Technical Standards Program

ESTA Standards Watch

July 2022 Volume 26, Number 13

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A six-pack of public reviews

Six standards are available for public review on the ESTA website at http://estalink.us/pr. Three are existing standards being considered for reaffirmation. One is a revision of an existing standard. Two are new standards, never before seen in public review on Earth! All comments are due before the end of the day on 22 August 2022. The reviews are over—finished, done—when August 23 starts.

ANSI E1.35-2013 (R2018), Standard for Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use, describes a method for measuring stage and studio luminaire lens quality with particular emphasis on contrast and perceived projected image quality (sharpness). It also offers a way for presenting these results on a datasheet in a format that is readily understood by a typical end-user and that allows the end-user to directly compare lenses in a meaningful way. Without this standard, there is no way to describe how clearly a stage lighting instrument projects an image, other than by showing a person with the actual instrument and gobo. The current version, ANSI E1.35-2013 (R2018), is being considered for reaffirmation.

ANSI E1.9-2007 (R2017), Reporting Photometric Performance Data for Luminaires Used in Entertainment, defines the minimum photometric data to be presented on documents purporting to accurately describe the

photometric performance of stage and studio luminaires used in the live entertainment and performance industries. The current version, ANSI E1.9-2007 (R2017), is being considered for reaffirmation.

ANSI E1.25-2012 (R2017), Recommended Basic Conditions for Measuring the Photometric Output of Stage and Studio Luminaires by Measuring Illumination Levels Produced on a Planar Surface, describes the basic conditions for measuring the photometric output of a stage or studio luminaire by testing methods that measure the illumination levels produced by the luminaire on a planar surface. (Shining the light on a wall.) These testing methods include, but are not limited to, measurements taken by digital cameras or hand-held meters. This standard is not intended to give guidance on testing conditions for testing methods that use goniophotometers. The current version, ANSI E1.25-2012 (R2017), is being considered for reaffirmation.

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. This is a revision of the existing standard.

BSR E1.72, Powered Floor Machinery, establishes requirements for the design, manufacture, installation, inspection, operation and maintenance of powered Stage Floor Machinery for performance, presentation, and theatrical production. It covers the machinery, mechanisms, machine safety devices, and control interface requirements for equipment and systems, installed permanently or temporarily. It does not apply to the structure to which the machine is attached nor to the finished floor or its subflooring construction. Machines that produce substantially vertical movement, such as lifts, are also excluded from this standard. This is a new standard.

BSR E1.71, Powered Curtain Machines, establishes requirements for the design, manufacture, installation, inspection, and maintenance of machines intended for the movement of curtains. Curtains operated by these machines may be for scenery, performance, presentation, acoustical damping, museum exhibits, retail displays, and theatrical production. The machine's control systems, mechanical construction, and powertrain components are included in this scope. This is a new standard.

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.

Support the TSP and learn something!

Columbus McKinnon has generously donated seats for their online Lodestar and Prostars | Part # OL-ET Training to ESTA. If you purchase your seat through https://my.esta.org/civicrm/event/register?reset=1&id=3, 100% of your fee goes to support the TSP.

Register for the Midwest Rigging Intensive

Registration is now open for the Midwest Rigging Intensive, scheduled for 25-27 August. Training will be comprised of two days of classroom education at The Theatre School at DePaul University, followed by a day of theater inspection training at DePaul's Merle Reskin Theatre in downtown Chicago. There also will be social events, including drinks with TDs on Thursday evening.

Early Bird pricing is $500 for members of ESTA, USITT, URTA, IATSE, and ETCP Certified Technicians, $550 for non-members, and $400 for students. "Early Bird" ends on August 3, although student prices will remain the same. Visit https://esta.org/mri for more information and a link to registration. A schedule of sessions will be posted there when it is available.

New Summer and Fall dates announced for Mental Health First Aid Training

Mental Health First Aid Training Classes for July, August and September 2022 are now posted on the Behind the Scenes website at http://btshelp.org/mhfa. The course is delivered in two parts. The first is a two-hour self-paced online course that must be completed prior to a six-hour virtual live instructor-led session. Upon completing the course you will become a certified Mental Health First Aider which is valid for three years.

The registration fee is $125. IATSE Members and those working under IATSE agreements may be eligible for Training Trust Fund reimbursement upon proof of successful completion of the course. A limited number of partial and full scholarships are available to individuals not eligible for reimbursement. Private group classes of 15 -20 are available; contact mhfa@btshelp.org for information. Training for Canadians is available through the AFC at https://afchelps.ca/mhfa.

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/1891

Date issued: 6 July 2022
Agency responsible: Environmental Protection Agency (EPA)
National inquiry point: USA WTO TBT Enquiry Point
Products covered: Methylene Chloride
Title: Methylene Chloride; Draft Revision to Toxic Substances Control Act (TSCA) Risk Determination; Notice of Availability and Request for Comment; (7 pages in English)
Description of content: Notice - The Environmental Protection Agency (EPA) is announcing the availability of and seeking public comment on a draft revision to the risk determination for the methylene chloride risk evaluation issued under TSCA. The draft revision to the methylene chloride risk determination reflects the announced policy changes to ensure the public is protected from unreasonable risks from chemicals in a way that is supported by science and the law. In this draft revision to the risk determination EPA finds that methylene chloride, as a whole chemical substance, presents an unreasonable risk of injury to health when evaluated under its conditions of use. In addition, this revised risk determination does not reflect an assumption that all workers always appropriately wear personal protective equipment (PPE). EPA understands that there could be occupational safety protections in place at workplace locations; however, not assuming use of PPE reflects EPA's recognition that unreasonable risk may exist for subpopulations of workers that may be highly exposed because they are not covered by OSHA standards, or their employers are out of compliance with the Department of Labor Occupational Safety and Health Administration (OSHA) standards, or because many of OSHA's chemical-specific permissible exposure limits largely adopted in the 1970's are described by OSHA as being "outdated and inadequate for ensuring protection of worker health," or because the OSHA permissible exposure limit (PEL) alone may be inadequate for ensuring protection of worker health. This revision, when final, would supersede the condition of use-specific no unreasonable risk determinations in the June 2020 methylene chloride risk evaluation (and withdraw the associated order) and would make a revised determination of unreasonable risk for methylene chloride as a whole chemical substance.
Objective and rationale: Protection of human health or safety; Protection of the environment
Relevant documents: 87 Federal Register (FR) 39824, 5 July 2022:
https://www.govinfo.gov/content/pkg/FR-2022-07-05/pdf/2022-14163.pdf
This notice is identified by Docket Number EPA-HQ-OPPT-2016-0742. The Docket Folder is available from Regulations.gov at https://www.regulations.gov/docket/EPA-HQ-OPPT-2016-0742/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 petitions for reconsideration to the USA TBT Enquiry Point by or before 4pm Eastern Time on 15 August 2022. Petitions for reconsideration received by the USA TBT Enquiry Point from WTO Members and their stakeholders will be shared with the regulator and will also be submitted to the Docket on Regulations.gov if received within the comment period.

G/TBT/N/USA/1270 and subsequent addenda - Trichloroethylene (TCE); Regulation of Certain Uses Under Toxic Substances Control Act identified by Docket Number EPA-HQ-OPPT-2016-0387.
G/TBT/N/USA/1271 and subsequent addenda - Methylene Chloride and N-Methylpyrrolidone; Regulation of Certain Uses Under TSCA Section 6(a) identified by Docket Number EPA-HQ-OPPT-2016-0231.
G/TBT/N/USA/1357 and Corrigendum - Labeling of Certain Household Products Containing Methylene Chloride; Supplemental Guidance identified by Docket Number CPSC-2016-2019.
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 4 August 2022
Full text: https://www.govinfo.gov/content/pkg/FR-2022-07-05/pdf/2022-14163.pdf

Taiwan, Penghu, Kinmen and Matsu (Chinese Taipei) Notification TPKM/497
Date issued: 6 July 2022
Agency responsible: Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (BSMI)
National inquiry point: Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (BSMI)
Products covered: Belts for work positioning and restraint and work positioning lanyards, full-body harnesses and safety belts (Fasten Type)(Refer to attachment)
Title: Proposal for Amendments to the Legal Inspection Requirements for Belts for Work Positioning and Restraint and Work Positioning Lanyards, Full-body Harnesses and Safety Belts (Fasten Type); (2 pages in English), (3 pages in Chinese), (1 page in Chinese)
Description of content:
1. Belts for work positioning and restraint and work positioning lanyards, full-body harnesses and safety belts (Fasten Type), whether domestically produced or imported from abroad, must be in compliance with the inspection requirements before they are transported out of production premises or released from the Customs.
2. With a view to enhancing the performance of belts for work positioning and restraint and work positioning lanyards and full-body harnesses, the Bureau of Standards, Metrology and Inspection (BSMI) proposes to update the inspection standards. CNS 7534 published in 2015 will be adopted for belts for work positioning and restraint and work positioning lanyards. CNS 14253-1 and CNS 14253-6 published in 2014 will be adopted for full-body harnesses.
3. The BSMI also proposes to adopt the procedure of Type-Approved Batch Inspection (TABI) in place of Batch-by-batch Inspection to speed up customs clearance. The alternative procedure is still Registration of Product Certification (Modules II+IV, II+V, or II+VII). Business operators can choose the procedure appropriate for them depending on their needs
Objective and rationale: Protection of human health or safety
Relevant documents: The Commodity Inspection Act, CNS 7534, CNS 14253-1, CNS 14253-6,CNS 6701
Proposed date of adoption: Not given by country
Proposed date of entry into force: 1 February 2023
Final date for comments: 4 September 2022
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM497(english).pdf, https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM497[1](traditional_chinese).pdf, and https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM497[2](traditional_chinese).pdf

United Kingdom Notification GBR/50
Date issued: 7 July 2022
Agency responsible: Department for Environment, Food And Rural Affairs
National inquiry point: UK TBT Enquiry Point
Products covered: Electrical and electronic equipment (EEE). More detail on product coverage can be found in Part 1 of Schedule 1 to the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (RoHS Regulations). The HS code that applies is electrical components in general
Title: The Hazardous Substances (Legislative Functions) (Fees) (EU Exit) Regulations 2022 (the 2020 Regulations); (3 pages in English)
Description of content: Introducing a regulation that makes provision for the charging of fees for processing applications for new exemptions, renewals of exemptions and revocations of exemptions from restrictions in the RoHS Regulations.

Objective and rationale: Under the current system the cost of determining applications for exemptions has been transferred to the UK taxpayer. In keeping with the UK principles of Managing Public Money the UK Government is now consulting on making regulations to make provision for the charging of fees to recover this cost from organisations that submit applications for exemptions under the 2020 Regulations on a cost recovery basis. Charges will apply equally to both domestic and non-domestic applicants.
Relevant documents: The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 https://www.legislation.gov.uk/uksi/2012/3032/contents/made The Hazardous Substances and Packaging (Legislative Functions and Amendment) (EU Exit) Regulations 2020 https://www.legislation.gov.uk/uksi/2020/1647/made Consultation on charging fees for applications for exemptions to restrictions in the Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment Regime
Proposed date of adoption: 8 December 2022
Proposed date of entry into force: 6 April 2023
Final date for comments: 5 September 2022
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/GBR/full_text/pdf/GBR50[1](english).pdf and https://tsapps.nist.gov/notifyus/docs/wto_country/GBR/full_text/pdf/GBR50[2](english).pdf

The above notices were culled from the 244 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 ePing website is active now and is available in English, French, and Spanish, aber nicht auf Deutsch.

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 15 August 2022

BSR/ASHRAE Addendum s to BSR/ASHRAE Standard 135.1-202x, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2013)
This addendum adds new and corrects existing tests for Network Layer, MS/TP Data Link Layer, and BACnet Functionality Tests; adds tests for BACnet Secure Connect Data Link Layer and IPv6; renumbers Clause 15; improves existing definitions; and applies miscellaneous editorial changes and others to improve the standard.
Single copy price: $35.00
Access and offer comments at http://www.ashrae.org/standards-research--technology/public-review-drafts

BSR/CTA 2100-202x, Standard Method of Measurement for Soundbars (new standard)
This standard describes how to combine the output volume, frequency, and directivity response to an overall performance rating for the Soundbar System.
Single copy price: Free
Order from: standards@cta.tech
Send comments to CAkers@cta.tech

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard Addendum 1: Corrections (new standard)
This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable.
Single copy price: $67.00
Order from and offer comments to TIA, standards-process@tiaonline.org

Due 22 August 2022

BSR/ASSP Z359.4-202x, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision and redesignation of ANSI/ASSE Z359.4-2013)
This standard establishes requirements for the performance, design, marking, qualification, instruction, training, use, maintenance and removal from service of connectors, harnesses, lanyards, anchorage connectors, winches/hoists, descent control devices, rope tackle blocks and self-retracting lanyards with integral rescue capability comprising rescue systems, utilized in pre-planned self-rescue and assisted-rescue applications for one to two persons.
Single copy price: $110.00
Order from and offer comments to LBauerschmidt@assp.org

BSR/CSA HGV 3.1-202x, Fuel system components for compressed hydrogen gas powered vehicles (revision of ANSI/CSA HGV 3.1-2014 (R2019))
This standard establishes requirements for newly produced compressed hydrogen gas fuel system components, intended for use on hydrogen-gas-powered vehicles including: check valves, manual valves, manual container valves, automatic valves and automatic container valves, hydrogen injectors, pressure and temperature sensors and pressure gauges, pressure regulators, pressure relief valves, pressure relief devices, excess flow valves, gastight housing and ventilation passages, stainless steel rigid fuel lines, flexible fuel lines, hoses and assemblies, filter assemblies, fittings, non-metallic low-pressure rigid fuel lines and discharge line closures.
Single copy price: Free!
Order from and send comments to ANSI.contact@csagroup.org

BSR/CTA 2106-202x, Characteristics and Requirements for Mental Health Technology Solutions (new standard)
This document will provide guidelines and implementation for consumer technologies related to the monitoring treatment, and diagnosis of mental health and mental wellness.
Single copy price: Free
Order from: standards@cta.tech
Send comments to: CAkers@cta.tech

BSR/NEMA GR 1-202x, Ground Rod Electrodes and Ground Rod Electrode Couplings (new standard)
This standards publication applies to ground rod electrodes and ground rod electrode couplings that function in accordance with the National Electrical Code (NFPA 70) and/or the National Electrical Safety Code (ANSI C2). Included are materials, construction, and performance of copper-bonded ground rod electrodes, zinc-coated ground rod electrodes, and stainless steel ground rod electrodes. This standards publication also includes information for electrode products that have been successfully used for many years but are not defined within the National Electrical Code or the National Electrical Safety Code.
Single copy price: $102.00
Order from: www.nema.org
Send comments to pau_orr@nema.org

BSR/UL 1998-202x, Standard for Safety for Software in Programmable Components (revision of ANSI/UL 1998 -2018)
The proposed revisions to UL 1998 include: (1) Removal of limitation to non-networked software, (2) Update of definitions, (3) Clarification of risk analysis scope and requirements, (4) Clarification of software development process requirements, (5) Clarification of tool requirements, (6) Clarification of software design requirements, (7) Clarification of measures to address systematic microelectronic hardware failures, and (8) Clarification of change management and document control requirements.
Single copy price: Free
Access and offer comments at https://csds.ul.com/Home/ProposalsDefault.aspx

Due 6 September 2022

INCITS/ISO/IEC 9594-1:2020 [202x], Information technology - Open systems interconnection - Part 1: TheDirectory: Overview of concepts, models and services (identical national adoption of ISO/IEC 9594-1:2020 and revision of INCITS/ISO/IEC 9594-1:2017 [2018])

Provides the directory capabilities required by many application layer standards and telecommunication services. Among the capabilities which it provides are those of "user-friendly naming", whereby objects can be referred to by names which are suitable for citing by human users (although not all objects need have user-friendly names); and "name-to-address mapping" which allows the binding between objects and their locations to be dynamic.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-2:2020 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models (identical national adoption of ISO/IEC 9594-2:2020 and revision of INCITS/ISO/IEC 9594 - 2:2017 [2018])
Provides a conceptual and terminological framework for the other ITU-T X.500-series Recommendations | parts of ISO/IEC 9594 which define various aspects of the Directory. The functional and administrative authority models define ways in which the Directory can be distributed, both functionally and administratively. Generic Directory System Agent (DSA) and DSA information models and an Operational Framework are also provided to support Directory distribution.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-3:2020 [202x], Information technology - Open systems interconnection - Part 3: The Directory: Abstract service definition (identical national adoption of ISO/IEC 9594-3:2020 and revision of INCITS/ISO/IEC 9594-3:2017 [2018])
Defines in an abstract way the externally visible service provided by the Directory. This document does not specify individual implementations or products.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-4:2020 [202x], Information technology - Open systems interconnection - Part 4: The Directory: Procedures for distributed operation (identical national adoption of ISO/IEC 9594-4:2020 and revision of INCITS/ISO/IEC 9594-4:2017 [2018])
Specifies the behaviour of DSAs taking part in a distributed directory consisting of multiple Directory systems agents (DSAs) and/or LDAP servers with at least one DSA. The allowed behaviour has been designed to ensure a consistent service given a wide distribution of the DIB across a distributed directory. Only the behaviour of DSAs taking part in a distributed directory is specified. The behaviour of LDAP servers are specified in relevant LDAP specifications. There are no special requirements on an LDAP server beyond those given by the LDAP specifications.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-5:2020 [202x], Information technology - Open systems interconnection - Part 5: The Directory: Protocol specifications (identical national adoption of ISO/IEC 9594-5:2020 and revision of INCITS/ISO/IEC 9594-5:2017 [2018])
Specifies the Directory Access Protocol, the Directory System Protocol, the Directory Information Shadowing Protocol, and the Directory Operational Binding Management Protocol which fulfil the abstract services specified in Rec. ITU-T X.511 | ISO/IEC 9594-3, Rec. ITU-T X.518 | ISO/IEC 9594-4, Rec. ITU-T X.525 | ISO/IEC 9594-9, and Rec. ITU-T X.501 | ISO/IEC 9594-2.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-6:2020 [202x], Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types (identical national adoption of ISO/IEC 9594-6:2020 and revision of INCITS/ISO/IEC 9594-6:2017 [2018])

Defines a number of attribute types and matching rules which may be found useful across a range of applications of the Directory.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-7:2020 [202x], Information technology - Open systems interconnection - Part 7: The Directory: Selected object classes (identical national adoption of ISO/IEC 9594-7:2020 and revision of INCITS/ISO/IEC 9594-7:2017 [2018])
Defines a number of object classes and name forms which may be found useful across a range of applications of the Directory. The definition of an object class involves listing a number of attribute types which are relevant to objects of that class. The definition of a name form involves naming the object class to which it applies and listing the attributes to be used in forming names for objects of that class. These definitions are used by the administrative authority which is responsible for the management of the directory information.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-8:2020 [202x], Information technology - Open systems interconnection - Part 8: The Directory: Public-key and attribute certificate frameworks (identical national adoption of ISO/IEC 9594-8:2020 and revision of INCITS/ISO/IEC 9594-8:2017 [2018])
Addresses some of the security requirements in the areas of authentication and other security services through the provision of a set of frameworks upon which full services can be based. Specifically, this Recommendation | International Standard defines frameworks for public-key certificates; and attribute certificates.
Single copy price: $250.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-9:2020 [202x], Information technology - Open systems interconnection - Part 9: The Directory: Replication (identical national adoption of ISO/IEC 9594-9:2020 and revision of INCITS/ISO/IEC 9594-9:2017 [2018])
Specifies a shadow service which Directory system agents (DSAs) may use to replicate Directory information. The service allows Directory information to be replicated among DSAs to improve service to Directory users. The shadowed information is updated, using the defined protocol, thereby improving the service provided to users of the Directory.
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-11:2020 [202x], Information technology - Open systems interconnection directory – Part 11: Protocol specifications for secure operations (identical national adoption of ISO/IEC 9594-11:2020)
Provides guidance on how to prepare new and old protocols for cryptographic algorithm migration, and defines auxiliary cryptographic algorithms to be used for migration purposes.
Single copy price: Free
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-2:2020/AM1:2021 [202x], Information technology - Open systems interconnection - Part 2: The Directory: Models - Amendment 1 (identical national adoption of ISO/IEC 9594-2:2020/AM1:2021)
Amendment 1 to ISO/IEC 9594-2:2020.
Single copy price: $20.00
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

INCITS/ISO/IEC 9594-8:2020/COR1:2021 [202x], Information technology - Open systems interconnection – Part 8: The Directory: Public-key and attribute certificate frameworks - Technical Corrigendum 1
(identical national adoption of ISO/IEC 9594-8:2020/COR1:2021)
Technical Corrigendum 1 to ISO/IEC 9594-8:2020.
Single copy price: Free!
Obtain an electronic copy from: http://webstore.ansi.org/
Send comments to comments@standards.incits.org

CSA public review announcements

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

Due 7 August 2022

C22.2 NO. 286, Industrial control panels and assemblies (new edition)
This standard applies to industrial control panels and assemblies rated at not more than 1500 V, intended to be installed and used in non-hazardous locations in accordance with the rules of the *Canadian Electrical Code, Part I*.

Due 4 September 2022

AMA/WDMA/CSA 101/I.S.2/A440, North American Fenestration Standard/Specification for windows, doors, and skylights (new edition)
This fenestration standard/specification applies to operating and fixed, new construction and replacement windows, doors, SSPs, TDDs, roof windows, and unit skylights. This fenestration standard/specification is material-neutral and establishes performance requirements for windows, doors, SSPs, TDDs, roof windows, and unit skylights including their components and materials. This standard/specification concerns itself with the determination of Performance Grade (PG), Allowable Stress Design (ASD) design pressure (DP), and related performance ratings for windows, doors, SSPs, TDDs, roof windows, and unit skylights and is based on laboratory testing of products in standard fixtures. This standard is not intended to test or address the use or installation of the product. Performance requirements are used in this standard/specification when possible.

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 ASA S12.10 Part 1-202x, Acoustics – Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment – Part 1: Determination of Sound Power Level and Emission Sound Pressure (revision of ANSI/ASA S12.10-2010/Part 1 (R2020))
Specifies procedures for measuring and reporting the noise emission of information technology and telecommunications equipment. This standard is considered part of a noise test code for this type of equipment, and is related to basic noise emission standards ISO 3741, ISO 3744, ISO 3745, and ISO 11201. The basic emission quantity is the A-weighted sound power level which may be used for comparing equipment of the same type but from different manufacturers, or for comparing different equipment.
Contact Seth Bard, sethbard@us.ibm.com

BSR ASA S12.10 Part 2-202x, Acoustics – Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment – Part 2: Declaration of Noise Emission Levels (revision of ANSI/ASA S12.10 -2011/Part 2 (R2020))
Specifies procedures for declaring the measured noise emission of information technology and telecommunications equipment. This standard is considered part of a noise test code for this type of equipment, and is related to basic noise emission declaration standard ISO 4871 and ISO 7574-4. The basic emission quantity is the A-weighted sound power level which may be used for comparing equipment of the same type but

from different manufacturers, or for comparing different equipment.
Contact Seth Bard, sethbard@us.ibm.com

BSR/NFPA 30B-202x, Code for the Manufacture and Storage of Aerosol Products (revision of ANSI/NFPA 30B -2023)
1.1.1 This code shall apply to the manufacture, storage, and display of aerosol products as herein defined.
1.1.2 This code shall apply to the storage and display of products whose contents are comprised entirely of compressed or liquefied gas, provided that the containers meet the requirements of 3.3.1 through 3.3.4.
1.1.3 This code shall not apply to post-consumer processing of aerosol containers.
1.1.4 This code shall not apply to containers that do not meet the definition of Aerosol Container (see 3.3.1).
1.1.4.1 Containers that contain a product that meets the definitions in 3.3.2 and 3.3.3, but are larger than the limits specified in 3.3.1, shall not be classified as aerosol products, and this code shall not apply to the manufacture, storage, and display of such products.
Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 51-202x, Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes (revision of ANSI/NFPA 51-2023)
1.1.1 This standard applies to the following:
(1) Design and installation of oxygen–fuel gas welding and cutting systems and allied processes (see 3.3.2), except for systems meeting the criteria in 1.1.5
(2) Utilization of gaseous fuels generated from flammable liquids under pressure where such fuels are used with oxygen
(3) Storage on the site of a welding and cutting system installation of the following:
(a) Gases to be used with such systems where more than one cylinder each of oxygen and fuel gas are stored in any single storage area [includes storage of more than one cylinder each in any single storage area even though all such stored cylinders may be intended for use in systems of the kind described in 1.1.5(1)]
(b) Calcium carbide
1.1.2 Unless specifically indicated otherwise, the term welding and cutting systems shall be considered to include allied processes in this standard.
1.1.3 Where only a portion of a fuel gas system is to be used for welding, cutting, or allied processes, only that portion of the system need comply with this standard.
Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 52-202x, Vehicular Natural Gas Fuel Systems Code (revision of ANSI/NFPA 52-2023)
1.1.1 This code shall apply to the design, installation, operation, and maintenance of compressed natural gas (CNG) and liquefied natural gas (LNG) engine fuel systems on vehicles of all types and for fueling vehicle (dispensing) systems and facilities, and associated storage, including the following: (1) Original equipment manufacturers (OEMs); (2) Final-stage vehicle integrator/manufacturer (FSVIM); (3) Vehicle fueling (dispensing) systems.
1.1.2 This code shall apply to the design, installation, operation, and maintenance of LNG engine fuel systems on vehicles of all types, to their associated fueling (dispensing) facilities, and to LNG-to-CNG facilities with LNG storage in ASME containers of 100,000 gal (379 m^3) or less.
1.1.3 This code shall not apply to those aspects of vehicles and fuel supply containers that are covered by federal motor vehicle safety standards (FMVSSs).
1.1.4 This code shall include marine, highway, rail, off-road, and industrial vehicles.
Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 88A-202x, Standard for Parking Structures (revision of ANSI/NFPA 88A-2023)
This standard shall cover the construction and protection of, as well as the control of hazards in the following:
(1) Open and enclosed parking structures
(2) Parking systems
1.1.1 This standard shall not apply to private garages not exceeding 1000 ft^2 (92.9 m^2) associated with residential buildings.

1.1.2 This standard shall not apply to a free-standing, one-story covered structure that is open on at least two sides that provides shelter and storage for motor vehicles.
Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/NFPA 1082-202x, Standard for Facilities Fire and Life Safety Director Professional Qualifications (revision of ANSI/NFPA 1082-2023)
This standard identifies the minimum job performance requirements (JPRs) for facilities fire and life safety director.
Contact Dawn Michele Bellis, dbellis@nfpa.org

BSR/PMI-08-002-202X, Standard for Program Management (revision of ANSI/PMI 08-002-2017)
The Standard for Program Management, Fifth Edition, provides guidelines for managing programs within an organization. It defines program management and related concepts, describes the program management life cycle, and provides guidance to practitioners on best practices. A cover-to-cover revision is planned to address needed modifications that will allow it to best serve the field.
Contact Lorna Scheel, lorna.scheel@pmi.org

BSR/ASTM WK82223-202x, New Specification for Standard Specification for IBC Special Inspection services (new standard)
The purpose of this specification is to establish requirements for the Special Inspection Agency and their Special Inspectors, in the daily exercise of their service. These requirements will be in conformance with the Test Methods and Standard Practices of ASTM and the currently adopted International Building Code (2018 IBC), including methods for field verification and laboratory testing, as reflected in the Construction Documents.
Contact Laura Klineburger, accreditation@astm.org

BSR/E1.50-1-202x, Requirements for the Structural Support of Temporary LED, Video & Display Systems (revision of ANSI E1.50-1-2017)
The scope of this standard covers LED and other self-illuminated video display structures used as part of the scenery in concerts, theatre shows, and special events. The standard includes advice on planning and site preparedness, assembly and erection, suspension and safety of components, special access requirements, and the use and dismantling of these systems.
Contact Richard Nix, standards@esta.org

BSR/IEEE 260.3-202x, Standard Mathematical Signs and Symbols for Use in Physical Sciences and Technology (new standard)
Only signs and symbols used in writing mathematical text are contained in this standard. Special symbols peculiar to certain branches of mathematics, such as non-Euclidean Geometries, Abstract Algebras, Topology, and Mathematics of Finance, which are not ordinarily applied to the physical sciences and engineering, are not included. Symbols used in tensor analysis are also not included.
Contact Lisa Weisser, l.weisser@ieee.org

BSR/IEEE C57.94-202x, Recommended Practice for Installation, Application, Operation, and Maintenance of DryType Distribution and Power Transformers (revision of ANSI/IEEE C57.94-2015)
This recommended practice describes general recommendations for the installation, application, operation, and maintenance of all single- and polyphase-ventilated, non-ventilated, and sealed dry-type distribution and power transformers or autotransformers, including those with solid-cast and/or resin encapsulated windings, except transformers described as exceptions in IEEE Std C57.12.01.
Contact Lisa Weisser, l.weisser@ieee.org

Final actions on American National Standards

The documents listed below may be of interest to *Standards Watch* readers and have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted. “Final actions” means “done for now.” No standard is really ever finished.

ANSI/ASHRAE/IES Addendum bt to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 30 June 2022

ANSI/ASHRAE/IES Addendum bv to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 30 June 2022

ANSI/ASHRAE/IES Addendum cs to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 30 June 2022

ANSI/ASHRAE/IES Addendum ct to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 30 June 2022

ANSI/ASHRAE/IES Addendum cu to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019), 30 June 2022

ANSI/CPA A208.1-2022, Particleboard (revision and redesignation of ANSI A208.1-2016), 22 June 2022

ANSI/CTA 2088.1-2022, Baseline Cybersecurity for Small Unmanned Aerial Systems (new standard), 24 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 23218-2, Industrial automation systems and integration - Numerical control systems for machine tools - Part 2: Requirements for numerical control system integration, 11 October 2020 [sic], $46.00

ISO/IEC DIS 24392, Cybersecurity - Security reference model for industrial Internet platform (SRM- IIP), 2 May 2022 [sic], $102.00

ISO/DIS 41015, Facility management - Influencing organizational behaviours for improved facility outcomes, 6 May 2022 [sic], $82.00

ISO 7010:2019/DAmd 132, - Amendment 1: Graphical symbols Safety colours and safety signs - Registered safety signs Amendment 132: Safety sign P075: Do not stare at light source, 9 September 2022, Free!

ISO/ASTM DIS 52910, Additive manufacturing - Design Requirements, guidelines and recommendations, 10 September 2022, $82.00

ISO/DIS 9241-221, Ergonomics of human-system interaction Part 221: Human-centred design process assessment model, 15 September 2022, $165.00

ISO/DIS 4980, Benefit-risk assessment for sports, for recreational and sports facilities including equipment, 17 September 2022, $119.00

57/2505/DTS, IEC TS 62351-100-4 ED1: Power systems management and associated information exchange - Data and communication security - Part 100-4: Cybersecurity conformance testing for IEC 62351-4, 23 September 2022

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.

ISO/IEC 9075-1:2016/Cor 1:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-2:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-3:2016/Cor 1:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-4:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-9:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-10:2016/Cor 1:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-11:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-13:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-14:2016/Cor 2:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO/IEC 9075-15:2019/Cor 1:2022, Corrigendum, FREE
(ISO/IEC 9075 is the standard for SQL)

ISO 21856:2022, Assistive products - General requirements and test methods, $225.00

ISO 21931-1:2022, Sustainability in buildings and civil engineering works - Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment Part 1: Buildings, $225.00

ISO 23478:2022, Bamboo structures - Engineered bamboo products - Test methods for determination of physical and mechanical properties, $175.00

ISO 23704-1:2022, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 1: Overview and fundamental principles, $175.00

ISO 23704-2:2022, General requirements for cyber-physically controlled smart machine tool systems (CPSMT) - Part 2: Reference architecture of CPSMT for subtractive manufacturing, $200.00

ISO 24330:2022, Space systems - Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) – Programmatic principles and practices, $149.00

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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