to provide a general guide for investigations of consumer incidents. ANSI constituents are asked to submit comments to Steve Cornish, ANSI senior director of international policy, at scornish@ansi.org, by close of business on 27 March 2020.

FCC Open Commission Meeting announced for this Friday

On 24 February the FCC announced and published the agenda for the 28 February Open Commission meeting. The agenda is available at https://docs.fcc.gov/public/attachments/DOC-362615A1.pdf. It includes a proposed rulemaking about white-space device "rules in the TV bands (channels 2-35) to provide improved broadband coverage that would benefit American consumers in rural and underserved areas."

The Open Meeting is scheduled for Friday, starting at 10:30 a.m. in Room TW-C305, at 445 12th Street, S.W., Washington, DC. Audio/video coverage of the meeting will be broadcast live with open captioning over the Internet from the FCC Live web page at www.fcc.gov/live.

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 TBTs that may be of interest to Standards Watch readers. If you have a problem with any TBT, you can protest through your representative to the World Trade Organization. See the guidance documents at http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm or

http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/ for advice on filing objections.

Bangladesh Notification BGD/3

Date issued: 20 February 2020

Agency responsible: Bangladesh Standards and Testing Institution (BSTI)

National inquiry point: Bangladesh Standards and Testing Institution (BSTI)

Products covered: These rules will be applicable for the following categories of electrical and electronic products: 1. Household appliance; 2. Monitoring and Control equipment; 3. Medical Equipment; 4. Automatic Machine.

Title: Hazardous Waste (E-waste) Management Rules, 2019

Description of content: Schedule-3 (Rule14(1) noted) (Threshold limits for use of certain hazardous substances) [SEE TABLE IN ATTACHED NOTIFICATION/FULL TEXT]

Objective and rationale: These proposed Rules will be applicable for every e-waste producer, manufacturer, large importer, dismantler, recycler, trader or shopkeeper, hoarder, transporter, repairer, collection centre, auctioneer, exporter and large users of electrical and electronic products and other relevant persons

Relevant documents: Bangladesh Environment Conservation Act, 1995 (Amendment 2010)

Proposed date of adoption: Not given by country Proposed date of entry into force: Not given by country

Final date for comments: 1 March 2020

Full text:

https://tsapps.nist.gov/notifyus/docs/wto_country/BGD/full_text/pdf/BGD3[1](English).pdf, https://tsapps.nist.gov/notifyus/docs/wto_country/BGD/full_text/pdf/BGD3[2](English).pdf,

https://tsapps.nist.gov/notifyus/docs/wto_country/BGD/full_text/pdf/BGD3[3](Bengali).pdf [This document is in English, despite what the URL says].

United States of America Notification USA/1583

Date issued: 19 February 2020

Agency responsible: Office of Energy Efficiency and Renewable Energy (OEERE)

National inquiry point: USA WTO TBT Enquiry Point Products covered: Appliance standards; procedures

Title: Energy Conservation Program for Appliance Standards: Procedures for Evaluating Statutory Factors for Use in New or Revised Energy Conservation Standards (8 page(s), in English)

Description of content: Supplemental notice of proposed rulemaking - The Department of Energy (DOE) is proposing amendments to its decision-making process for selecting energy conservation standards. More specifically, DOE is proposing changes that would require DOE to conduct a comparative analysis of the relative costs and benefits of all of the proposed alternative levels for potentially establishing or amending an energy conservation standard in order to make a reliable determination that the chosen alternative is economically justified.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of the environment; Cost saving and productivity enhancement

Relevant documents:

• 85 Federal Register (FR) 8483, 14 February 2020; Title 10 Code of Federal Regulations (CFR) Part 430: https://www.govinfo.gov/content/pkg/FR-2020-02-14/pdf/2020-00022.pdf

G/TBT/N/USA/1441 and subsequent addenda
 Proposed date of adoption: Not given by country
 Proposed date of entry into force: Not given by country

Final date for comments: 16 March 2020

Full text URL: https://www.govinfo.gov/content/pkg/FR-2020-02-14/pdf/2020-00022.pdf

United States of America Notification USA/1584

Date issued: 19 February 2020

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

Products covered: Textile fiber products

Title: Rules and Regulations Under the Textile Fiber Products Identification Act (3 page(s), in English) **Description of content**: Notice of proposed rulemaking - The Federal Trade Commission ("FTC" or "Commission") proposes amending the Rules and Regulations under the Textile Fiber Products Identification Act ("Textile Rules" or "Rules") to incorporate the most recent ISO 2076 standard for generic fiber names. The proposed amendment should reduce compliance costs and increase flexibility for firms providing textile fiber information to consumers.

Objective and rationale: Consumer information, labelling; Harmonization; Cost saving and productivity enhancement

Relevant documents:

• 85 Federal Register (FR) 8781, 18 February 2020; Title 16 Code of Federal Regulations (CFR) Part 303: https://www.govinfo.gov/content/pkg/FR-2020-02-18/pdf/2020-02759.pdf

G/TBT/N/USA/656 and subsequent addenda

G/TBT/N/USA/1299 and G/TBT/N/USA/1299/Add.1
 Proposed date of adoption: Not given by country
 Proposed date of entry into force: Not given by country

Final date for comments: 19 March 2020

Full text URL: https://www.govinfo.gov/content/pkg/FR-2020-02-18/pdf/2020-02759.pdf

Albania Notification ALB/95

Date issued: 20 February 2020

Agency responsible: Ministry of Tourism and Environment

National inquiry point: Albanian General Directorate for Standardization (DPS)

Products covered: Integrated Waste

Title: Draft-law of the Council of Ministers on some amendments to Law No. 10463 of 22.09.2011 "For the integrated waste management", as amended.

Description of content: This draft-law guarantees the protection of the environment and human health from the consequences of using plastic carrying bags, reducing the amount of plastic thrown around in the environment, which will reduce the costs of waste management and minimize the potential adverse environmental and human health impacts. [TSM note: This brings Albania into line with New York City, the state of California, and other places in regard to plastic shopping bags.]

Objective and rationale: The objective of this draft-law is to ban the use of plastic carrying bags with the aim that after 1 June 2020, there will not be produced, imported nor used plastic carrying bags, making Albania the first country in Europe to be implementing such a measure.

Relevant documents:

- DCM no. 232, of 26.04.2018
- Law no. 10463 of 22.09.2011 "For the integrated waste management"
- Law no. 10431, of 09.06.2011 "On the environmental protection"

Proposed date of adoption: Not given by country **Proposed date of entry into force**: 1 June 2020

Final date for comments: 20 April 2020

ANSI public review announcements

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 30 March 2020

BSR/AGMA 9009-EXX-202x, Flexible Couplings - Nomenclature for Flexible Couplings (revision and redesignation of ANSI/AGMA 9009-D02 (R2014))

This standard provides nomenclature common to flexible couplings and their application as used in mechanical power transmission drives.

Single copy price: \$52.00 Order from: tech@agma.org

Send comments to: aboutaleb@agma.org

BSR/ASHRAE/ICC/USGBC/IES Addendum ar to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017)

Addendum ar to 189.1-2017 adds new definitions related to enforcing the 189.1/IgCC in a manner consistent with the other I-Codes. The new definitions include "approved," "approved agency," "approved source," "listed," and "labeled." Consequently, phrases such as "approved by the AHJ" that appear throughout the text can be replaced with "approved."

Single copy price: \$35.00

Access and offer comments at: http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASHRAE/ICC/USGBC/IES Addendum as to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017)

Addendum as to 189.1-2017 updates the Lighting Power Density (LPD) allowances so that values exceeding 91% of ASHRAE 90.1-2019 values (for most applications) will meet the IES-recommended illuminances, rather than exceeding them by 110%. Some exclusions were made when the adjusted value was not ideal for that application; these variations have been noted in the proposal.

Single copy price: \$35.00

Access and offer comments at: http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASHRAE/ICC/USGBC/IES Addendum o to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017)

This independent substantive change to Addendum o comes in response to the first public review that received objections regarding the designation of walkways, bicycle paths, and greenfield sites as jurisdictional options. These sections have been reinstated as core requirements that jurisdictions are not given the option to exclude. Single copy price: \$35.00

Access and offer comments at: http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASNT CP 189-202x, Qualification and Certification of Nondestructive Testing Personnel (revision, redesignation and consolidation of ANSI/ASNT CP-189-2016, ANSI/ASNT CP-189-2016, Addenda 2018) This standard applies to personnel whose specific tasks or jobs require appropriate knowledge of the technical principles underlying nondestructive testing (NDT) methods for which they have responsibilities within the scope of their employment. These specific tasks or jobs include, but are not limited to, performing, specifying, reviewing, monitoring, supervising, and evaluating NDT work.

Single copy price: Free

Obtain an electronic copy from: <a href="https://www.asnt.org/MajorSiteSections/Standards/ASNT_Standards/ANSI-s

ASNT_CP-189/2020_Public_Review Send comments to: bfrye@asnt.org

BSR/BIFMA X5.11-2015 (R202x), General-Purpose Large Occupant Office Chairs (reaffirmation of ANSI/BIFMA X5.11-2015)

This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of office chairs for large occupants.

Single copy price: \$150.00

Order from and send comments to: David Panning, dpanning@bifma.org

BSR/BIFMA X5.4-202X, Public and Lounge Seating (revision of ANSI/BIFMA X5.4-2012)

This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of business and institutional public and lounge seating.

Single copy price: \$150.00

Order from and send comments to: David Panning, dpanning@bifma.org

Due 6 April 2020

BSR/CTA 2010-B-2014 (R202x), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)

This standard defines a method for measuring the audio performance of subwoofers, both passive and powered. Single copy price: Free!

Order from and send comments to: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 2034-A-2015 (R202x), Standard Method of Measurement for In-Home Loudspeakers (reaffirmation of ANSI/CTA 2034-A-2015)

This standard describes how to determine the frequency response, directivity and maximum output capability of a residential loudspeaker. It is intended to determine the audio performance of a loudspeaker, not the

loudspeakers ability to survive a given input signal. This standard applies only to loudspeaker systems and not to raw transducers.

Single copy price: Free!

Order from and send comments to: Veronica Lancaster, vlancaster@cta.tech

BSR/ICEA P-79-561-202x, Guide for Selecting Aerial Cable Messengers and Lashing Wires (revision of ANSI/ICEA P-79-561-2008 (R2018))

This guide has been prepared to facilitate the selection of messengers and lashing wires for both field- and factory-assembled, self-supporting aerial cables.

Single copy price: \$118.00

Order from and send comments to: Khaled Masri, khaled.masri@nema.org

BSR/TIA 568.2-D-2-202x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 2: Power Delivery Over Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568.2-D-2018)

This document will be an addendum to TIA 568.2-D. The proposed addendum will provide normative requirements for supporting the delivery of power over installations balanced copper cabling, intended to supplement the material in TIA TSB-184-A. Requirements to include options for specific prescriptive requirements, partially engineered solutions, and completely engineered solutions which allow widely varying techniques but adhere to strict end requirements.

Single copy price: \$77.00

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

Due 14 April 2020

BSR/UL 244B-202X, Field Installed and/or Field Connected Appliance Controls (new standard)

These requirements cover electrical controls that are complete in construction and designed specifically for installation in North America. These products are intended to be installed within the guidelines and requirements of the National Electrical Code, NFPA 70, and other relevant building codes. Examples are cord-connected controls with standard NEMA plugs and receptacles, direct plug-in controls, and controls intended to be mounted in wiring boxes. This standard applies to sensing controls for non-industrial use. These controls may be remotely actuated and respond to motion, light, sound, infrared input signals (passive and active type), power line carrier signals, radio frequency input signals and similar stimuli. In combination with one or more of the aforementioned stimuli, these controls may also be time responsive. Single stimulus sensing controls (for instance, photoelectric switches) are covered under the scope of UL 773A, the Standard for Photoelectric Switches. Multi-functional controls are covered under the scope of this standard provided that the product's primary function is not covered under another standard of safety.

Single copy price: Free

Access and offer comments at: https://csds.ul.com/Home/ProposalsDefault.aspx

CSA public review announcements

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

Due 29 March 2020

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4540, Removal of restriction on cablebus firewall penetrations (amendment)

Modify Rule 12-2254 9) as follows:

- 12-2254 Methods of installation (see Appendix B)
 - 9) Cablebus shall be permitted to extend transversely through partitions or walls, other than including fire walls, provided that the section within the wall is continuous, protected against physical damage, and unventilated, and where applicable, meets the requirements of Subrule 13).

Due 31 March 2020

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4548, Ground fault circuit interrupter protection for all receptacles located outdoors and within 2.5 m of finished grade (amendment) (A) Revise Rule 26-704 as shown.

- 26-704 Protection of receptacles by a ground fault circuit interrupter of the Class A type (see Appendix B)

 1) Receptacles having CSA configuration 5-15R or 5-20R installed within 1.5 m of sinks (wash basins complete with a drainpipe), bathtubs, or shower stalls shall be protected by a ground fault circuit interrupter of the Class A type, except where the receptacle is
 - a) intended for a stationary appliance designated for the location; and
 - b) located behind the stationary appliance such that it is inaccessible for use with general-purpose portable appliances.
- 2) Except for vehicle heater receptacles provided in conformance with Rule 8-400, all All receptacles having CSA configuration 5-15R or 5-20R, installed outdoors and within 2.5 m of finished grade shall be protected with a ground fault circuit interrupter of the Class A type.
- 3) In addition to Subrule 2), each receptacle for vehicle heaters installed in accordance with Rule 8-400 2) shall be provided with an individual ground fault circuit interrupter of the Class A type.
- (B) Add Appendix B note for rule 26-704 as shown:

Rule 26-704

CSA C22.2 NO. 191 permits Automobile heaters with sheathed heating elements to leak 4 mA of current for the first 10 min after power is applied. Two heaters protected by the same Class A GFCI device may result in nuisance tripping. Automobile heaters are subjected to extreme elements that may result in damage; tripping of the GFCI device is often an indication that replacement or maintenance of the heating device is required.

Due 11 April 2020

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4541, Add requirement for surge protection on switchboards and panelboards that are part of an emergency power supply (amendment) Addition of rule 46-209 as follows:

46-209 Surge protection

Surge protection shall be provided in or on all switchboards and panelboards for an emergency power supply.

New ANS projects

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

BSR/AIAA S-153-202x, Human Spaceflight: Spacecraft Architecture and Systems Engineering Ontology (new standard)

This is the first level of a three-level standard defining a human spaceflight (HSF) spacecraft ontology from architectural and system engineering viewpoints. It provides guidance for systems and architecture design emphasizing human-system integration (HSI) requirements and constraints. While adopting a holistic approach, this complex domain is stratified using a three dimensional road map (lifecycle, function, location) that guidest he user to a high-level, fundamental, and context-specific design requirement based on the HSF program, mission, and spacecraft goals.

Contact: Hillary Woehrle, hillaryw@aiaa.org

BSR/AWS B5.16-202x, Specification for the Qualification of Welding Engineering Personnel (new standard)

This specification establishes the requirements for qualification of Welding Engineering Technologists, Associate Welding Engineers, Welding Engineers, and Senior Welding Engineers employed in the welding industry. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined In this standard. This specification is a method for engineering personnel to establish a record of their qualification and abilities in welding industry work such as development of procedures, processes controls,

quality standards, problem solving, etc. Contact: Marty Lucia, mlucia@aws.org

BSR/AWS B5.17-202x, Specification for the Qualification of Welding Fabricators (revision of ANSI/AWS B5.17-2014)

This standard establishes the minimum requirements necessary to qualify as a Welding Fabricator. The qualification is determined based on an examination of the implementation of the fabricator's Quality Manual to verify compliance to the requirements defined in this specification. This document also defines the Welding Fabricator's functions and lists the minimum reference materials that the Welding Fabricator should possess. Contact: Marty Lucia, mlucia@aws.org

BSR E1.70-202x, Selection and Use of Ground Supported Winch Stands and Towers in the Entertainment Industry (new standard)

This document shall apply to the selection, assembly, and use of ground-supported, variable-height stands and towers containing manually operated winches to effect the lifting, lowering, and supporting of entertainment technology equipment. It shall also establish minimum design and inspection criteria for these devices when used in the entertainment industry.

Contact: Richard Nix, standards@esta.org

BSR E1.6-1-202x, Entertainment Technology - Powered Hoist Systems (revision of ANSI E1.6-1-2019) This standard is being opened for limited revision, with the scope of revisions applying only to section 6.6 of the standard to correct errors. No other revisions will be considered at this time.

Contact: Richard Nix, standards@esta.org

BSR/CTA 2076.1-202x, Indoor Network Navigation Systems for Intellectual and Developmental Disabilities (new standard)

This standard builds upon the work in ANSI/CTA 2076 to specify requirements for the design of inclusive audio-based network navigation systems (IABNNS) for those with intellectual and developmental disabilities. This standard helps design professionals achieve an inclusive environment through IABNNSs that augment the physical environment by the provision of visual, haptic, and audio-based information about environments for users.

Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 2088.2-202x, Baseline Cybersecurity for Private Consumer Robotics (new standard)

This standard will build upon the baseline cybersecurity requirements in CTA 2088 to address the cybersecurity requirements and recommendations relevant to the unique capabilities, uses, and applications of Private Consumer Robotics.

Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 709.3-1999 (R202x), Free-Topology Twisted-Pair Channel Specification (reaffirmation of ANSI/CTA 709.3-1999 (R2015))

This document specifies the CTA 709.3 free-topology twisted-pair channel and serves as a companion document to the CTA 709.1 Control Network Protocol Specification. The channel supports communication at 78.125 kbps between multiple nodes, each of which consists of a transceiver, a protocol processor, and application processor, a power supply, and application electronics.

Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 709.5-2015 (R202x), Control Networking Protocol Specification - Part 5: Implementation Application Layer Guidelines (reaffirmation of ANSI/CTA 709.5-2015)

This specification contains the information necessary to facilitate the exchange of data and control information in an interoperable fashion using ANSI/CTA 709.1 and its associated data-transport media specifications. It establishes a minimal set of rules for compliance and allows for extended services to be provided, given that the rules are adhered-to within the system.

Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 709.6-A-202x, Control Networking Protocol Specification- Part 6: Application Elements (revision and redesignation of ANSI/CTA 709.6-2015)

This standard provides mechanisms through which various vendors of control networking systems may exchange information in a standardized way. This document contains all the information necessary to read and interpret the format of data and control information that is used by ANSI/CTA 709.5. It also defines the device interface for a device, which is necessary to exchange data between devices from different manufacturers. Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 2042.1-C-202x, Wireless Power Glossary Terms (revision and redesignation of ANSI/CTA 2042.1-B-2015)

The project is to revise ANSI/CTA 2042.1 to correct several errors and to better align with IEC 63006. This document specifies terms and definitions for wireless power.

Contact: Veronica Lancaster, vlancaster@cta.tech

BSR/CTA 2049-A-202x, Determination of Small Network Equipment Average Energy Consumption (revision and redesignation of ANSI/CTA 2049-2015)

This standard defines a method for measuring Small Network Equipment (SNE) energy consumption and related items.

Contact: Veronica Lancaster, vlancaster@cta.tech

Final actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI/CTA 709.8-2020, Open Data Communication in Building Automation, Controls and Building Management - Control Network Protocol Specification - Part 8: Control Network Protocol/High Definition Power Line Channel Specification (CNP/HD-PLC) (new standard): 6 February 2020

ANSI/CTA 709.9-2020, Open Data Communication in Building Automation, Controls and Building Management - Control Network Protocol Specification - Part 9: Control Network Protocol/Wireless Communication in ISM Bands (LON-ISM-RF) (new standard): 6 February 2020

ANSI/IES LP-1-2020, IES Lighting Practice: Designing Quality Lighting for People and Buildings (new standard): 7 February 2020

ANSI/IES LP-2-2020, Lighting Practice: Designing Quality Lighting for People in Outdoor Environments (new standard): 7 February 2020

ANSI/IES LS-2-2020, Lighting Science: Concepts and Language of Lighting (new standard): 7 February 2020

ANSI/IES LP-4-2020, Lighting Practice: Electric Light Sources -Properties, Selection and Specification (new standard): 7 February 2020

ANSI/IES LS-7-2020, Lighting Science: Vision - Eye and Brain (new standard): 7 February 2020

ANSI/IES LM-9-2020, Approved Method: Electrical and Photometric Measurement of Fluorescent Lamps (new standard): 7 February 2020

ANSI/IES LP-9-2020, Lighting Practice: Upgrading Lighting Systems in Commercial and Institutional Facilities (new standard): 7 February 2020

ANSI/IES LM-10-2020, Approved Method: Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires (new standard): 7 February 2020

ANSI/IES LP-10-2020, Lighting Practice: Sustainable Lighting - An Introduction to the Environmental Impacts of Lighting (new standard): 7 February 2020

ANSI/IES LM-11-2020, Approved Method: Guide for Photometric Testing of Searchlights (new standard): 7 February 2020

ANSI/IES LM-20-2020, Approved Method: Photometry of Reflector Type Lamps (new standard): 7 February 2020

ANSI/IES LM-28-2020, Approved Method: Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (new standard): 7 February 2020

ANSI/IES LM-31-2020, Approved Method: Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (new standard): 7 February 2020

ANSI/IES LM-35-2020, Approved Method: Photometric Testing of Floodlights Using High Intensity Discharge or Incandescent Filament Lamps (new standard): 7 February 2020

ANSI/IES LM-37-2020, Approved Method: IES Guide for Determination of Average Luminance (Calculated) for Indoor Luminaires (new standard): 7 February 2020

ANSI/IES LM-40-2020, IES Approved Method: Life Testing of Fluorescent Lamps (new standard): 7 February 2020

ANSI/IES LM-45-2020, Approved Method: Electrical and Photometric Measurement of General Service Incandescent Filament Lamps (new standard): 7 February 2020

ANSI/IES LM-46-2020, Approved Method: Photometric Testing of Indoor Luminaires Using High Intensity Discharge or Incandescent Filament Lamps. (new standard): 7 February 2020

ANSI/IES LM-47-2020, Approved Method: Life Testing of High Intensity DIscharge (HID) Lamps (new standard): 7 February 2020

ANSI/IES LM-49-2020, Approved Method: Life Testing of Incandescent Filament Lamps (new standard): 7 February 2020

ANSI/IES LM-51-2020, Approved Method: Electrical and Photometric Measurement of High Intensity Discharge Lamps (new standard): 7 February 2020

ANSI/IES LM-54-2020, Approved Method: IES Guide to Lamp Seasoning (new standard): 7 February 2020

ANSI/IES LM-58-2020, Approved Method: Spectroradiometric Measurement Methods for Light Sources (new standard): 7 February 2020

ANSI/IES LM-62-2020, Approved Method: Guide for Laboratory or Field Measurements of Fluorescent Lamps and Ballasts in Luminaires (new standard): 7 February 2020

ANSI/IES LM-65-2020, Approved Method: Life Testing of Single-Based Fluorescent Lamps (new standard): 7 February 2020

ANSI/IES LM-77-2020, Approved Method: Intensity Distribution Measurement of Luminaires and Lamps using Digital Screen Imaging Photometry (new standard): 7 February 2020

ANSI/IES LM-78-2020, Approved Method: Total Luminous Flux Measurement of Lamps using an Integrating Sphere Photometer (new standard): 7 February 2020

ANSI/IES LM-81-2020, Approved Method: Photometric Testing of Skylights and Tubular Daylighting Devices under Hemispherical Sky Conditions (new standard): 7 February 2020

ANSI/IES LM-82-2020, IES Approved Method for the Characterization of Optical and Electrical Properties of Solid-State Lighting Products as a Function of Temperature (new standard): 7 February 2020

ANSI/IES LM-85-2020, Approved Method: Optical and Electrical Measurements of LED Packages and LED Arrays (new standard): 7 February 2020

ANSI/IES LM-86-2020, Approved Method: Measuring Luminous Flux and Color Maintenance of Remote Phosphor Components (new standard): 7 February 2020

ANSI/IES RP-6-2020, Recommended Practice: Lighting Sports and Recreational Areas (new standard): 7 February 2020

ANSI/IES RP-37-2020, Recommended Practice: Lighting Airport Outdoor Environments (new standard): 7 February 2020

ANSI/IES TM-25-2020, Ray File Format for the Description of the Emission Property of Light Sources (new standard): 7 February 2020

ANSI/IES TM-27-2020, Technical Memorandum: IES Standard Format for the Electronic Transfer of Spectral Data (new standard): 7 February 2020

ANSI/IES/NALMCO RP-36-2020, Recommended Practice: Lighting Maintenance (new standard): 7 February 2020

ANSI/IES LM-80-2017 (R2020), Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules (reaffirmation of ANSI/IES LM-80-15 Errata-2017): 7 February 2020

ANSI/IES RP-1-2020, Recommended Practice: Lighting Office Spaces (revision of ANSI/IES RP-1-2013): 7 February 2020

ANSI/IES RP-28-2020, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-2016): 7 February 2020

Draft IEC & ISO documents

This section lists proposed documents that the IEC or 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 IEC documents should be sent to Charles T. Zegers at czegers@ansi.org. Comments from US citizens on ISO documents should be sent to Karen Hughes at isot@ansi.org. Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

JTC1-SC41/138/FDIS, ISO/IEC 21823-2 ED1: Internet of Things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability, 3 April 2020

34/680/CD, IEC 62386-150 ED1: Digital addressable lighting interface - Part 150: Auxiliary Power Supply, 1 May 2020

34/681/CD, IEC 62386-250 ED1: Digital addressable lighting interface - Part 250: Particular requirements - Integrated Power Supply (Device Type 49), 1 May 2020

34/682/CD, IEC 62386-251 ED1: Digital addressable lighting interface - Part 251: Particular requirements - Memory bank 1 extension (Device Type 50), 1 May 2020

34/683/CD, IEC 62386-252 ED1: Digital addressable lighting interface - Part 252: Particular requirements - Energy Reporting (Device Type 51), 1 May 2020

34/684/CD, IEC 62386-253 ED1: Digital addressable lighting interface - Part 253: Particular requirements - Diagnostics and maintenance (Device Type 52), 1 May 2020

34/686/CD, IEC 63117 ED1: General requirements for lighting systems - Safety, 1 May 2020

121A/334(F)/CDV, IEC 60947-6-1 ED3: Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment – Transfer switching equipment, 1 May 2020

SyCSmartCities/126/CD, IEC TS 63233 ED1: Smart City Standards Inventory and Mapping - Part 1: Methodology, 1 May 2020

SyCSmartCities/128/NP, PNW SYCSMARTCITIES-128 ED1: Systems Reference Deliverable (SRD) - UseCase Collection and Analysis: City Needs Analysis Framework, 1 May 2020

ISO/DIS 23234, Buildings and civil engineering works – Security Planning of security measures in the built environment, 7 May 2020, \$88.00

JTC1-SC41/142/NP, PNW TS JTC1-SC41-142: Internet of Things (IoT) - Generic Trust Anchor Application Programming Interface for Industrial IoT Devices, 8 May 2020

Recently published IEC & ISO documents

Listed here are documents recently approved by the IEC or ISO that may be of use or interest to *Standards Watch* readers. Prices shown are from the <u>ANSI Webstore</u>.

IEC/TR 63211-2-12 Ed. 1.0 en:2020, Durability test methods for electronic displays - Part 2-12: Environmental tests – Environmental conditions of use, storage and transportation of electronic displays, \$235.00

IEC/TS 62749 Ed. 2.0 en:2020, Assessment of power quality -Characteristics of electricity supplied by public networks, \$317.00

S+ IEC/TS 62749 Ed. 2.0 en:2020 (Redline version), Assessment of power quality - Characteristics of electricity supplied by public networks, \$412.00

IEC/TS 63164-1 Ed. 1.0 en:2020, Reliability of industrial automation devices and systems - Part 1: Assurance of automation devices reliability data and specification of their source, \$164.00

ISO/IEC TR 23188:2020, Information technology - Cloud computing - Edge computing landscape, \$185.00

ISO/TR 22164:2020, Hydraulic fluid power - Application notes for the optimization of the energy efficiency of hydraulic systems, \$45.00

TSP meeting schedule

The Fog & Smoke Working Group will meet by WebEx on 19 March 2020, from noon to 14:00.

The following meetings will be held face-to-face at the Marriott Marquis Houston in conjunction with the 2020 USITT Conference and Stage Expo.

Control Protocols E1.37-2 IPv4/v6 PIDs	14:00 – 18:00	Friday 3 April 2020
Control Protocols E1.59 Automation Feedback TG	14:00 – 18:00	Thursday 2 April 2020
Control Protocols E1.68 Compliance TG	19:00 – 11pm:	Thursday 2 April 2020
Control Protocols Next Gen Color TG	19:00 – 10pm:	Wednesday 1 April 2020
Control Protocols Next Gen Overall CG	10:00 – 13:00	Friday 3 April 2020
Control Protocols NextGen Fixture	09:00 – noon	Saturday 4 April 2020
Control Protocols Working Group	09:00 – noon	Thursday 2 April 2020
Electrical Power Electrical Inspection TG	14:00 – 18:00	Wednesday 1 April 2020
Electrical Power Working Group	10:00 – 13:00	Wednesday 1 April 2020
Event Safety Fire Safety TG	14:00 – 17:00	Friday 3 April 2020
Event Safety Rigging Task Group	13:00 – 17:00	Friday 3 April 2020
Event Safety Security TG	19:00 – 23:00	Thursday 2 April 2020
Event Safety Task Group Leader Coordination Meeting	17:00 – 18:00	Friday 3 April 2020
Event Safety Working Group	13:00 – 16:00	Saturday 4 April 2020
Floors Working Group	14:00 – 17:00	Wednesday 1 April 2020
Followspot Position Working Group	19:00 – 22:00	Friday 3 April 2020
Photometrics Working Group	09:00 – noon	Saturday 4 April 2020
Rigging E1.67 TG	09:00 – noon	Friday 3 April 2020
Rigging Working Group	19:00 – 23:00	Thursday 2 April 2020
Stage Machinery E1.6-4 TG	09:00 – 11:00	Thursday 2 April 2020
Stage Machinery E1.64 TG	09:00 – 11:00	Wednesday 1 April 2020
Stage Machinery Working Group	13:00 – 17:00	Thursday 2 April 2020
Technical Standards Council	15:00 – 18:00	Friday 3 April 2020

The most current schedule for meetings is always available at https://esta.org/ESTA/meetings.php.

ESTA Standards Watch

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