



ESTA Standards Watch

Late January 2023

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Three ESTA standards approved and published

Three new standards are available for free download at <http://tsp.esta.org/freestandards>. They also are available for purchase at the [ANSI Web Store](#) and the [IHS Markit](#) for \$40.00 each.

ANSI ES1.18 - 2022, Event Safety - Rigging, provides minimum requirements and general guidelines to assist an event organizer or producer regarding the suspension of equipment and materials that are used in the technical production of organized events. It addresses the general requirements for design, planning, installation, set-up, removal, and operation of rigging activities. These activities may be conducted either indoors or outdoors, on structures either temporary or permanent in nature.

ANSI E1.28 - 2022, Guidance on planning followspot positions in places of public assembly, is a revision of the prior 2016 edition. It offers guidance on the planning of permanent followspot positions, including recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated, the amount of space likely to be needed, and the fall protection and egress issues to be

considered for the followspot operator's safety. It has been updated to include information about position apertures and glazing materials, such as glass and plastics.

ANSI E1.37-1 - 2012 (R2022), Additional Message Sets for ANSI E1.20 (RDM) -- Part 1, is part of the E1.37 project, and provides additional get/set parameter messages (PIDs). Most of the messages in this document are intended for use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

ESTA's Technical Standards Program continues to deliver the best safety standards for the Entertainment Industry. Go see what it's all about at <https://tsp.esta.org/tsp/index.html>!

FTC requests comments on “Green Guides”

The Federal Trade Commission (FTC) is seeking feedback on its environmental advertising guidelines, known as the “[Green Guides](#),” to help companies avoid misleading environmental claims about their products, services, and processes. As the FTC’s request pertains to international laws, regulations, or standards with respect to environmental marketing claims, the American National Standards Institute encourages stakeholders to respond by the FTC deadline on 21 February 2023.

A 2022 IBM [sustainability report](#) revealed that three out of five consumers indicated socially responsible or sustainable products made up at least half of their last purchase. As consumer interest in buying environmentally friendly products surges, companies continue to shift goals to deliver sustainability-focused products. To support trustworthy environmental claims, the FTC first issued its “Green Guides” in 1992, with the mission to help marketers avoid making environmental marketing claims that are unfair or deceptive under Section 5 of the *FTC Act* that prohibits “unfair or deceptive acts or practices in or affecting commerce.”

The FTC will address carbon offsets and climate change guidance, the terms “recyclable and recycled content,” and assess the need for additional guidance. Additionally, the commission seeks to address whether there are international laws, regulations, or standards with respect to environmental marketing claims it should consider as the FTC reviews “the Guides.” The FTC asks: “Should the Guides be modified to harmonize with these international laws, regulations, or standards? If so, why, and how? If not, why not?”

More information is available at the [Federal Register](#) and the [FTC press release](#).

Behind the Scenes offers virtual training

Behind the Scenes is offering virtual training in Mental Health First Aid and in Bystander Intervention

Mental Health First Aid virtual classes are posted for January and February at btshelp.org/mhfa. The course is delivered in two parts. The first is a two-hour self-paced online course that must be completed prior to a 6 hour virtual live instructor led session. The registration fee is \$125. IATSE Members and those working under IATSE agreements may be eligible for Training Trust Fund reimbursement upon proof of successful completion of the course. A limited number of partial and full scholarships are available to individuals not eligible for reimbursement. Private group classes of 15 -20 are available – contact mhfa@btshelp.org for information. Training for Canadians is available through the AFC at <https://afchelps.ca/mhfa>.

Bystander Intervention teaches you how to safely intervene if you see a co-worker being bullied or intimidated. There are different ways to intervene to match your comfort level? In 90 minutes you will learn five easily accessible tools, illustrated by relevant scenarios, for use in any workplace to safely intervene without the worry of retaliation. The next free webinar is on Monday, February 6th at 7pm EST. Additional webinars will be offered on April 30th and July 17th. The webinars are free but advance registration is required in order to receive the Zoom login. Please visit btshelp.org/bystander to select a registration link for the date of your choice.

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, with no due-date announcements first.

Brazil Notification BRA/1304/Add.1

Date issued: 23 January 2023

Title: Technical requirements for conformity assessment of cables for data transmission.

Description: ANATEL Public Consultation No. 7, 14 January 2022, – previously notified through G/TBT/N/BRA/1304, which establishes technical requirements for conformity assessment of flexible or solid driver-conductor cables - categories 7, 7A and 8 with a capacity of four shielded pairs and impedance of 100 ohms and categories 5e, 6 and 6A with a capacity of two or four pairs with or without shielding and braided impedance pair of 100 ohms of gauge 22 to 28 AWG was adopted as an act – Act Number 384, 16 January 2023.

Entered into force: 17 January 2023

Text: <https://informacoes.anatel.gov.br/legislacao/atos-de-certificacao-de-produtos/2023/1828-ato-384>

Taiwan Notification TPKM/504/Add.1

Date issued: 10 January 2023

Title: Amendments to the Legal Inspection Requirements for Plugs and Socket-Outlets for Fixed Wiring and 7 Other Power Distribution Products

Description: The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu would like to notify that the "Amendments to the Legal Inspection Requirements for Plugs and Socket-Outlets for Fixed Wiring and 7 Other Power Distribution Products," as per G/TBT/N/TPKM/504 on 13 September 2022, was promulgated on 9 January 2023 and will come into effect on 1 January 2025.

Measure adopted: 9 January 2023

Measure published: 9 January 2023

Date of entry into force: 1 January 2025

Text: https://members.wto.org/crnattachments/2023/TBT/TPKM/final_measure/23_0311_00_e.pdf,
https://members.wto.org/crnattachments/2023/TBT/TPKM/final_measure/23_0311_00_x.pdf

Canadian Notification CAN/688

Date issued: 16 January 2023

Agency responsible: Environment and Climate Change Canada

National inquiry point: Technical Barriers and Regulations Division, Global Affairs Canada,
enquiry@international.gc.ca

Products covered: Motor cars and other motor vehicles principally designed for the transport of persons

Title: Proposed Regulations Amending the Passenger Automobile and Light Truck Greenhouse Gas Regulations (59 pages in English, 59 pages in French)

Description of content: The Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations have established progressively more stringent greenhouse gas emission standards for new light-duty vehicles since the 2011 model year. In the December 2020 Strengthened Climate Plan, the Government announced its intention to improve the efficiency of light-duty vehicles in the post-2025 period by aligning with the most stringent standards in North America. The 2030 Emissions Reduction Plan subsequently committed the Government to develop a light-duty vehicles (LDV) zero emission vehicle (ZEV) sales mandate, which will set annually increasing requirements towards achieving 100% LDV ZEV sales by 2035, including mandatory interim targets of at least 20% of all new LDVs offered for sale by 2026 and at least 60% by 2030.

The proposed Regulations would implement these commitments by amending the current Regulations to add zero-emission vehicle requirements, beginning with model year 2026, as well as making administrative amendments to the current Regulations on pre-2026 model year vehicles, beginning with model year 2023.

The most recent publication of Environment and Climate Change Canada's Regulations Amending the Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations will help Canada achieve its climate commitments.

Objective and rationale: Protection of the environment and human health

Relevant documents: Canada Gazette, Part I, 31 December 2022, pages 6253-6311,
<https://canadagazette.gc.ca/rp-pr/p1/2022/2022-12-31/pdf/g1-15653.pdf>

Passenger Automobile and Light Truck Greenhouse Gas Emission Regulations:

<https://laws-lois.justice.gc.ca/eng/regulations/SOR-2010-201/index.html>

Canadian Environmental Protection Act, 1999, subsection 93(1) and sections 160, 162, and 326: <https://laws-lois.justice.gc.ca/eng/acts/C-15.31/>

Proposed date of adoption: Within 18 months of publication in the Canada Gazette, Part I, which was published 2022-12-31.

Proposed date of entry into force: The proposed Amendments would come into force on the day on which they are registered.

Final date for comments: 16 March 2023

Text: <https://canadagazette.gc.ca/rp-pr/p1/2022/2022-12-31/html/reg1-eng.html> (anglais)

<https://canadagazette.gc.ca/rp-pr/p1/2022/2022-12-31/html/reg1-fra.html> (français)

Rwanda Notification RWA/784

Date issued: 23 January 2023

Agency responsible: Rwanda Standards Board (RSB), info@rsb.gov.rw

Products covered: services. company organization, management and quality. administration. transport. sociology

Title: DRS 560: 2023, Gender equality — Requirements for promotion, implementation and accountability (31 pages in English)

Description of content: This Draft Rwanda Standard specifies requirements for promoting, implementing and accounting for gender equality in all categories of organizations regardless of their location, size and field of activities. This document focuses on addressing gender inequalities existing between women and men; girls and boys.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of human health or safety; Quality requirements

Proposed date of adoption: To be determined

Proposed date of entry into force: To be determined

Final date for comments: 60 days from notification, 24 March 2023

Text: https://members.wto.org/crnattachments/2023/TBT/RWA/23_0558_00_e.pdf

Ukraine Notification UKR/222/Rev.1

Date issued: 23 January 2023

Agency responsible: Ministry of Health of Ukraine

Products covered: Hazardous chemicals

Title: Draft Resolution of the Cabinet of Ministers of Ukraine "On Approval of the List of Hazardous Substances Prohibited for Use in Ukraine" (2 pages in Ukrainian, 2 pages in English)

Description of content: The draft Resolution provides for the approval of the List of hazardous chemicals, the use of which is prohibited in Ukraine. The draft Resolution is developed to implement Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) as regards the adoption of a list of hazardous chemicals prohibited for production and use at work, which will be further revised and supplemented.

Objective and rationale: To prevent the exposure of workers to health risks from certain chemical substances and/or certain activities involving chemical substances; Protection of human health or safety; Protection of the environment; Harmonization

Relevant documents: The Law of Ukraine "On Labor Protection"; The Law of Ukraine "On the Public Health System"; The Law of Ukraine "On Ensuring Sanitary and Epidemiological and Epidemiological Welfare of the Population"

Proposed date of adoption: To be determined

Proposed date of entry into force: 1 October 2023

Final date for comments: 60 days from notification, 24 March 2023

Text: <https://moz.gov.ua/article/public-discussions/proekt-postanovi-kabinetu-ministriv-ukraini-pro-zatverdzhennja-pereliku-nebezpechnih-rechovin-zaboronjenih-dlja-zastosuvannja-v-ukraini>

https://members.wto.org/crnattachments/2023/TBT/UKR/23_0618_00_e.pdf

https://members.wto.org/crnattachments/2023/TBT/UKR/23_0618_00_x.pdf

USA Notification USA/1959

Date issued: 19 January 2023

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

Products covered: General service lamps; Environmental protection (ICS code: 13.020); Lamps and related equipment (ICS code: 29.140)

Title: Energy Conservation Program: Energy Conservation Standards for General Service Lamps (82 pages in English)

Description of content: Notice of proposed rulemaking and announcement of public meeting on Wednesday, 1 February 2023 - The Energy Policy and Conservation Act, as amended ("EPCA"), directs the U.S.

Department of Energy (DOE) to initiate two rulemaking cycles for general service lamps (GSLs) that, among other requirements, determine whether standards in effect for GSLs should be amended. EPCA also requires DOE to periodically determine whether more-stringent, standards would be technologically feasible and economically justified, and would result in significant energy savings. In this notice of proposed rulemaking (NOPR), DOE proposes amended standards for GSLs pursuant to its statutory authority in EPCA, and also announces a webinar to receive comments on its proposal and associated analyses and results.

Objective and rationale: Prevention of deceptive practices and consumer protection; Protection of the environment

Relevant documents: 88 Federal Register (FR) 1638, 11 January 2022; Title 10 Code of Federal Regulations (CFR) Part 430: <https://www.govinfo.gov/content/pkg/FR-2023-01-11/pdf/2022-28072.pdf>

DOE will hold a public meeting via webinar on Wednesday, 1 February 2023, from 1 p.m. to 4 p.m. Eastern Time. See section IX, "Public Participation," for webinar registration information, participant instructions, and information about the capabilities available to webinar participants. This notice of proposed rulemaking and announcement of public meeting is identified by Docket Number EERE-2022-BT-STD-0022. The Docket Folder is available on Regulations.gov at

<https://www.regulations.gov/docket/EERE-2022-BT-STD-0022/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 27 March 2023. 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/874 and subsequent addenda and corrigenda - Energy Efficiency Program for Consumer Products: Energy Conservation Standards for General Service Lamps identified by Docket Numbers EERE-2013-BT-STD-0051, EERE-2017-BT-NOA-0052 and EERE-2018-BT-STD-0010. G/TBT/N/USA/1440 and subsequent addenda - Energy Conservation Program: Energy Conservation Standards for General Service Lamps identified by Docket Number EERE-2018-BT-STD-0010.

Proposed date of adoption: To be determined

Proposed date of entry into force: To be determined

Final date for comments: 27 March 2023

Text: https://members.wto.org/crnattachments/2023/TBT/USA/23_0397_00_e.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 27 February 2023

BSR/ASSP A10.25-202X, Sanitation in Construction (revision and redesignation of ANSI/ASSE A10.25-2017)

This standard applies to all construction jobsites and covers potable water, toilet and hand-washing facilities located on a jobsite. It assures that employees are provided with adequate potable water, hand-washing and sanitary waste-disposal facilities.

Single copy price: \$110.00

Order from and send comments to Tim Fisher, TFisher@ASSP.org

BSR/AWS C3.11M/C3.11-202x, Specification for Torch Soldering (new standard)

This specification describes relevant equipment, fabrication procedures, and quality (inspection) requirements for the torch soldering of materials. This document includes criteria for classifying torch-soldered joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class.

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

Order from send comments to Kevin Bulger, kbulger@aws.org

Due 6 March 2023

BSR/ASA S3.46-2013 (R202x), Methods of Measurement of Real-Ear Performance Characteristics of Hearing Aids (reaffirmation of ANSI/ASA S3.46-2013 (R2018))

This standard defines procedures for performing and reporting a battery of tests for the evaluation of human vestibular function. Six different tests are specified. Stimuli are presented to evoke eye movement by a subject whose response is determined either by measurement of electrical signals generated by the eye movements or by image processing methods applied to video eye movements. The Standard specifies test procedures, measurements, data analysis, and data reporting requirements. These tests, including the data analysis and reporting procedures, are called the Basic Vestibular Function Test Battery.

Single copy price: \$153.00

Order from and send comments to standards@acousticalsociety.org

BSR/ASHRAE/ICC/IES/USGBC Addendum ap to BSR/ASHRAE/ICC/IES/USGBC Standard 189.1-202x, 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)

This addendum updates the references in Section 11 Normative References. Previous changes were made by addendum bo and other addenda either pending public review or currently in public review make other reference updates. Previously published addenda also made changes to Section 11 which are not shown here.

Single copy price: \$35.00

Obtain an electronic copy from standards.section@ashrae.org

Offer comments at <https://www.ashrae.org/technical-resources/standards-andguidelines/public-review-drafts>

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

This proposed addendum adds a new informative annex which provides guidance to authorities wishing to generate performance targets based on local or emissions data.

Single copy price: \$35.00

Access and offer comments at <https://www.ashrae.org/technical-resources/standards-and-guidelines/publicreview-drafts>

BSR/IICRC S540-202x, Standard for Trauma and Crime Scene Cleanup (revision of ANSI/IICRC S540-2017)

The S540 standard defines criteria and methodology used by the technician for inspecting and investigating blood and other potentially infectious material (OPIM) contamination and for establishing work plans and procedures. The Standard describes the procedures to be followed by professionals and the precautions to be taken when performing trauma and crime scene cleanup regardless of surface, item, or location.

Single copy price: Free

Access and offer comments at <https://iicrc.org/s540/>

Due 21 March 2022

INCITS/ISO/IEC 38503:2022 [202x], Information technology - Governance of IT - Assessment of the governance of IT (identical national adoption of ISO/IEC 38503:2022)

Provides guidance on the assessment of governance of information technology (IT) based on the principles, definitions and model for the governance of IT outlined in ISO/IEC 38500 and ISO/IEC TR 38502 and the implementation considerations outlined in ISO/IEC TS 38501. Includes approaches for conducting the assessment, the criteria against which the assessment can be made, guidance on the evidence that can be used for the assessment, and a method for determining the maturity of the organization's governance of IT.

Single copy price: \$149.00

Obtain an electronic copy from <https://webstore.ansi.org/>

CSA public review announcement

The CSA Group has announced a draft document 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 17 March 2023

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4459-2, Electrical systems and equipment not covered by the scope of the Code (amendment)

(A) Revise Section 2, by adding the following Rule:

2-034 Application of Code requirements (see Appendices B and C)

Installations not covered by the scope of this code shall not be used to meet the requirements of this Code.

(B) Add Appendix B Note on Rule 2-034 as follows:

Rule 2-034

In the rule, examples of installations not covered by the scope of this code include but are not limited to supply authority overcurrent protection and disconnecting means, as well as supply authority grounding and bonding conductors (see Clause C6.2.1 of Appendix C).

Rationale: To emphasize that CE Code Part I requirements are permitted to be met only by electrical equipment that is part of an electrical installation covered by the Scope of Part I. Equipment located in installations that are excluded from the scope of CE Code Part I cannot be used to meet the requirements of Part I. For example, electrical equipment located in electrical installations “employed by an electric... distribution system utility in the exercise of its function as a utility” (see Section 0 Scope list item a)) cannot be used to meet Part I bonding and grounding, overcurrent or disconnecting means requirements. A related parallel proposal has been made to revise the Rules of Procedure in Appendix C to prohibit the creation of a Subject for Subcommittee consideration if the request for an amendment contains wording related to electrical equipment and installations that are excluded from the Scope of this Code.

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/ASSP Z359.6-202x, Specifications and Design Requirements for Active Fall Protection Systems (revision and redesignation of ANSI ASSE Z359.6-2016)

This standard is intended for engineers who are trained as qualified persons and who have expertise in the design of active fall protection systems. It specifies requirements for the design and performance of complete active fall protection systems, including travel restraint, fall arrest, positioning, rope descent, and rescue.

Contact Lauren Bauerschmidt, LBauerschmidt@assp.org

BSR/RVIA DC-202x, Standard for DC Voltage Systems in Recreational Vehicles (revision and redesignation of ANSI/RVIA LV-2020)

This standard covers the installation of DC voltage electrical systems and devices within recreational vehicles.

Contact Tyler Reamer, treamer@rvia.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 C18.5M Part 1-2023, Portable Lithium Rechargeable Cells and Batteries - General and Specifications (revision of ANSI C18.5M Part 1-2020), 12 January 2023

ANSI E1.28-2022, Guidance on planning followspot positions in places of public assembly (revision of ANSI E1.28-2011 (R2021)), 5 January 2023

ANSI/AAMI SW96-2023, Standard for medical device security - Security risk management for device manufacturers (new standard), 13 January 2023

ANSI/NECA 1-2023, Standard for Good Workmanship in Electrical Construction (revision of ANSI/NECA 1-2006 (R2015)), 6 January 2023

ANSI/UL 3600-2023, Standard for Measuring and Reporting Circular Economy Aspects of Products, Sites and Organizations (new standard), 6 January 2023

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.) The sort order is by due-date.

34/1009/FDIS, IEC 62386-150 ED1: Digital addressable lighting interface - Part 150: Particular requirements - Auxiliary power supply, 24 February 2023

ISO/DIS 9241-920, Ergonomics of human-system interaction Part 920: Tactile and haptic interactions, 26 March 2023, \$88.00

ISO/IEC/IEEE DIS 24748-1, Systems and software engineering Life cycle management - Part 1: Guidelines for life cycle management, 30 March 2023, \$146.00

79/685/CD, IEC 62676-2-11 ED1: Alarm systems – Video Surveillance Systems (VSS) for use in security applications Part 2-11: Video transmission protocols - Interop profiles for VMS- and cloud VSaaS-systems for safe-cities and law enforcement, 31 March 2023

ISO/DIS 16311-3, Maintenance and repair of concrete structures - Part 3: Design of repairs, 31 March 2023, \$88.00

ISO/IEC DIS 5339, Information technology - Artificial intelligence Guidance for AI applications, 1 April 2023, \$93.00

ISO/IEC/IEEE DIS 24748-2, Systems and software engineering Life cycle management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes), 2 April 2023, \$134.00

ISO/DIS 22185-2, Diagnosing moisture damage in buildings and implementing countermeasures - Part 2: Condition assessment, 3 April 2023, \$67.00

ISO/DIS 16311-2, Maintenance and repair of concrete structures - Part 2: Assessment of existing concrete structures, 6 April 2023, \$112.00

77A/1162/CD, Electromagnetic compatibility (EMC) - Part 3-18: Limits - Assessment of network characteristics for the application of harmonic emission limits for equipment to be connected to LV distribution systems not presently covered by IEC 61000-3-2 and IEC 61000-3-12, 07 April 2023

64/2586/CD, IEC 60364-4-41/AMD2 ED5: Amendment 2 – Low voltage electrical installations - Part 4-41: Protection for safety Protection against electric shock, 5 May 2023

Recently published ISO documents

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

ISO 3021:2023, Adventure tourism - Hiking and trekking activities - Requirements and recommendations, \$175.00

ISO 4210-1:2023, Cycles - Safety requirements for bicycles – Part 1: Vocabulary, \$48.00

ISO 4210-2:2023, Cycles - Safety requirements for bicycles – Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles, \$175.00

ISO 4210-3:2023, Cycles - Safety requirements for bicycles – Part 3: Common test methods, \$73.00

ISO 4210-4:2023, Cycles - Safety requirements for bicycles – Part 4: Braking test methods, \$175.00

ISO 4210-5:2023, Cycles - Safety requirements for bicycles – Part 5: Steering test methods, \$111.00

ISO 4210-6:2023, Cycles - Safety requirements for bicycles – Part 6: Frame and fork test methods, \$175.00

ISO 4210-7:2023, Cycles - Safety requirements for bicycles – Part 7: Wheel and rim test methods, \$73.00

ISO 4210-8:2023, Cycles - Safety requirements for bicycles – Part 8: Pedal and drive system test methods, \$73.00

ISO 4210-9:2023, Cycles - Safety requirements for bicycles – Part 9: Saddles and seat-post test methods, \$73.00

ISO 16355-7:2023, Applications of statistical and related methods to new technology and product development process Part 7: Guidelines for developing digitalized products and services - General principles and perspectives of the QFD method, \$149.00

TSP meeting schedule

The ESTA meeting schedule is posted at <https://esta.org/ESTA/meetings.php> sorted by date. Below is the TSP meeting schedule from that web page sorted by working group name.

The next set of meetings will be held at the Wyndham Anaheim in conjunction with the NAMM Show. The meetings.php page has [a link to reserve a room](#) at the Wyndham Anaheim. The meetings will be via WebEx as well as in-person at the Wyndham. Note that all the times shown are Pacific Time.

Control Protocols Working Group	09:00 – 13:00 PDT	Thursday 13 April 2023
Electrical Power Working Group	14:00 – 17:00 PDT	Tuesday 11 April 2023
Event Safety Working Group	09:00 – 13:00 PDT	Friday 14 April 2023
Floors Working Group	19:00 – 23:00 PDT	Tuesday 11 April 2023
Fog & Smoke Working Group	09:00 – 13:00 PDT	Wednesday 12 April 2023
Photometrics Working Group	15:00 – 18:00 PDT	Thursday 13 April 2023
Rigging Working Group	19:00 – 23:00 PDT	Thursday 13 April 2023
Stage Machinery Working Group	14:00 – 18:00 PDT	Wednesday 12 April 2023
Technical Standards Council Council	14:00 – 18:00 PDT	Saturday 15 April 2023
Weapons Safety Working Group	09:00 – 13:00 PDT	Saturday 15 April 2023

ESTA Standards Watch

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If you would like to receive an email notice each time a new edition of *Standards Watch* is published, send a request to standards@esta.org.

The archive of *Standards Watch* issues back to the beginning of 2011 is available at <http://estalink.us/nn7a1>.

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

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

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Cisco

Disney Parks Live Entertainment

Columbus McKinnon Entertainment Technology

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

Altman Lighting, Inc.

Theatre Projects

McLaren Engineering Group

Theatre Safety Programs

Rose Brand

TMB

Stage Rigging

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

About the Stage

Michael Lay

B-Hive Industries, Inc.

Link

Scott Blair

John T. McGraw

Boston Illumination Group

Mike Garl Consulting

Candela Controls, Inc.

Mike Wood Consulting

Clark Reder Engineering

Lizz Pitsley

Tracey Cosgrove & Mark McKinney

Reed Rigging

Doug Fleenor Design

Reliable Design Services

Down Stage Right Industries Ltd.

Alan Rowe

EGI Event Production Services

Sapsis Rigging Inc.

Entertainment Project Services

SBS Lighting

Neil Huff

Steve A. Walker Associates

Interactive Technologies

Dana Taylor

iStudio Projects

Steve Terry

Jules Lauve

Vertigo

Brian Lawlor

WNP Services

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

Actors' Equity Association

Lex

Golden Sea Professional Lighting Provider

NAMM

IATSE Local 728

Texas Scenic Company

IATSE Local 891

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

American Society of Theatre Consultants

InterAmerica Stage, Inc.

Area Four Industries

Lycian Stage Lighting

BMI Supply

Niscon Inc.

City Theatrical Inc.

Tomcat Staging, Lighting and Support Systems

H&H Specialties, Inc.

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

Baxter Controls, Inc.

Jessica Sanders

ChamSix

Sehr Gute GmbH

Concept Smoke Systems Ltd.

David Thomas

Bruce William Darden

Techni-Lux

Ian Foulds

Tracy Underhill

Liberal Logic, Inc.

Ralph Weber

Luminator Technology Group

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

Harlequin Floors

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

High Output

InCord

iWeiss

Oasis Stage Werks

Stagemaker

Syracuse Scenery and Stage Lighting Co., Inc.

Vincent Lighting Systems

Wuhan Zhongtian Jiaye Mechanical & Electrical Eng.
Co.

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

Chip Scott Lighting Design

Matthew Douglas III

Beverly and Tom Inglesby

KASUGA

Bill McCord

Motion FX

Northern Lights Electronic Design

Shanxi Tian Gong Sheng Optoelectronic Equipment
Technology Co.

Sigma Net

Patrick Wallace

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