Technical Standards Program

ESTA Standards Watch

Late September 2023 Volume 27, Number 18

Table of Contents

A dozen ESTA standards in public review

Twelve standards are in public review at http://estalink.us/pr. The last day to comment is Monday, September 25th. Tuesday is too late.

BSR E1.1, Wire Rope Ladders, describes the construction and use of wire rope ladders in the entertainment industry. Wire rope ladders are distinguished from other ladders by having flexible rails. They are used in applications where ladders with rigid rails are impractical to use, or where a rigid ladder would pose a greater danger to the user or other workers in the area. ANSI E1.1-2018 is being revised to update references and technology.

BSR E1.23, Entertainment Technology -- Design, Execution, and Maintenance of Atmospheric Effects, offers advice on the planning, execution, and maintenance of theatrical effects using glycol, glycerin, or white mineral oil fogs or mists in theatres, arenas, motion picture studios, and other places of public assembly or motion picture production. The guidance is offered to help effects designers and technicians create effects that can be executed repeatedly and reliably, and so that they can avoid excessive exposure to the fog materials and other foreseeable hazards. This revision adds a requirement for a short summary of the measures being taken to assure reasonable safety, and to add advice about ventilation and carbon dioxide fog-blast effects.

ANSI E1.31 - 2018, Lightweight streaming protocol for transport of DMX512 using ACN, is being considered for reaffirmation because the Control Protocols Working Group members feel no revisions are necessary, but public review will confirm or contradict that. ANSI E1.31 - 2018 describes a mechanism to transfer DMX512A packets over a TCP/IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management It also outlines a synchronization method to help ensure that multiple sinks can process this data concurrently when supervised by the same controller. It supports IPv6 as well as IPv4.

BSR E1.42, 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 of E1.42's scope was limited to orchestra pit lifts. This revision expands its scope to include stage lifts and other similar lifts, as well as lifts used temporarily for a single production. 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.

BSR E1.43, Performer Flying Systems, 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 circumstances associated with performer flying. ANSI E1.43-2016 is being revised to reflect changes in technology and referenced standards.

ANSI E1.48 - 2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry, is being considered for withdrawal because it is rarely used.

BSR E1.50-1, Entertainment Technology - Requirements for the Structural Support of Temporary LED, Video & Display Systems, covers the support of temporary installations of large format modular display systems, LED, video and other self-illuminating display structures not otherwise addressed by existing standards. The scope of this standard includes planning and site preparedness, assembly and erection, suspension and safety of components, special access requirements, use, and dismantling of these systems. ANSI E1.50-1 - 2018 is being revised to reflect current technology and practices in the industry.

BSR E1.64, Stage Machinery Control Systems, establishes minimum requirements for the design, manufacture, installation, commissioning, inspection, operation, and maintenance of machinery control equipment in the entertainment Industry that is used in production, touring, and temporary or permanent installation.

BSR E1.71, Powered Curtain Machines, establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended solely for the movement of curtains for performance, presentation, and theatrical production. These requirements would apply to machines that provide movement of fabric in any direction, irrespective of their mounting location. This standard does not apply to the structure to which the machine is attached, or to machines such as those used for fire safety curtains or for performer flying, which are covered by other existing standards. The provisions of this standard are not intended to prohibit any design, materials, or methods of fabrication, provided that any such alternative is at least the equivalent of that described in this standard in quality, strength, and effectiveness.

BSR E1.76, Tension Wire Grids, covers the design and application criteria including: the loading, self-weight considerations, transitions between levels, and suspension from structure. The standard will provide deflection criteria for both structural elements and the woven mesh. The standard will offer guidance on the size of openings, including trap doors and bays similar to loft-wells. The standard will provide requirements for hand rails and consideration for other accessories such as stage lighting battens.

BSR ES1.2, Event Planning, Management, & Major Incident, describes a process for event organizers and supporting staff to create and implement event-related plans for health and safety management. This process includes a framework, guidelines, and recommended practices that can be used to reduce risk as much as reasonably practical and to respond appropriately when an incident occurs.

BSR ES1.5, Event Safety - 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.

Five ESTA standards approved and published

Five ESTA standards recently were approved and published. You can download them from http://tsp.esta.org/freestandards for FREE, or you can buy them from ANSI and IHS.

ANSI E1.8 - 2018 (R2023), Entertainment Technology -- Loudspeaker Enclosures Intended for Overhead Suspension -- Classification, Manufacture and Structural Testing, is the 2023 reaffirmation of the 2018 edition. This outlines what you should do so flown loudspeakers don't rain parts.

ANSI E1.21-2023, Temporary Structures Used for Technical Production of Outdoor Entertainment Events, is a revision of the 2020 edition.

ANSI ES1.40-2023, Event Safety – Security, is a new standard.

ANSI E1.46 - 2018 (R2023), Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms , is the 2023 reaffirmation of the 2018 edition. There's nothing new about not falling off a stage!

ANSI E1.72-2023, Powered Floor Machinery, is a new standard.

What do these standards say? Go to http://tsp.esta.org/freestandards and find out. They are free from that website. If you want to spend money, buy them from from ANSI or IHS. ANSI and IHS will like that, and ESTA will get a royalty.

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.

European Union Notification EU/1007

Notification date: 14 September 2023
Agency responsible: European Commission
EU enquiry point: grow-eu-tbt@ec.europa.eu
Products covered: Motor Vehicles; Road vehicles in general
Title: Draft Commission Regulation amending Commission Regulation (EU) 2017/1151 as regards the emission type approval procedures for light passenger and commercial vehicles running exclusively on CO_2 neutral fuels (5 pages and 4 pages in English)
Description of content: This draft Commission Regulation amends Commission Regulation (EU) 2017/1151 in order to allow type approval of vehicles running exclusively on CO_2 neutral fuels.
Objective and rationale: The proposal aims to allow type approval of vehicles running exclusively on CO_2 neutral fuels, as well as placing effective controls to ensure that such vehicles cannot run with other types of fuels; Protection of the environment
Relevant documents: Regulations (EU) No 715/2007 and 2017/1151, UN Regulation 154
http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1516290268107&uri=CELEX:32007R0715
EUR-Lex - 32017R1151 - EN - EUR-Lex (europa.eu)
UN Regulation No. 154 - Worldwide harmonized Light vehicles Test Procedure (WLTP) | UNECE
UN Regulation on RDE (Report of the Working Party on Pollution and Energy (GRPE) on its eighty-first session (9–12 June 2020) - Addendum 2 | UNECE)

Proposed date of adoption: February 2024
Proposed date of entry into force: 20 days from publication in the Official Journal of the EU
Final date for comments: 60 days from notification, 13 November 2023
Full text: http://ec.europa.eu/growth/tools-databases/tbt/en/
https://members.wto.org/crnattachments/2023/TBT/EEC/23_12353_00_e.pdf
https://members.wto.org/crnattachments/2023/TBT/EEC/23_12353_01_e.pdf

European Union Notification EU/1009
Notification date: 15 September 2023
Agency responsible: European Commission
EU enquiry point: grow-eu-tbt@ec.europa.eu
Products covered: Radio equipment for mobile communication services on board vessels (MCV services); Transport by water; Radiocommunications in general
Title: Draft Commission Implementing Decision on harmonised conditions for the use of radio spectrum for mobile communication services on board vessels in the Union, repealing Decision 2010/166/EU (5 pages and 7 pages in English)
Description of content: This draft Commission Implementing Decision requires EU Member States to designate and make available, on a non-exclusive, non-interference and non-protected basis, the frequency bands 880-915 MHz, 925-960 MHz, 1 710-1 785 MHz, 1 805-1 880 MHz, 1 920-1 980 MHz, 2 110-2 170 MHz 2 500-2 570 MHz and 2 620-2 690 MHz for the implementation of GSM, UMTS, LTE non-AAS and 5G NR non-AAS on board vessels, in compliance with the technical conditions set out in the Annex to the Decision. It repeals Commission Decision 2010/166/EU.
Objective and rationale: This Decision is addressed to the EU Member States. The purpose of this Decision is to harmonise the technical conditions for the availability and efficient use of radio spectrum in the 1 710-1 785 MHz, 1 805-1 880 MHz, 2 500-2 570 MHz and 2 620-2 690 MHz for the implementation of 5G NR non-AAS on board vessels, in addition to the existing EU-level regulatory framework, and to protect existing usages within and in adjacent band; Harmonization
Relevant documents: Draft Commission Implementing Decision as mentioned above.
Proposed date of adoption: December 2023
Proposed date of entry into force: December 2023
Final date for comments: 60 days from notification, 14 November 2023
Full text: http://ec.europa.eu/growth/tools-databases/tbt/en/
https://members.wto.org/crnattachments/2023/TBT/EEC/23_12401_01_e.pdf
https://members.wto.org/crnattachments/2023/TBT/EEC/23_12401_00_e.pdf

Japan Notification JPN/783
Notification date: 11 September 2023
Agency responsible: Ministry of Internal Affairs and Communications
Japan enquiry point: enquiry@mofa.go.jp
Products covered: Wireless LAN (WLAN) System (5.2, 6 GHz band)
Title: Partial revision of Regulations for Radio Equipment etc. (8 pages in English)
Description of content: Amendment to the regulation for the above WLAN System.
Objective and rationale: The reason for this amendment is to update 5.2 GHz and 6 GHz band by WLAN System to use.
Relevant documents: The basic law is the Radio Law (1950 Law No.131).
https://www.japaneselawtranslation.go.jp/en/laws/view/3205
Proposed date of adoption: September 2023
Proposed date of entry into force: December 2023
Final date for comments: 60 days from notification, 10 November 2023
Full text: https://members.wto.org/crnattachments/2023/TBT/JPN/23_12258_00_e.pdf

United States of America Notification USA/2048
Name of local government involved: State of New Jersey
Notification date: 18 September 2023
Agency responsible: Department of Environmental Protection, State of New Jersey [2079]
USA WTO TBT Enquiry Point: usatbtep@nist.gov

Products covered: Vehicle emissions; Environmental protection; Transport exhaust emissions; Road vehicles in general
Title: Advanced Clean Cars II Program (36 pages in English)
Description of content: Proposed rule - Amends rules to incorporate by reference California's Advanced Clean Cars II regulations, which will require manufacturers of passenger cars and light-duty trucks to meet an annual zero-emission vehicle requirement intended to increase the percentage of ZEVs sold in the State that meet the new minimum technical requirements.
Objective and rationale: Protection of the environment
Relevant documents: New Jersey Register, Volume 55, Issue 16, 21 August 2023
New Jersey Department of Environmental Protection Proposed Rule:
https://dep.nj.gov/rules/notice-of-rule-proposals/20230821a/
WTO Members and their stakeholders are asked to submit written comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 20 October 2023. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator if received within the comment period.
Proposed date of adoption: To be determined
Proposed date of entry into force: To be determined
Final date for comments: 20 October 2023
Full text: https://members.wto.org/crnattachments/2023/TBT/USA/23_12439_00_e.pdf

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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 30 October 2023

BSR/ASHRAE Addendum ci to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum makes changes to Clause 12 to add OPTION_FUNCTIONALITY_NOT_SUPPORTED; clarifies optionally supported command procedures, schedule object requirements, INVALID_ARRAY_SIZE, accumulator object scale datatype, BVLC-Result in BACnet/SC, and use of UNSUPPORTED_OBJECT_TYPE; relaxes DS-COV-A and DS-COVP-A; and adds time series exchange format BIBBs.
Single copy price: $35.00
Access and offer comments at http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASHRAE Addendum cn to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum clarifies Engineering Units.
Single copy price: $35.00
Access and offer comments at http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASHRAE Addendum co to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum clarifies Reliability-Evaluation and changes Clause 12 to add language to Event and Fault Parameter for consistency.
Single copy price: $35.00
Access and offer comments at http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/ASHRAE Addendum cp to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum adds Authentication and Authorization; BACnet/SC Options to Support Authentication and Authorization; Device Object Properties to support Authentication and Authorization; Data Structures to support Authentication and Authorization; Error Codes to support Authentication and Authorization; PICS statements to support Authentication and Authorization capabilities; New definitions for Authentication and Authorization; New BIBBs and Profiles for Authentication and Authorization; and Examples for Authentication and Authorization.
Single copy price: $35.00

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

BSR/ASHRAE Addendum cq to ANSI/ASHRAE Standard 135-2020, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)
This addendum defines a new “short form” for Array, List, and SequenceOf base types and formally defines the existing “short form” for primitives.
Single copy price: $35.00
Access and offer comments at http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/CGA G-5-202x, Hydrogen (new standard)
This publication provides information on the physical and chemical properties of hydrogen and proper handling and use. It is intended to provide background information for personnel involved in the manufacture, distribution, and use of hydrogen.
Single copy price: Free
Obtain an electronic copy from kmastromichalis@cganet.com
Send comments to kmastromichalis@cganet.com

BSR/IAPMO USHGC 1-2024-202x, Uniform Solar, Hydronics & Geothermal Code (revision of ANSI/IAPMO USHGC 1-2021)
The provisions of this code applies to the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of solar energy, hydronic, and geothermal energy systems including but not limited to equipment and appliances intended for space heating or cooling; water heating; swimming pool heating or process heating; and snow and ice melt systems.
Single copy price: $10.00
Obtain an electronic copy from Hugo.Aguilar@iapmo.org
Send comments to Hugo.Aguilar@iapmo.org

BSR/IAPMO USPSHTC 1-2024-202x, Uniform Swimming Pool, Spa & Hot Tub Code (revision of ANSI/IAPMO USPSHTC 1-2021)
The provisions of this code shall apply to the erection, installation, alteration, addition, repair, relocation, replacement, addition to, use, or maintenance of swimming pool, spa, or hot tub systems.
Single copy price: $10.00
Obtain an electronic copy from Hugo.Aguilar@iapmo.org
Send comments to Hugo.Aguilar@iapmo.org

BSR/IAPMO/WESTAND-202x, Water Efficiency and Sanitation Standard (revision of ANSI/IAPMO WEStand-2020)
The purpose of this standard is to provide minimum requirements to optimize water-use practices attributed to the built environment while maintaining protection of the public health, safety, and welfare.
Single copy price: $10.00
Obtain an electronic copy from Hugo.Aguilar@iapmo.org
Send comments to Hugo.Aguilar@iapmo.org

BSR/PEARL EERS-202x, Electrical Equipment Reconditioning Standard for Electrical Apparatus and Equipment used in Commercial and Industrial Applications (revision of ANSI/PEARL EERS-2018)
This standard describes procedures necessary to assess, recondition, and validate electrical equipment to safely reuse. It is prepared from a reconditioning shop perspective and intended to be a resource for trained and experienced in-shop technicians, giving them a view of inspection points and critical components and subassemblies in appropriate order to affect the reconditioning procedure. The standard relates to power distribution systems and components ranging to 38,000 VAC and magnetic control devices and systems up to 5,000 VAC.
Single copy price: Free
Obtain an electronic copy from mtierney@kellencompany.com or kbishop@kellencompany.com
Send comments to them.

Due 6 November 2023

BSR/NISO Z39.105-202x, Content Profile/Linked Document (new standard)
This standard is an application of HTML5 and JSON-LD to create semantic relationships between data elements in scholarly publishing workflows and express machine actionable content, to ease reuse and interchange of scholarly research information. The format description defines a set of rules that outline the minimal characteristics of documents (Linked Documents) that conform to the standard and a mechanism to define more detailed Content Profiles that extend and refine the rules for specific use cases.
Single copy price: Free
Obtain an electronic copy from http://www.niso.org/contact/
Send comments to nisohq@niso.org

Due 14 November 2023

BSR/INCITS/ISO/IEC 8652:2023 [202x], Information technology - Programming languages - Ada (identical national adoption of ISO/IEC 8652:2023)
Specifies the form and meaning of programs written in Ada. Its purpose is to promote the portability of Ada programs to a variety of computing systems.
Single copy price: $263.00
Obtain an electronic copy from http://webstore.ansi.org
Send comments to Barbara Bennett <comments@standards.incits.org>

BSR/INCITS/ISO/IEC 25059:2023 [202x], Software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Quality model for AI systems (identical national adoption of ISO/IEC 25059:2023)
Outlines a quality model for AI systems and is an application-specific extension to the standards on SQuaRE. The characteristics and sub-characteristics detailed in the model provide consistent terminology for specifying, measuring, and evaluating AI system quality. The characteristics and sub-characteristics detailed in the model also provide a set of quality characteristics against which stated quality requirements can be compared for completeness.
Single copy price: $116.00
Obtain an electronic copy from http://webstore.ansi.org
Send comments to Barbara Bennett <comments@standards.incits.org>

Due 21 November 2023

BSR/UL 6288-202X, Standard for Safety for Decorative Lighting Cords (new standard)
Create a new standard for decorative cords will allow for a more targeted and responsive approach to standards development and maintenance
Single copy price: Free
Order from: https://www.shopulstandards.com/
Offer comments at https://csds.ul.com/ProposalAvailable

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/.

Due 8 November 2023

BS EN IEC 63494-1 Ed. 1.0 BS EN 63494-1 Ed. 1.0 Lighting System Electro-Mechanical Interfaces -. Part 1: Safety
This document specifies the safety requirements for electro-mechanical interfaces connecting lighting system devices to luminaires. These interfaces are used to mechanically connect, electrically power, and enable communication of lighting system devices on luminaires. Electro-mechanical interfaces up to and including 1 000 V AC or 1 500 V DC are included. The document specifies safety related mechanical, electrical, ambient conditions, and construction requirements for the interface components including protective covers. Specific requirements for the devices that can utilize the interface, such as sensors, communication modules, cameras, et cetera, are out of scope for this document.

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.

BSR/AWS C1.1M/C1.1-202x, Recommended Practices for Resistance Welding (revision of ANSI/AWS C1.1M/C1.1-2022-AMD1)
This Recommended Practices is [*sic*] a collection of data and procedures that are intended to assist the user in setting up resistance welding equipment to produce resistance welded production parts. While the recommendations included are not expected to be final procedures for every production part or every welding machine, they serve as starting points from which a user can establish acceptable welding machine settings for specific production welding applications. In some cases, recommended machine data is not available. In these instances, some description of the process is given to assist the reader in determining if the process might be suitable for the application.
Contact Mario Diaz <mdiaz@aws.org>

BSR/RESOLVE RES-003-202x, Reusable packaging systems design specifications and recommendations: Labeling (new standard)
This standard specifies visual and verbal requirements, including a reuse symbol, colors, fonts, and text that should be incorporated into product labeling, return point designs, and reuse signage. The standard does not cover requirements for digital labels (e.g., barcodes or QR codes). The intent is to establish consistent reuse labeling that makes it easy for consumers to identify and use containers, return points, and other assets in a reuse system.
Contact Hannah Alday <halday@resolve.ngo>

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/ASHRAE/IES Addendum b to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022), 14 September 2023

ANSI/ATIS 0600015.03-2023, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI/ATIS 0600015.03-2016 (R2021)), 11 September 2023

ANSI/E1.21-2023, Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI/E1.21-2020), 18 September 2023

ANSI/E1.72-2023, Powered Floor Machinery (new standard), 18 September 2023

ANSI/ES1.40-2023, Event Safety - Security (new standard), 18 September 2023

ANSI/NFPA 1-2024, Fire Code (revision of ANSI/NFPA 1-2021), 14 September 2023
ANSI/NFPA 101-2024, Life Safety Code (revision of ANSI/NFPA 101-2021), 14 September 2023

ANSI/NFPA 5000-2024, Building Construction and Safety Code (revision of ANSI/NFPA 5000-2021), 14 September 2023

ANSI/UL 1598C-2023, Standard for Safety for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598c-2017), 8 September 2023

ANSI/UL 1650-2019 (R2023), Standard for Portable Power Cable (reaffirmation of ANSI/UL 1650-2019), 7 September 2023

ANSI/UL 588-2023, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2022), 8 September 2023

ANSI/UL 943-2023, Standard for Safety for Ground-Fault Circuit-Interrupters (revision of ANSI/UL 943-2018), 5 September 2023

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.

108/813/CD, IEC 63315 ED1: Audio/Video, Information and Communication Technology Equipment - Safety - DC power transfer between ICT equipment ports using ICT wiring and cables at - 60 V DC, 10 November 2023

ISO/DIS 14072, Environmental management - Life cycle assessment - Requirements and guidelines for organizational life cycle assessment, 26 November 2023, $88.00

ISO/DIS 14075, Environmental management - Principles and framework for social life cycle assessment, 26 November 2023, $98.00

65E/1029/CDV, IEC 63270 ED1: Industrial automation equipment and systems - Predictive maintenance, 1 December 2023

34A/2365/CDV, IEC 62868-2-4 ED1: Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-4: Particular requirements - Rigid OLED tiles and panels, 8 December 2023

34A/2366/CDV, IEC 62868-1/AMD1 ED1: Amendment 1 -Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests, 8 December 2023

34A/2367/CDV, IEC 62868-2-1/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-1: Particular requirements - Semi-integrated OLED modules, 8 December 2023

34A/2368/CDV, IEC 62868-2-2/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-2: Particular requirements – Integrated OLED modules, 8 December 2023

34A/2369/CDV, IEC 62868-2-3/AMD1 ED1: Amendment 1 - Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements – Flexible OLED tiles and panels, 8 December 2023

34/1095/CD, IEC 63494-1 ED1: Lighting System ElectroMechanical Interfaces - Part 1: Safety, 8 December 2023

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 ANSI Webstore.

IEC 62386-305 Ed. 1.0 b:2023, Digital addressable lighting interface - Part 305: Particular requirements - Input devices - Colour sensor, $190.00

IEC SRD 63416 Ed. 1.0 en:2023, Ethical considerations of artificial intelligence (AI) when applied in the active assisted living (AAL) context, $190.00

IEC/TS 62443-1-5 Ed. 1.0 en:2023, Security for industrial automation and control systems - Part 1-5: Scheme for IEC 62443 security profiles, $95.00

ISO 17842-1:2023, Safety of amusement rides and amusement devices - Part 1: Design and manufacture, $263.00

ISO 23665:2023, Unmanned aircraft systems - Training for personnel involved in UAS operations, $210.00

ISO/IEC TR 7052:2023, Software engineering – Controlling frequently occurring risks during development and maintenance of custom software, $210.00

ISO/TR 37178:2023, Smart community infrastructures – Data exchange and sharing for the lamppost network in smart community, $77.00

ISO/TS 56010:2023, Innovation management – Illustrative examples of ISO 56000, $116.00

ESTA Standards Watch

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TSP meetings and Plugfest schedule

The next set of TSP working group meetings and Plugfest will be held at the Marriott DFW hotel in Westlake, Texas near the Dallas/Ft. Worth Airport. All the times shown are US Central Time. There is a “Reserve a Hotel Room” link at https://esta.org/ESTA/meetings.php. Plugfest information is at https://tsp.esta.org/tsp/news/plugfest.html.

CP E1.11 & E1.68, DMX512 TG	14:00 - 18:00	Friday 6 October 2023
CP E1.37-4, Firmware Upload TG	09:00 - 13:00	Sunday 8 October 2023
CP E1.37-8, IPv4/v6 RDM Config TG	14:00 - 17:00	Saturday 7 October 2023
CP E1.63, NAEP TG	17:00 - 18:00	Saturday 7 October 2023
CP E1.73, UDR TG	09:00 - 13:00	Friday 6 October 2023
CP E1.77, sACN Security TG	14:00 - 18:00	Thursday 5 October 2023
CP NextGen Overall/Transport Study Group TG	09:00 - 10:00	Thursday 5 October 2023
CP NextGen Transport TG	10:00 - 13:00	Thursday 5 October 2023
Control Protocols (CP) WG	09:00 - 13:00	Saturday 7 October 2023
Electrical Power WG	19:00 - 22:00	Friday 6 October 2023
Event Safety WG	14:00 - 18:00	Saturday 7 October 2023
Floors WG	13:00 - 16:00	Friday 6 October 2023
Fog & Smoke WG	noon - 15:00	Thursday 5 October 2023
Followspot WG	10am - 11:00	Thursday 5 October 2023
Photometrics WG	10:00 - noon	Friday 6 October 2023
Plugfest	17:00 - 23:00	Wednesday 4 October 2023
	09:00 - 23:00	Thursday 5 October 2023
	09:00 - 23:00	Friday 6 October 2023
	09:00 - 23:00	Saturday 7 October 2023
	09:00 - 23:00	Sunday 8 October 2023
Rigging WG	19:00 - 23:00	Saturday 7 October 2023
Stage Machinery WG	16:00 - 18:00	Friday 6 October 2023
Technical Standards Council	09:00 - 13:00	Sunday 8 October 2023
Weapons Safety WG	16:00 - 20:00	Thursday 5 October 2023

TG = Task Group meeting
WG = Working Group meeting

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