



# ESTA Standards Watch

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## A dozen ESTA standards in public review

Twelve standards are in public review at <http://estalink.us/pr> until 26 September 2023. The last day to comment is the 25th.

**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 all 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 withdrawn 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 including equipment 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.

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## **CE marking in the UK forever!**

The UK government intends to extend recognition of CE marking for placing most goods on the market in Great Britain indefinitely beyond December 2024. The 1 August 2023 update posted on the [UKCA guidance website](#) says this change applies to the 18 regulations that fall under the Department for Business and Trade. These are:

- toys
- pyrotechnics
- recreational craft and personal watercraft
- simple pressure vessels
- electromagnetic compatibility
- non-automatic weighing instruments
- measuring instruments
- measuring container bottles
- lifts
- equipment for potentially explosive atmospheres (ATEX)
- radio equipment
- pressure equipment
- personal protective equipment (PPE)
- gas appliances
- machinery
- equipment for use outdoors
- aerosols
- low voltage electrical equipment

There are different rules for [medical devices](#), [construction products](#), [cableways](#), [transportable pressure equipment](#), unmanned aircraft systems, [rail products](#), [marine equipment](#) and ecodesign. According to the website, the relevant departments covering these sectors either have communicated, or will communicate, plans “in due course.”

UKCA marking may be used for products put on the UK market. The technical requirements (sometimes referred to as “essential requirements”) that must be met for the UKCA marking will depend on the product-specific legislation.

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## **FCC proposes rules on cybersecurity labeling for IoT**

The U.S. Federal Communications Commission has released a [Notice of Proposed Rulemaking](#) to create a voluntary cybersecurity labeling program for Internet of Things devices and is seeking comments on the proposal. The program would allow qualifying products to bear a U.S. Cyber Trust Mark, helping consumers make informed purchasing decisions, differentiate trustworthy products in the marketplace, and create incentives for manufacturers to meet higher cybersecurity standards. The U.S. Cyber Trust Mark logo would appear on packaging alongside a QR code that could be scanned for more information.

Comments are being accepted on how to make the program effective, including:

- The scope of devices or products for sale in the U.S. that should be included
- Who should manage the program
- How to develop the security standards that could apply
- How to demonstrate compliance with those security standards
- How to safeguard the cybersecurity label against unauthorized use
- How to educate consumers about the program.

For more information, see the [Notice of Proposed Rulemaking](#), the [FCC Fact Sheet](#), and the [FCC webpage on the proposal](#). Comments may be filed electronically using the Internet by accessing the FCC's Electronic Comment Filing System at <https://www.fcc.gov/ecfs/>

## WTO Technical Barrier to Trade notifications

The World Trade Organization has announced Technical Barrier to Trade filings—all from the USA—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.

### United States of America Notification USA/2024

**Notification date:** 31 July 2023

**Agency responsible:** Environmental Protection Agency (EPA)

**National enquiry point:** [usatbtep@nist.gov](mailto:usatbtep@nist.gov)

**Products covered:** Carbon Tetrachloride

**Title:** Carbon Tetrachloride (CTC); Regulation Under the Toxic Substances Control Act (49 pages in English)

**Description of content:** Proposed rule - The Environmental Protection Agency (EPA) is proposing to address the unreasonable risk of injury to human health presented by carbon tetrachloride (CTC) under its conditions of use as documented in EPA's 2020 Risk Evaluation for Carbon Tetrachloride and 2022 Revised Unreasonable Risk Determination for Carbon Tetrachloride pursuant to the Toxic Substances Control Act (TSCA). CTC is a volatile, organic compound that is primarily used as a feedstock (i.e., processed as a reactant) in the making of products such as refrigerants, aerosol propellants, and foam-blowing agents. TSCA requires that EPA address by rule any unreasonable risk of injury to health or the environment identified in a TSCA risk evaluation and apply requirements to the extent necessary so that the chemical no longer presents unreasonable risk. EPA determined that CTC presents an unreasonable risk of injury to health due to cancer from chronic inhalation and dermal exposures and liver toxicity from chronic inhalation, chronic dermal, and acute dermal exposures in the workplace. To address the identified unreasonable risk, EPA is proposing under TSCA to establish workplace safety requirements for most conditions of use, including the condition of use related to the making of low Global Warming Potential (GWP) hydrofluoroolefins (HFOs), prohibit the manufacture (including import), processing, distribution in commerce, and industrial/commercial use of CTC for conditions of use where information indicates use of CTC has already been phased out, and establish recordkeeping and downstream notification requirements. The use of CTC in low GWP HFOs is particularly important in the Agency's efforts to support the American Innovation and Manufacturing Act of 2020 (AIM Act) and the Kigali Amendment to the Montreal Protocol on Substances that Deplete the Ozone Layer, which was ratified on 26 October 2022.

**Objective and rationale:** Protection of human health or safety; Protection of the environment

**Relevant documents:** 88 Federal Register (FR) 49180, 28 July 2023; Title 40 Code of Federal Regulations (CFR) Part 751: <https://www.govinfo.gov/content/pkg/FR-2023-07-28/pdf/2023-15326.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OPPT-2020-0592. The Docket Folder is available from Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OPPT-2020-0592/document> and provides access to primary and supporting 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 11 September 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.

**Proposed date of adoption:** To be determined

**Proposed date of entry into force:** To be determined

**Final date for comments:** 11 September 2023

**Text available at** [https://members.wto.org/crattachments/2023/TBT/USA/23\\_11383\\_00\\_e.pdf](https://members.wto.org/crattachments/2023/TBT/USA/23_11383_00_e.pdf)

## United States of America Notification USA/2025

**Notification date:** 2 August 2023

**Agency responsible:** Federal Communications Commission (FCC) [2057]

**National enquiry point:** [usatbtep@nist.gov](mailto:usatbtep@nist.gov)

**Products covered:** 42 GHz band; Radiocommunications; Mobile services in general; Satellite; Electromagnetic compatibility (EMC)

**Title:** Shared Use of the 42-42.5 GHz Band (25 pages and 11 pages in English)

**Description of content:** Proposed rule; solicitation of comment - In this document, the Federal Communications Commission (Commission or FCC) seeks comment on how innovative, non-exclusive spectrum access models might be deployed in the 42 GHz band (42–42.5 GHz) to provide increased access to high-band spectrum, particularly by smaller wireless service providers, and to support efficient, intensive use of the band. The Commission also seeks comment on how potential sharing and licensing regimes might lower barriers to entry for smaller or emerging wireless service providers, encourage competition, and prevent spectrum warehousing.

**Objective and rationale:** Quality requirements; Cost saving and productivity enhancement

**Relevant documents:** 88 Federal Register 49423, 31 July 2023; Title 47 Code of Federal Regulations (CFR) Part 0: <https://www.govinfo.gov/content/pkg/FR-2023-07-31/pdf/2023-16167.pdf>

<https://docs.fcc.gov/public/attachments/FCC-23-51A1.pdf>

This proposed rule; solicitation of comment is identified by Docket Number 23-158. The Docket Folder is available on the FCC's website at <https://www.fcc.gov/edocs/search-results?t=quick&dockets=23-158> and provides access to associated documents as well as comments received (if any). Documents are also accessible from the FCC's Electronic Document Management System (EDOCS) by searching the Docket Number. Comments are due on or before 4pm Eastern Time 30 August 2023; reply comments are due on or before 29 September 2023. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time 30 August 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 FCC Electronic Comment Filing System (ECFS) 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:** 30 August 2023; Reply comments are due on or before 29 September 2023.

Written comments on the Paperwork Reduction Act proposed information collection requirements must be submitted by the public, the Office of Management and Budget (OMB), and other interested parties on or before 29 September 2023. Written comments on the Initial Regulatory Flexibility Analysis (IRFA) in this document must have a separate and distinct heading designating them as responses to the IRFA and must be submitted by the public on or before 30 August 2023.

**Texts available from:** <https://www.govinfo.gov/content/pkg/FR-2023-07-31/pdf/2023-16167.pdf>

The above is a link to a summary; the full text of this document is available at:

<https://docs.fcc.gov/public/attachments/FCC-23-51A1.pdf>

[https://members.wto.org/crnattachments/2023/TBT/USA/23\\_11417\\_00\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/USA/23_11417_00_e.pdf)

[https://members.wto.org/crnattachments/2023/TBT/USA/23\\_11417\\_01\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/USA/23_11417_01_e.pdf)

## United States of America Notification USA/2029

**Notification date:** 8 August 2023

**Agency responsible:** Federal Communications Commission (FCC) [2060]

**National enquiry point:** [usatbtep@nist.gov](mailto:usatbtep@nist.gov)

**Products covered:** Video conferencing; IT terminal and other peripheral equipment; Interface and interconnection equipment

**Title:** Access to Video Conferencing (15 pages in English)

**Description of content:** Proposed rule - In this document, the Federal Communications Commission (FCC or Commission) proposes to amend its rules to ensure that interoperable video conferencing services (IVCS) are accessible to people with disabilities and to facilitate the integration and appropriate use of telecommunications relay services (TRS) with video conferencing. These amendments are proposed to meet the need for people with disabilities to participate fully in video conferences, a technology that appears to have permanently altered the norms of modern communication in the workplace, healthcare, education, social interaction, and civic life.

**Objective and rationale:** Consumer information, labelling; Prevention of deceptive practices and consumer protection; Quality requirements

**Relevant documents:** 88 Federal Register (FR) 52088, 7 August 2023; Title 47 Code of Federal Regulations (CFR) Parts 14 and 64: <https://www.govinfo.gov/content/pkg/FR-2023-08-07/pdf/2023-16672.pdf>  
<https://docs.fcc.gov/public/attachments/FCC-23-50A1.pdf>

The full text of the proposed rule is available at <https://www.fcc.gov/edocs/search-results?t=quick&dockets=23-161>. This proposed rule is identified by CG Docket No. 23-161, 10-213, 03-123 or FCC 23-50. For detailed instructions for submitting comments and additional information on the rulemaking process, see document FCC 23-50 at <https://docs.fcc.gov/public/attachments/FCC-23-50A1.pdf>. Documents are also accessible from the FCC's Electronic Document Management System (EDOCS) by searching the CG Docket Number. Comments are due on or before 6 September 2023; reply comments are due on or before 6 October 2023. WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 6 October 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 FCC Electronic Comment Filing System (ECFS) 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:** 6 October 2023

**Texts available from:** [https://members.wto.org/crnattachments/2023/TBT/USA/23\\_11576\\_00\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/USA/23_11576_00_e.pdf)  
[https://members.wto.org/crnattachments/2023/TBT/USA/23\\_11576\\_01\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/USA/23_11576_01_e.pdf)

#### United States of America Notification USA/2030

**Notification date:** 9 August 2023

**Agency responsible:** Nuclear Regulatory Commission

**National enquiry point:** [usatbtep@nist.gov](mailto:usatbtep@nist.gov)

**Products covered:** Nuclear power plant engineering; Quality; Accident and disaster control; Radiation protection; Nuclear energy engineering

**Title:** American Society of Mechanical Engineers 2021-2022 Code Editions (19 pages in English)

**Description of content:** Proposed rule - The U.S. Nuclear Regulatory Commission (NRC) is proposing to amend its regulations to incorporate by reference the 2021 Edition of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and the 2022 Edition of the American Society of Mechanical Engineers Operation and Maintenance of Nuclear Power Plants, Division 1: OM Code: Section IST, for nuclear power plants. This action is in accordance with the NRC's policy to periodically update the regulations to incorporate by reference new editions of the American Society of Mechanical Engineers Codes and is intended to maintain the safety of nuclear power plants and to make NRC activities more effective and efficient. This amendment also incorporates editorial changes that do not change the technical information.

**Objective and rationale:** Protection of human health or safety; Protection of the environment; Quality requirements

**Relevant documents:** 88 Federal Register (FR) 53384, 8 August 2023; Title 10 Code of Federal Regulations (CFR) Part 50: <https://www.govinfo.gov/content/pkg/FR-2023-08-08/pdf/2023-16686.pdf>

This proposed rule is identified by Docket Number NRC-2018-0289. The Docket Folder is available from Regulations.gov at <https://www.regulations.gov/docket/NRC-2018-0289/document> and provides access to primary and supporting 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 23 October 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.

**Proposed date of adoption:** To be determined

**Proposed date of entry into force:** To be determined

**Final date for comments:** 23 October 2023

**Text available from:** [https://members.wto.org/crnattachments/2023/TBT/USA/23\\_11606\\_00\\_e.pdf](https://members.wto.org/crnattachments/2023/TBT/USA/23_11606_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](mailto:psa@ansi.org).

### Due 11 September 2023

#### **BSR/ASSP A10.18-202X, Safety Requirements for Temporary Roof and Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges in Construction and Demolition Operations** (new standard)

This standard prescribes rules and establishes minimum safety requirements for the protection of employees and the public from hazards arising out of or associated with temporary roof and floor holes, wall openings, stairways, and other unprotected sides and edges, roofs, during construction and demolition activities. This standard applies only to those instances when the leading edge work is inactive and is not currently under construction and is, therefore, considered an unprotected side and edge.

Single copy price: \$110.00

Obtain an electronic copy from: Tim Fisher at [TFisher@ASSP.Org](mailto:TFisher@ASSP.Org)

Send comments to: Same

#### **BSR/LEO 5000-202x, Standard for Emissions Inventories, Offsets, and Reduction Credits** (new standard)

This standard addresses: emission inventories, offsets, reduction credits, TAGs/Tradable emission reduction certificates and sequestration certificates and other market mechanisms for recognizing emissions and emission reductions for businesses, organizations, projects and individuals. Current methodologies frequently only address a relatively narrow range of types of emissions and a narrow range of sources of emission reductions. This standard provides an integrated standard for emission inventories, offsets, reduction credits and TAGs/Tradable emission reduction certificates for the full range of emission reduction and sequestration measures. This project provides a multi-pollutant approach that will facilitate owners of energy efficiency, renewable energy and other emission reduction actions to calculate and earn emission reduction credits for all types of pollutants reduced.

Single copy price: \$100.00

Obtain an electronic copy from: [emissions@leonardoacademy.org](mailto:emissions@leonardoacademy.org)

Send comments to: Same

#### **BSR/UL 110-202x, Standard for Sustainability for Mobile Phones** (revision of ANSI/UL 110-2018)

This standard is designed to reduce adverse environmental and social impacts associated with the design, manufacture, use, and end-of-life management of mobile phones. Prior to establishment of this standard, there were various criteria to define the sustainability of mobile phones; however, they were not coordinated or combined into a set of metrics. The goal of this standard is to establish a set of multi-sustainability performance criteria addressing the life-cycle impacts of the product that may be used to evaluate the sustainability performance of mobile phones.

Single copy price: Free

Access and comment at <https://csds.ul.com/ProposalAvailable>

### Due 18 September 2023

#### **BSR/ASSP Z359.15-202x, Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest Systems** (revision and redesignation of ANSI ASSE Z359.15-2014)

This standard establishes requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance and storage, and removal from service of single anchor lifelines and fall arresters for users within the capacity range of 110 to 310 pounds (50 to 140 kg).

Single copy price: \$150.00

Obtain an electronic copy from: [LBauerschmidt@assp.org](mailto:LBauerschmidt@assp.org)

Send comments to: Same

#### **BSR/IES LM-85-23-202x, IES Approved Method: Optical and Electrical Measurements of LED Sources** (revision of ANSI/IES LM-85-2020)

This document provides guidance for the measurement of light emitting diode (LED) sources such as LED packages and LED arrays. The output of an LED source is strongly dependent on its operating conditions—in particular, the junction temperature.

Single copy price: \$25.00

Obtain an electronic copy from: [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)  
Send comments to: Patricia McGillicuddy <[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)>

**BSR NEMA MG 60034-31-202x, Efficiency Application Guidelines for the Selection of Motors Including Variable Speed Applications** (national adoption with modifications of IEC 60034-31:2021)

Provides a guideline of technical and economical aspects for the application of energy-efficient electric AC motors. Applies to motor manufacturers, OEMs (original equipment manufacturers), end users, regulators, legislators and other interested parties.

Single copy price: \$315.00

Obtain an electronic copy from: Michael Leibowitz <[mike.leibowitz@nema.org](mailto:mike.leibowitz@nema.org)>

Send comments to: Michael Leibowitz <[mike.leibowitz@nema.org](mailto:mike.leibowitz@nema.org)>

**BSR/RVIA A119.5-202x, Park Model Recreational Vehicle Standard** (revision of ANSI A119.5-2020)

This standard covers fire and life safety criteria and plumbing for Park Model Recreational Vehicles considered necessary to provide a reasonable level of protection from loss of life from fire and explosion. It reflects situations and the state of the art prevalent at the time the Standard was issued. Unless otherwise noted, it is not intended that the provisions of this document be applied to facilities, equipment, structures, or installations which were existing or approved for construction or installation prior to the effective date of the document, except in those cases where it is determined by the Authority Having Jurisdiction that the existing situation involves a distinct hazard to life or adjacent property.

Single copy price: Free

Obtain an electronic copy from: [treamer@rvia.org](mailto:treamer@rvia.org)

Send comments to: Tyler Reamer <[treamer@rvia.org](mailto:treamer@rvia.org)>

**BSR/SAAMI Z299.5-202X, Voluntary Industry Performance Standards Criteria for Evaluation of New Firearms Designs Under Conditions of Abusive Mishandling for the Use of Commercial Manufacturers** (revision of ANSI/SAAMI Z299.5-2016)

This standard provides procedures for evaluating new firearms designs and applies to rifle, shotguns, pistols, and revolvers. In the interest of safety, these tests are structured to demonstrate to the designer of new firearms that the product will resist abusive mishandling. These procedures are specifically understood not to apply to muzzle loading and black powder firearms of any type.

Single copy price: \$ANSI Member 35.00; Non-member 45.00

Obtain an electronic copy from: [bosowiecki@saami.org](mailto:bosowiecki@saami.org)

Send comments to: Brian Osowiecki, [bosowiecki@saami.org](mailto:bosowiecki@saami.org)

**BSR/UL 2011-202x, Standard for Industrial and General Use Machines** (new standard)

These requirements cover industrial machines intended for ordinary (unclassified) locations use, and for hazardous (classified) locations use, operating from a voltage of 1000 V or less. This equipment is intended for installation, in accordance with the National Electrical Code (NEC), ANSI/NFPA 70, where the ambient temperature shall be between 5°C (41°F) and 40°C (104°F) maximum, unless otherwise specified.

Single copy price: Free

Access and offer comments at <https://csds.ul.com/ProposalAvailable>.

**Due 25 September 2023**

**BSR/ASHRAE Addendum 62.1c-202x, Ventilation and Acceptable Indoor Air Quality** (addenda to ANSI/ASHRAE Standard 62.1-2022)

This proposed addendum provides a calculator for mass balance equations used with the revised indoor air quality procedure; it also updates the reference for mass balance calculations in the CONTAM User Guide.

Single copy price: \$35.00

Access at <https://www.ashrae.org/technicalresources/standards-and-guidelines/public-review-drafts>

**BSR/AWC FDS-202x, Fire Design Specification for Wood Construction** (revision and redesignation of ANSI/AWC FDS-2022)

This standard provides designers with a document that includes procedures, calculations, and specific language necessary for design of wood buildings to comply with general design requirements in codes and other referenced standards. This standard incorporates provisions from Chapter 16 of ANSI/AWC NDS-2018 (National Design



Specification for Wood Construction) which cover the design of exposed wood members and expands those provisions to provide calculation procedures to address the added fire resistance and thermal benefits of protection provided by use of additional wood, gypsum panel products, and insulation. There are provisions for calculating thermal separation and burn-through requirements as required for assemblies in ASTM E119.  
Single copy price: \$50.00

Obtain an electronic copy from: [bdouglas@awc.org](mailto:bdouglas@awc.org)

Send comments to: Bradford Douglas <[bdouglas@awc.org](mailto:bdouglas@awc.org)>

**BSR/AWC NDS-202x, National Design Specification® for Wood Construction** (revision and redesignation of ANSI/AWC NDS-2018)

Revise current version of ANS/NDS-2018, primarily to update provisions to latest state-of-the-art wood engineering.

Single copy price: \$50.00

Obtain an electronic copy from: [bdouglas@awc.org](mailto:bdouglas@awc.org)

Send comments to: Bradford Douglas <[bdouglas@awc.org](mailto:bdouglas@awc.org)>

**BSR/UL 508-202x, Standard for Safety for Industrial Control Equipment** (revision of ANSI/UL 508-2021)

Proposed revisions to UL 508, Standard for Industrial Control Equipment, which include the following: (1) Revisions to Address Changes to UL 869A; (2) Clarification of Ambient for Tests; (3) Remove Exception to Clause 69.5 for Definite Purpose Motor Controllers; (4) Move Pressure Test to General Section; (5) Remove Programmable Controllers from UL 508; (6) Correction to Section 50; (7) Correction to UL 50 References; (8) Editorial Update to Remove Appendix A.

Single copy price: Free

Access and offer comments at <https://csds.ul.com/ProposalAvailable>

**Due 3 October 2023**

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

This standard covers escalator and moving walk driving machine brake and driving machine motor-controlled dynamic braking systems in accordance with ASME A17.1/CSA B44, Safety Code for Elevators and Escalators.

Single copy price: Free

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments to: Geraldine Burdeshaw <[burdeshawg@asme.org](mailto:burdeshawg@asme.org)>

**Due 10 October 2023**

**BSR/UL 217-202x, Standard for Smoke Alarms** (revision of ANSI/UL 217-2022)

These requirements cover electrically operated single and multiple station smoke alarms intended for open area protection in indoor locations and portable smoke alarms used as "travel" alarms in accordance with: (a) National Fire Alarm and Signaling Code, NFPA 72; (b) Standard for Recreational Vehicles, NFPA 501C, for smoke alarms intended for use in recreational vehicles; (c) For smoke alarms intended for use in recreational boats: (1) Fire Protection Standard for Pleasure and Commercial Motor Craft, NFPA 302, (2) AC and DC Electrical Systems on Boats, ABYC E-11, and (3) The applicable regulations of the United States Coast Guard. This project will include additions or revisions to: (1) Field Testing with Integral Self-Test, (2) New Commercial Vehicles Definition and Addition of "Commercial Vehicle Cabin" Definition, (3) Secondary Power Supply, (4) Battery Powered Primary or Secondary Units, (5) Test Conditions; (6) Impact Test, (7) Drop Test, (8) Abnormal Operation Test, (9) Battery Specification Requirements, (10) Commercial Vehicle Marking Requirements, and (11) Battery Test Requirements.

Single copy price: Free

Access at <https://csds.ul.com>

Send comments to: Grayson Flake <[Grayson.Flake@ul.org](mailto:Grayson.Flake@ul.org)>

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## CSA public review announcement

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

**Due 26 August 2023**

**C22.2 No. 351, Power over Ethernet (POE) technology systems (new standard)**

This standard covers the interaction of devices using Power over Ethernet (PoE) technology systems up to 90 W of power over category cables. The systems consist of control units (power sensing equipment (PSE)) using category cabling to provide power to powered devices (PD) such as lighting, wiring devices, switches, VOIP phones, WAP, RFID readers, proximity sensors, and cameras. This standard applies to all PoE products that are intended to be installed in accordance with the *Canadian Electrical Code, Part I*. The systems covered by this standard are intended to use PoE technology protocol such as IEEE Standard 802.3, Clause 33 and Clause 145, and may include other PoE technologies that also conform to IEEE 802.3 standards.

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**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 A10.25-202X, Sanitation in Construction** (revision and redesignation of ANSI/ASSP A10.25-2023)

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 wastedisposal facilities.

Contact Tim Fisher <[TFisher@ASSP.org](mailto:TFisher@ASSP.org)>

**BSR/ASSP A10.4-202X, Safety Requirements for Personnel Hoists & Employee Elevators for Use on Construction and Demolition Sites** (revision, redesignation and consolidation of ANSI/ASSE A10.4-2016, ANSI/ASSE A10.22-2007 (R2017))

This standard applies to the design, construction, installation, operation, inspection, testing, maintenance, alterations and repair of personnel hoists and employee elevators that (1) are not an integral part of buildings, (2) are installed inside or outside buildings, structures, or cranes during construction, alteration, or demolition operations, and (3) are used to raise and lower workers and other personnel connected with or related to the structure. These personnel hoists and employee elevators may also be used for transporting materials under specific circumstances defined in this standard.

Contact Tim Fisher <[TFisher@ASSP.org](mailto:TFisher@ASSP.org)>

**BSR/IEEE 3001.1-202x, Recommended Practice for the Planning and Design of Industrial and Commercial Power Systems** (new standard)

This recommended practice outlines procedures and various considerations involved when planning and designing electrical power distribution systems serving industrial plants and commercial facilities. The information contained in this recommended practice includes typical load data and a suggested method for determining individual and total connected and total demand load characteristics of industrial plants and commercial buildings.

Contact Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)>

**BSR/NECA 1-202X, Standard for Good Workmanship in Electrical Construction** (revision of ANSI/NECA 1-2023)

This standard addresses the mechanical execution of work that is an integral part of the installation of electrical equipment and systems, describes what constitutes "good workmanship", and includes accepted industry practices used to install equipment in a professional and skillful manner as addressed in the NEC, Section 110.12.

Contact Kyle Krueger <[Kyle.Krueger@necanet.org](mailto:Kyle.Krueger@necanet.org)>

**BSR C137.12-202X, Standard for Lighting Systems Germicidal UV and Visible Wavelength Devices and Luminaires: Facts and Nomenclature** (new standard)

This document focuses on germicidal UV and Visible Wavelength devices and luminaires, that claim to inactivate bacterial, viral, fungal, or other microbial targets in air and on surfaces. The requirements describe the type of information, labeling, and/or product specification information, that shall be made available concerning the products and suggested format for presentation. The products included in the scope include germicidal ultraviolet

and visible wavelength devices and luminaires that are intended for operation in spaces that are occupied during the disinfection process as well as devices and luminaires that are restricted to operation only when a space is unoccupied. Products that are not included in the scope include products intended for water disinfection, cabinet products, portable air purifiers with enclosed germicidal devices, handheld devices, food treatment, and FDA Class II medical devices. This definition excludes discrete components and/or accessories not yet fully assembled or ready for operation.

Contact Michael Erbesfeld <[Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)>

**BSR/AHRI Standard 850 (SI/I-P)-202x, Performance Rating of Commercial & Industrial Air Filter Equipment** (revision, redesignation and consolidation of ANSI/AHRI Standard 850-2013 (R2023) (I-P) and ANSI/AHRI Standard 851-2013)

The purpose of this standard is to establish for commercial and industrial Air Filter Equipment: definitions; classifications; test requirements; rating requirements; minimum data requirements for Published Ratings; marking and nameplate data; and conformance conditions.

Contact Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)>

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

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

Contact Rick Blanchette <[rblanchette@assp.org](mailto:rblanchette@assp.org)>

**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.

Contact Deborah Spittle <[comments@standards.incits.org](mailto: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.

Contact Deborah Spittle <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

**BSR/NISO Z39.107-202x, Accessibility Remediation Metadata (ARM)** (new standard)

The Andrew W. Mellon Foundation-funded project, "FRAME: Federating Repositories of Accessible Materials for Education," was formed to eliminate redundant work and facilitate the sharing of remediated resources. As no standard metadata describing the process and results of remediation for accessibility in sufficient detail existed, the FRAME metadata model was developed to enable both discovery and deposit functions. It is proposed that a NISO Working Group be established to extend and refine the FRAME metadata model to meet the needs of the broader accessibility community, focused on individuals and organizations involved in the remediation of content for accessibility and the consumption of remediated content.

Contact Keondra Bailey <[kbailey@niso.org](mailto:kbailey@niso.org)>

**BSR/ASTM E1020-202x, Standard Practice for Reporting Incidents that May Involve Criminal or Civil Litigation** (new standard)

This practice covers guidelines for the collection and preservation of information and physical evidence and the preparation of a documentation report relative to any incident(s) involving personal injury, property damage, commercial loss, or criminal acts which may reasonably be expected to be the subject of litigation.

Contact Laura Klineburger <[accreditation@astm.org](mailto:accreditation@astm.org)>

**BSR/CTA 2126-202x, Guidelines for the National Cybersecurity Label Conformity and Trust Programs** (new standard)

This document will provide guidance regarding trust mechanisms for a range of programs including third party conformity assessment, alliance and proprietary certification, and suppliers declaration of conformity for the U.S. Cyber Trust Mark program.

Contact Catrina Akers <[cakers@cta.tech](mailto:cakers@cta.tech)>

**BSR/EMAP EMS 5-202x, Emergency Management Standard** (revision of ANSI/EMAP EMS 5-2022)

The standard will outline programmatic areas with standards underneath that outline the necessary components of a comprehensive emergency management and homeland security program. The standards will include all phases of emergency management to include prevention, preparedness, mitigation, response and recovery activities. The programmatic areas will include such things as program management, hazard identification and risk assessment, hazard mitigation, prevention, planning, incident management, resource management, communications, facilities, training and exercise and emergency public information and education. The standard will not be considered an ISO, IEC or ISO/IEC JTC-1 Standard.

Contact Nicole Ishmael <[nishmael@emap.org](mailto:nishmael@emap.org)>

**BSR/IEEE 7802-202x, Standard for Measurement and Verification of Reduction of Greenhouse Gases for Climate Action Projects and Solutions** (new standard)

This standard provides techniques and methodologies for measurement, monitoring, reporting, and verification (MMRV) of solutions/projects developed in pursuance of regenerative climate action. This standard is applicable to all project types and categories that reduce and/or sequester emissions of greenhouse gasses, conserve biodiversity and contribute community benefits. The methodologies defined in this standard leverage technologies such as Satellite Imagery, Remote Sensing, Internet of Things (IOT), and Artificial Intelligence (AI). This standard specifies templates for registering climate projects, reporting their outputs, verifying the outputs, estimating the outcomes in terms of reduction in greenhouse gas (GHG) emissions, and issuing guidelines for issuing certificates for verified reduction of GHG from the environment. This standard creates a Taxonomy of Categories and Subcategories of Climate Action Projects and a database of formulas for every category that translates climate action outputs to outcomes in terms of GHG reductions. This standard emphasizes holistic considerations when estimating the outcomes in terms of GHG reductions; these considerations include potential, intended or unintended negative impacts, and accounting for GHG emissions during the entire lifecycle of the project.

Contact Suzanne Merten <[s.merten@ieee.org](mailto:s.merten@ieee.org)>

**BSR/IES TM (CCT)-202x, Technical Memorandum: Method for calculation of correlated color temperature and distance from the Planckian locus** (new standard)

This TM will formalize a recommended method for calculating CCT<sub>xx</sub> and D<sub>xx</sub> so that with the same input, different users can have an identical output. It will provide data to calculate values in the CIE 1960 UCS (i.e., CCT and Duv); (c) It will describe how the methods can be applied to other CMFs/UCSs, including a proposed naming convention; (d) It will document limitations of the quantities and provide guidance on appropriate use.

Contact Patricia McGillicuddy <[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)>

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## 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/A3 R15.08-2-2023, Industrial Mobile Robots - Safety Requirements - Part 2: Requirements for IMR system(s) and IMR application(s)** (new standard), 18 July 2023

**ANSI/ASHRAE Addendum 62.2k-2022**, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2019), 25 July 2023

**ANSI/ASHRAE/ICC/IES/USGBC Addendum ab to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 25 July 2023

**ANSI/ASHRAE/ICC/IES/USGBC Addendum ac to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 25 July 2023

**ANSI/ASHRAE/ICC/IES/USGBC Addendum ag to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 25 July 2023

**ANSI/ASHRAE/ICC/IES/USGBC Addendum z to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020), 25 July 2023

**ANSI/ASHRAE/IES Addendum ca to ANSI/ASHRAE/IES Standard 90.1-2022**, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 25 July 2023

**ANSI/ASHRAE/IES Addendum d to ANSI/ASHRAE/IES Standard 100-2018**, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018), 25 July 2023

**ANSI/ASHRAE/IES Addendum f to ANSI/ASHRAE/IES Standard 90.2-2018**, High-Performance Energy Design of Residential Buildings (addenda to ANSI/ASHRAE Standard 90.2-2018), 25 July 2023

**ANSI/ASHRAE/IES Addendum i to ANSI/ASHRAE/IES Standard 100-2018**, Energy Efficiency in Existing Buildings (addenda to ANSI/ASHRAE/IES Standard 100-2018), 25 July 2023

**ANSI/ASHRAE Standard 514P-2023**, Risk Management for Building Water Systems: Physical, Chemical, and Microbial Hazards (new standard), 25 July 2023

**ANSI/ASME A90.1-2023**, Safety Standard for Belt Manlifts (revision of ANSI/ASME A90.1-2015), 1 August 2023

**ANSI/HPVA LTDD 2.0-2023**, Due Diligence in Procuring/Sourcing Legal Timber (revision and redesignation of ANSI/ANSLTDD 1.0 2015), 21 July 2023

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## 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](mailto: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](mailto:tzertuche@ansi.org)). ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department, [sales@ansi.org](mailto:sales@ansi.org).

**22G/475(F)/FDIS, IEC 61800-9-2 ED2**: Adjustable speed electrical power drive systems (PDS) - Part 9-2: Ecodesign for motor systems - Energy efficiency determination and classification, 25 August 2023

**81/733/FDIS, IEC 62305-4 ED3**: Protection against lightning -Part 4: Electrical and electronic systems within structures, 15 September 2023

**44/1010/CD, IEC 62745 ED2:** Safety of machinery -Requirements for cableless control systems of machinery, 22 September 2023

**21A/853/CD, IEC 62620 ED2:** Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications, 29 September 2023

**SO/IEC 27013:2021/DAmD 1,** - Amendment 1: Information security, cybersecurity and privacy protection - Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 - Amendment 1, 8 October 2023, \$33.00

**ISO/DIS 16484-2,** Building automation and control systems (BACS) - Part 2: Hardware, 12 October 2023, \$67.00

**65A/1098/CDV, IEC 63303 ED1:** Human-Machine Interfaces for Process Automation Systems, 13 October 2023

**ISO/DIS 11956,** Adventure tourism - Cyclotourism – Requirements and recommendations, 13 October 2023, \$107.00

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## 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 63171-4 Ed. 1.0 en Cor.1:2023,** Corrigendum 1 – Connectors for electrical and electronic equipment - Part 4: Detail specification for shielded or unshielded, free and fixed connectors with up to 8 ways for balanced single-pair data transmission with current carrying capacity - Mechanical mating information, pin assignment and additional requirements for Type 4, \$0.00

**IEC/TS 63116 Amd.1 Ed. 1.0 en:2023,** Amendment 1 – Lighting systems - General requirements, \$25.00

**IEC/TS 63116 Ed. 1.1 en:2023,** Lighting systems – General requirements, \$101.00

**ISO 39003:2023,** Road traffic safety (RTS) - Guidance on ethical considerations relating to safety for autonomous vehicles, \$210.00

**ISO 5091-1:2023,** Structural intervention of existing concrete structures using cementitious materials - Part 1: General principles, \$157.00

**ISO 5091-2:2023,** Structural intervention of existing concrete structures using cementitious materials - Part 2: Top-surface overlaying, \$116.00

**ISO 5091-3:2023,** Structural intervention of existing concrete structures using cementitious materials - Part 3: Bottomsurface (soffit) underlaying, \$183.00

**ISO 5091-4:2023,** Structural intervention of existing concrete structures using cementitious materials - Part 4: Jacketing, \$157.00

**ISO 7933:2023,** Ergonomics of the thermal environment -Analytical determination and interpretation of heat stress using calculation of the predicted heat strain, \$183.00

**ISO/IEC 24029-2:2023,** Artificial intelligence (AI) - Assessment of the robustness of neural networks - Part 2: Methodology for the use of formal methods, \$157.00

**ISO/IEC 24392:2023,** Cybersecurity - Security reference model for industrial internet platform (SRM- IIP), \$183.00

**ISO/IEC 27071:2023,** Cybersecurity - Security recommendations for establishing trusted connections between devices and services, \$157.00

**ISO/IEC 4922-1:2023**, Information security - Secure multiparty computation - Part 1: General, \$77.00

**ISO/IEC 8183:2023**, Information technology - Artificial intelligence - Data life cycle framework, \$77.00

**ISO/IEC/IEEE 23026:2023**, Systems and software engineering -Engineering and management of websites for systems, software and services information, \$237.00

**ISO/IEC/IEEE 24748-6:2023**, Systems and software engineering -Life cycle management - Part 6: System and software integration, \$210.00

**ISO/TR 24679-5:2023**, Fire safety engineering - Performance of structures in fire - Part 5: Example of a timber building in Canada, \$237.00

**ISO/TR 27925:2023**, Carbon dioxide capture, transportation and geological storage - Cross cutting issues - Flow assurance, \$237.00

**ISO/TS 37008:2023**, Internal investigations of organizations - Guidance, \$157.00

**ISO/TS 9241-620:2023**, Ergonomics of human-system interaction - Part 620: The role of sound for users of interactive systems, \$157.00

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## **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](mailto:standards@esta.org). Find back issues at <http://estalink.us/nn7a1>.

## 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 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 E1.20, RDM TG	19:00 - 23:00	Wednesday 4 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	10am - 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	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
	17:00 - 23:00	Wednesday 4 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



## 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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