



ESTA Standards Watch

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One ESTA standard in public review—but more to come

One revised standard is available for public review at https://tsp.esta.org/tsp/documents/public_review_docs.php until July 19. The download is free.

BSR E1.28, Guidance on planning followspot positions in places of public assembly, makes recommendations for the operational and functional aspects of permanent followspot positions within places of public assembly, including the determination of their location within the venue, their physical space requirements, and the safety considerations associated with their use. The revision adds guidance for using glass panes as part of a followspot position, and their interaction with sound attenuation principles, and possible code requirements for certain configurations of glass panes.

That's all as this is being typed, but five more documents are in the pipeline to be posted in the next few days. Check 'em out!

EPA seeks input for voluntary battery labeling and recycling guidelines

The US Environmental Protection Agency is requesting information on the end-of-life management of batteries. The request includes information on battery generation, collection, recycling, and reuse, as well as the current labeling standards and requirements for batteries regarding their end-of-life. The broad information request covers all battery types, from small, single-use consumer batteries to large-format rechargeable vehicle, grid energy, or other commercial-use or industrial batteries, as well as information on how consumers, businesses, and entities throughout the management chain are educated on how to manage batteries at the end-of-life. EPA is interested in input from a wide range of stakeholders across the entire battery lifecycle.

The American National Standards Institute encourages battery-lifecycle stakeholders—including standards developers, industry experts, academia, government and non-governmental organizations, and the public—to review the [Federal Register notice](#) and [submit comments](#) to the EPA by the July 11 deadline.

National Terrorism Advisory System Bulletins available

The Department of Homeland Security has a National Terrorism Advisory System website that publishes NTAS Bulletins as needed at <https://www.dhs.gov/national-terrorism-advisory-system>. The International Association of Fairs & Expositions recommends that its members check this page to see if there are advisories relevant to their events—and this is good advice for anyone planning an event that might be a target. The advisory currently posted is dated 7 June with an expiration of 30 November 2022, but new intelligence may change this.

Purple Guide temporary demountable structures update

The Purple Guide chapter on temporary demountable structures has been updated. The new version is available on the Purple Guide website at <https://www.thepurpleguide.co.uk/index.php/the-purple-guide/updates>. Log-in or subscribe to see it.

WTO Technical Barrier to Trade notifications

Notify US, the U.S. Department of Commerce's service to announce Technical Barrier to Trade filings, has announced some interesting TBTs. 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/1883

Date issued: 27 June 2022

Agency responsible: Rhode Island Department of Health

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Appliance water and energy efficiency

Title: Appliance and Equipment Energy and Water Energy; (3 pages in English)

Description of content: Proposed rule - The purpose of these regulations is to codify new statewide water and energy efficiency standards for appliance and equipment pursuant to R.I. General Laws section Title 39, Chapter 27.1 (<http://webserver.rilin.state.ri.us/Statutes/TITLE39/39-27.1/INDEX.htm>).

Objective and rationale: Consumer information, labelling; Protection of the environment

Relevant documents: Rhode Island Secretary of State Rules Database 6 June 2022:

<https://rules.sos.ri.gov/Promulgations/part/300-00-00-4> WTO Members and their stakeholders are asked to submit comments to the USA TBT Enquiry Point by or before 4pm Eastern Time on 6 July 2022. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator if received within the comment period.

State of Rhode Island Office of Energy Resources Appliance and Equipment Standards Certification Guidance Document:

https://risos-apa-production-public.s3.amazonaws.com/OER/12776/ADDDOC_12776_20220606131237260.pdf

Rhode Island's Appliance and Equipment Energy and Water Efficiency Standards Act of 2021:

<http://webserver.rilin.state.ri.us/BillText/BillText21/HouseText21/H5966A.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 6 July 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1883\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1883(english).pdf)

United States of America Notification USA/1880

Date issued: 24 June 2022

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Greenhouse Gas Reporting Rule

Title: Revisions and Confidentiality Determinations for Data Elements Under the Greenhouse Gas Reporting Rule; (200 pages in English)

Description of content: Proposed rule - The Environmental Protection Agency (EPA) is proposing to amend specific provisions in the Greenhouse Gas Reporting Rule to improve the quality and consistency of the data collected under the rule, streamline and improve implementation, and clarify or propose minor updates to certain provisions that have been the subject of questions from reporting entities. These proposed changes include revisions to improve the existing calculation, recordkeeping, and reporting requirements by incorporating updates to existing emissions estimation methodologies and providing for collection of additional data to understand new source categories or new emission sources for specific sectors. The proposed changes would improve understanding of the sector-specific processes or other factors that influence greenhouse gas emissions rates, improve verification of collected data, and complement or inform other EPA programs. The EPA is also proposing revisions that would improve implementation of the Greenhouse Gas Reporting Rule such as updates to applicability estimation methodologies, providing flexibility for or simplifying calculation and monitoring methodologies, streamlining recordkeeping and reporting, and other minor technical corrections or clarifications. This action also proposes to establish and amend confidentiality determinations for the reporting of certain data elements to be added or substantially revised in these proposed amendments. Further, this action includes a request for comment to solicit information that may aid in potential future revisions to the Greenhouse Gas Reporting Rule (GHGRP).

Objective and rationale: Protection of the environment

Relevant documents: 87 Federal Register (FR) 36920, 22 June 2022; Title 40 Code of Federal Regulations (CFR) Parts 9 and 98: <https://www.govinfo.gov/content/pkg/FR-2022-06-21/pdf/2022-09660.pdf>

This proposed rule is identified by Docket Number EPA-HQ-OAR-2019-0424. The Docket Folder is available from Regulations.gov at <https://www.regulations.gov/docket/EPA-HQ-OAR-2019-0424/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 22 August 2022. Comments received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.

Mandatory Reporting of Greenhouse Gases; Proposed Rule published 10 April 2009 and Final Rule published 30 October 2009 identified by Docket Number EPA-HQ-OAR-2008-0508. EPA has finalized several technical and clarifying amendments to the Greenhouse Gas Reporting Rule, as follows: 75 FR 79092, 17 December 2010; 76 FR 22825, 25 April 2011; 76 FR 36339, 22 June 2011; 76 FR 59533, 27 September 2011; 76 FR 59542, 27 September 2011; 76 FR 73866, 29 November 2011; 76 FR 80554, 23 December 2011; 77 FR 10373, 22 February 2012; 77 FR 48072, 13 August 2012; 77 FR 51477, 24 August 2012; 78 FR 25392, 1 May 2013; 78 FR 68162, 13 November 2013; 78 FR 71904, 29 November 2013; 79 FR 63750, 24 October 2014; 79 FR 70352, 25 November 2014; 79 FR 73750, 11 December 2014; 80 FR 64262, 22 October 2015; and 81 FR 86490, 30 November 2016. The amendments generally added or revised requirements and included revisions that were intended to improve clarity and consistency across the calculation, monitoring, and data reporting requirements. The EPA finalized additional amendments (81 FR 89188, 6 December 2016) to streamline implementation of the rule, to improve the quality and consistency of the data collected under the rule, and to clarify or provide updates to certain provisions that have been the subject of questions from reporting entities. The EPA is proposing additional amendments and requesting comment in a continuation of the effort to improve the GHGRP.

Proposed date of adoption: Not given by country

Final date for comments: 22 August 2022

Full text: <https://www.govinfo.gov/content/pkg/FR-2022-06-21/pdf/2022-09660.pdf>

Uruguay Notification URY/65

Date issued: 24 June 2022

Agency responsible: Ministry of Industry, Energy and Mining (MIEM)

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

Products covered: Energy-consuming equipment, appliances and vehicles

Title: Proyecto de Decreto sobre Eficiencia Energética (Draft Decree on Energy Efficiency) (3 pages in Spanish)

Description of content: The notified draft Decree concerns requirements for the entry into and marketing in Uruguay of equipment, appliances and vehicles that use energy to operate and are included in the regulations of the domestic energy efficiency labelling system.

Objective and rationale: Consumer information, labelling; Protection of the environment

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 23 August 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/URY/full_text/pdf/URY65\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/URY/full_text/pdf/URY65(spanish).pdf)

European Union Notification EU/905

Date issued: 27 June 2022

Agency responsible: EU-TBT Enquiry Point

National inquiry point: EU-TBT Enquiry Point

Products covered: Hazardous substances

Title: Draft Commission Delegated Regulation amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures as regards the addition of notes to Part 1, section 1.1.3.1, of Annex VI; (4 pages in English and 2 pages in English)

Description of content: The CLP regulation (Regulation (EC) No 1272/2008) sets rules for classifying, labelling and packaging substances and mixtures. Part 1 of Annex VI lists notes that can be assigned to substances with harmonised classification. These notes provide further instructions how to classify and label certain substances or mixtures containing them.

This draft Regulation adds new notes to the list. These have been proposed for some substances that recently received new or updated classification.

Objective and rationale: Ensuring the proper functioning of the EU internal market; Protection of human health or safety; Protection of the environment

Relevant documents: Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1.): <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:EN:PDF>

Proposed date of adoption: 1 September 2022

Proposed date of entry into force: Not given by country

Final date for comments: 26 August 2022

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU905\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU905[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU905\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU905[2](english).pdf)

The above notices were culled from the 293 Technical Barrier to Trade notices posted in the last 30 days on NIST's Notify U.S. website. However, Notify U.S. will be discontinued by the end of this calendar year (2022). Current subscribers to the Notify U.S. service have been encouraged to sign-up for TBT notifications on the recently launched ePing platform (<https://epingalert.org/>). Visitors may use ePing without registering to browse notifications on past as well as new draft and updated product regulations. The website is active now and is available in English, French, and Spanish.

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 25 July 2022

BSR/ACI CODE-369.1-202x, Seismic Evaluation and Retrofit of Existing Concrete Buildings-Code and Requirements (new standard)

This standard provides retrofit and rehabilitation criteria for reinforced concrete buildings based on results from the most recent research on the seismic performance of existing concrete buildings. The intent of this standard is to provide provisions related to concrete material and concrete members, including material testing criteria, modeling parameters, and acceptance criteria for use within the ASCE 41 framework, similar to how the National Earthquake Hazards Reduction Program (NEHRP) Recommended Seismic Provisions produced by the Federal Emergency Management Agency (FEMA) (FEMA 450) have served as source documents for the International Building Code (IBC) and its predecessor building codes. Starting in the 2023 edition, ASCE 41 references ACI 369.1 directly for concrete related provisions.

Single copy price: Free

Order from and send comments to discussion@concrete.org

BSR/ASSP/ISO 31073-202x, Risk Management - Vocabulary (identical national adoption of ISO 31073-2022 and revision of ANSI/ASSE Z690.1-2011)

This document defines generic terms related to the management of risks faced by organizations.

Single copy price: \$110.00

Order from and send comments to L.Bauerschmidt@assp.org

BSR/ASSE Z359.13-2013 (R202x), Personal Energy Absorbers and Energy Absorbing Lanyards (reaffirmation of ANSI/ASSE Z359.13-2013)

This standard establishes requirements for the performance, design criteria, marking, qualification and verification testing, instructions, inspections, maintenance, and removal from service of personal energy absorbers and energy absorbing lanyards for users within the range of 130 to 310 pounds (59 – 140 kg.)

Single copy price: \$110.00

Order from and send comments to L.Bauerschmidt@assp.org

BSR/UL 588-202x, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2021)

The following is being recirculated for your review: (5) Addition of requirements for Commercial Use Lighting Strings.

Single copy price: Free

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

Due 1 August 2022

BSR/ASHRAE Addendum cf to BSR/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to)

The purpose of this addendum is to formalize the definition of the “data_attributes” Parameter, redefine “Must Understand” for data options, and make changes to segmentation to enforce data attribute consistency.

Single copy price: \$35.00

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

BSR/ASHRAE Addendum cg to BSR/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to)

This addendum defines a standard and interoperable mechanism for authenticating and authorizing devices to take actions in other devices. It is based on the Internet standards OAuth 2.0, OpenID Connect, ACE-OAuth, and the suite of RFCs that define the data structures that support these protocols; makes changes to BACnet/SC to Support Authentication and Authorization; adds new service clause AuthRequest; adds informative examples of some message exchanges and data structures; and makes changes to existing Services to Support Authentication and Authorization.

Single copy price: \$35.00

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

Due 8 August 2022

BSR/AHAM AC-4-202x, Method of Assessing the Reduction Rate of Chemical Gases by a Room Air Cleaner (new standard)

This document specifies a method to evaluate the capability of a portable air cleaner to reduce the concentration of chemical gases in a specified chamber. The test is applicable to portable air cleaners commonly used in single room spaces such as those based on mechanical filtration, ultraviolet (UV), ionizers, photocatalytic oxidation, and ozone generators in-unit technology. This standard method includes definitions and performance characteristics of portable household electric room air cleaners of the types indicated. This standard method measures the relative reduction by the air cleaner of the concentration of chemical gases suspended in the air in a specified test chamber in new condition. In this standard, we do not suggest performance test methods to measure byproducts of either the interaction between chemicals or between the air cleaner and the chemicals tested in this standard. The formation of by-products is an important subject. The subject of measuring by-products and chemicals is under study and AHAM will address this in future documents.

Single copy price: \$200.00

Access at <https://www.aham.org/ItemDetail?iProductCode=42022&Category=PADSTD>

Send comments to John Park, jpark@aham.org

BSR/ASME A90.1-202x, Safety Standard for Belt Manlifts (revision of ANSI/ASME A90.1-2015)

This standard applies to the manufacture, installation, maintenance, inspection, and operation of belt manlifts. Belt manlifts covered by this scope consist of steps (platforms) and accompanying handholds mounted on, or attached to, an endless belt operating vertically in one direction only and being supported by, and driven through, pulleys at the top and bottom. These belt manlifts are intended for conveyance of persons only.

Single copy price: Free

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

Send comments to Geraldine Burdeshaw, burdeshawg@asme.org

Due 9 August 2022

BSR/UL 583-202x, Standard for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2021)

1. For Preliminary Review Only: Proposed adoption of the Eleventh Edition of the Standard for Electric-Battery-Powered Industrial Trucks, UL 583, as a UL standard for the United States and Canada.

Single copy price: Free

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

Due 16 August 2022

BSR/ASME A17.6-202x, Standard for Elevator Suspension, Compensation, and Governor Systems

(revision of ANSI/ASME A17.6-2017)

This standard covers the means and members of suspension, compensation, and governor systems for elevators within the scope of ASME A17.1/CSA B44 and ASME A17.8/CSA B44.8. This standard includes the material properties, design, testing, inspection, and replacement criteria for these means. It includes the requirements for steel wire rope and noncircular elastomeric-coated steel suspension members, and provides direction for future constructions as new technology develops.

Single copy price: Free

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

Send comments to Nicole Gomez, ansibox@asme.org

BSR/UL 8802-202x, Standard for Ultraviolet (UV) Germicidal Equipment and Systems (new standard)

(1) Proposed adoption of the first edition of the Standard for Ultraviolet (UV) Germicidal Equipment and Systems, UL 8802, as a UL standard for the U.S. and Canada.

Single copy price: Free

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

New ANS projects

ANSI has announced the following new projects that might materially affect *Standards Watch* readers—or at least be interesting. Contact the developer if you (a) want to be involved in a project, (b) object to a project and

wish it to be abandoned, or (c) if you would like to point out that a scope is covered by an existing standard, thereby possibly making a project redundant or conflicting.

BSR/AWS B2.1-22-015-202x, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (revision of ANSI/AWS B2.1-22-015-2022)

This standard contains the essential welding variables for aluminum in the thickness range of 10 through 18 gauge using manual gas tungsten arc welding. It cites the base metals and operating conditions to make the weldment, the filler metal specifications, and the allowable joint designs for fillet welds and groove welds. Contact Jennifer Rosario, jrosario@aws.org

BSR/CTA 709.1-E-202x, Control Network Protocol Specification (revision and redesignation of ANSI/CTA 709.1-D-2014 (R2019))

This specification applies to a communication protocol for networked control systems. This protocol provides peer-to-peer communication for networked control and is suitable for implementing both peer-to-peer and primary-secondary control strategies. Contact Catrina Akers, cakers@cta.tech

BSR/CTA 709.6-B-202x, Control Networking Protocol Specification - Part 6: Application Elements (revision and redesignation of ANSI/CTA 709.6-A-2021)

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

INCITS/ISO/IEC 22505:2021 [202x], Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components (identical national adoption of ISO/IEC 22505:2021)

The scope of this document is limited to the evaluation of black ink cartridge page yield for ink-containing cartridges (i.e., integrated ink cartridges and ink cartridges without integrated printheads) for monochrome inkjet print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain inkjet printer components. Both liquid and solid ink products can be tested using this document. Contact Deborah Spittle, comments@standards.incits.org

INCITS/ISO/IEC 24711:2021 [202x], Information technology - Office equipment - Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 24711:2021 and revision of INCITS/ISO/IEC 24711-2015 [2018])

The scope of this document is limited to the evaluation of ink cartridge page yield for ink-containing cartridges (i.e., integrated ink cartridges and ink cartridges without integrated printheads) for colour inkjet print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain inkjet printer components. Both liquid and solid ink products can be tested using this document. Contact Deborah Spittle, comments@standards.incits.org

Final actions on American National Standards

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI C78.377-2017 (R2022), Electric Lamps: Specifications for the Chromaticity of Solid-State Lighting Products (reaffirmation of ANSI C78.377-2017), 16 June 2022

ANSI C78.52-2017 (R2022), Electric Lamps, Light Emitting Diode (LED) Direct Replacement Lamps - Method of Designation (reaffirmation of ANSI C78.52-2017), 16 June 2022

ANSI Z535.1-2022, Standard for Safety Colors (revision of ANSI Z535.1-2017), 2 June 2022

ANSI Z535.3-2022, Criteria for Safety Symbols (revision of ANSI Z535.3-2011 (R2017)), 2 June 2022

ANSI Z535.5-2022, Safety Tags and Barricade Tapes (for Temporary Hazards) (revision of ANSI Z535.5-2011 (R2017)), 2 June 2022

ANSI/ABYC E-13-2022, Lithium Ion Batteries (new standard), 16 June 2022

ANSI/IES LP-16-2022, Lighting Practice: Documenting Control Intent Narratives and Sequence of Operations, 10 June 2022

ANSI/TIA 5071-2022, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard), 16 June 2022

ANSI/TIA 862-C-2022, Structured Cabling Infrastructure Standard for Intelligent Building Systems (revision and redesignation of ANSI/TIA 862-B-2016), 17 June 2022

ANSI/UL 60947-1-2022, Standard for safety for Low-Voltage Switchgear and Controlgear - Part 1: General Rules (national adoption of IEC 60947-1 with modifications and revision of ANSI/UL 60947-1-2013 (R2019)), 31 May 2022

ANSI/UL 60950-21-2007 (R2022), Standard for Safety for Information Technology Equipment - Safety - Part 21: Remote Power Feeding (reaffirmation of ANSI/UL 60950-21-2007 (R2016)), 6 June 2022

ANSI/UL 60950-22-2017 (R2022), Standard for Safety for Information Technology Equipment - Safety - Part 22: Equipment to be Installed Outdoors (reaffirmation of ANSI/UL 60950-22-2017), 6 June 2022

ANSI/UL 61800-5-2-2022, The Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-2: Safety Requirements - Functional (national adoption with modifications of IEC 61800-5-2), 3 May 2022

ANSI/UL 8801-2022, Standard for Safety for Photovoltaic (PV) Luminaire Systems (new standard), 15 June 2022

Draft IEC & ISO documents

This section lists proposed documents that the IEC or the ISO or both are considering for approval and that may be of interest to *Standards Watch readers*. Anyone interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. Comments from US citizens on ISO documents must be sent to the ISO Team (isot@ansi.org). The comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document; other formats will not be accepted. US comments should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). Any prices shown are for purchases through ANSI. (Not all have prices.) The sort order is first by due date then by the project identifier alphanumeric. Some of the due dates are in the past, but the dates shown are what were given.

ISO/FDIS 16484-5, Building automation and control systems (BACS) - Part 5: Data communication protocol, [no date], \$380.00

ISO/FDIS 37108, Sustainable cities and communities – Business districts - Guidance for practical local implementation of ISO 37101, 20 June 2021 [sic], \$125.00

ISO/DIS 30405, Human resource management - Guidelines on recruitment, 4 April 2022 [sic], \$71.00

ISO/DIS 21928-2, Sustainability in buildings and civil engineering works - Sustainability indicators - Part 2: Framework for the development of indicators for civil engineering works, 10 April 2022 [sic], \$155.00

65E/906(F)/FDIS, IEC 62453-2 ED3: Field device tool (FDT) interface specification - Part 2: Concepts and detailed description, 8 July 2022

65E/907/FDIS, IEC 62453-309 ED3: Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9, 29 July 2022

76/709A/CD, IEC TR 60825-13 ED3: Safety of laser products Part 13: Measurements for classification of laser products, 5 August 2022

ISO/IEC DIS 4396-3, Telecommunications and information exchange between systems - Future network recursive internetwork architecture - Part 3: Common distributed application protocol, 19 August 2022, \$112.00

ISO/IEC DIS 4396-9, Telecommunications and information exchange between systems - Future network recursive internetwork architecture - Part 9: Error and flow control protocol, 19 August 2022, \$98.00

65C/1173/CD, IEC 61918/AMD2 ED4: Amendment 2 – Industrial communication networks - Installation of communication networks in industrial premises, 26 August 2022

CIS/F/821/CD, CISPR 15/AMD1 ED9: Amendment 1 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment, 2 September 2022

ISO/IEC FDIS 15938-17, Information technology – Multimedia content description interface - Part 17: Compression of neural networks for multimedia content description and analysis, 22 November 2020, \$146.00

Recently published IEC & ISO documents

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

IEC 61131-9 Ed. 2.0 b:2022, Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI), \$443.00

IEC 62657-2 Ed. 3.0 b:2022, Industrial communication networks Coexistence of wireless systems - Part 2: Coexistence management, \$417.00

IEC 62657-3 Ed. 1.0 b:2022, Industrial communication networks Coexistence of wireless systems - Formal description of the automated coexistence management and application guidance, \$259.00

IEC 62657-4 Ed. 1.0 b:2022, Industrial communication networks Coexistence of wireless systems - Part 4: Coexistence management with central coordination of wireless applications, \$417.00

IEC 63044-5-1 Amd.1 Ed. 1.0 b:2022, Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up, \$25.00

IEC 63044-5-1 Ed. 1.1 b:2022, Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test setup, \$228.00

IEC 63044-5-2 Amd.1 Ed. 1.0 b:2022, Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments, \$13.00

IEC 63044-5-2 Ed. 1.1 b:2022, Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments, \$133.00

IEC 63044-5-3 Amd.1 Ed. 1.0 b:2022, Amendment 1 - Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments, \$13.00

IEC 63044-5-3 Ed. 1.1 b:2022, Home and Building Electronic IEC 63044-5-3 Ed. 1.1 b:2022, Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industrial environments, \$51.00

ISO 14015:2022, Environmental management - Guidelines for environmental due diligence assessment, \$149.00

ISO 37110:2022, Sustainable cities and communities Management requirements and recommendations for open data for smart cities and communities - Overview and general principles, \$73.00

ISO 37168:2022, Smart community infrastructures - Guidance on smart transportation by Electric, Connected and Autonomous Vehicles (eCAVs) and its application to on-demand responsive passenger services with shared vehicles, \$111.00

ISO 37181:2022, Smart community infrastructures – Smart transportation by autonomous vehicles on public roads, \$73.00

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ISO 9177-2:2022, Mechanical pencils for technical drawings Part 2: Black leads - Classification and dimensions, \$48.00

ISO/IEC 23053:2022, Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML), \$200.00

ISO/IEC 23093-3:2022, Information technology - Internet of media things - Part 3: Media data formats and APIs, \$250.00

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ISO/TR 24188:2022, Large outdoor fires and the built environment - Global overview of different approaches to standardization, \$149.00

ISO/TR 9241-380:2022, Ergonomics of human-system interaction - Part 380: Survey result of HMD (Head-Mounted Displays) characteristics related to human-system interaction, \$200.00 [If the preceding 379 parts also cost \$200 each, the full set up through Part 380 costs \$76,000.00!]

ESTA Standards Watch

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

TSP meeting schedule

The following set of meetings are scheduled to be September 15 through 18 at the Marriott Westlake in Westlake, Texas, with attendance being in-person and via WebEx. Visit <https://www.esta.org/ESTA/meetings.php> for details.

Control Protocols Working Group	09:00 – 13:00 CDT	Saturday 17 September
CPWG Plugfest	09:00 – 23:00 CDT	Friday 16 September
CPWG Plugfest	09:00 – 23:00 CDT	Saturday 17 September
CPWG Plugfest	09:00 – 23:00 CDT	Sunday 18 September
Electrical Power Working Group	19:00 – 23:00 CDT	Friday 16 September
Event Safety Working Group	14:00 – 18:00 CDT	Saturday 17 September
Floors Working Group	09:00 – 13:00 CDT	Friday 16 September
Fog & Smoke Working Group	14:00 – 18:00 CDT	Thursday 15 September
Followspot Positions Working Group	16:00 – 18:00 CDT	Friday 16 September
Rigging Working Group	19:00 – 23:00 CDT	Saturday 17 September
Stage Machinery Working Group	19:00 – 23:00 CDT	Thursday 15 September
Technical Standards Council	09:00 – 13:00 CDT	Sunday 18 September

Find out about the Plugfests at <http://tsp.esta.org/tsp/news/plugfest.html>.

The Photometrics Working Group will meet the following week via WebEx.

Photometrics Working Group	19:00 – 22:00 EDT	Thursday 22 September
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