



# Technical Standards Program

## ESTA Standards Watch

September 2018

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### Half a Dozen ESTA Standards Available for Review

Six documents are available for public review on the ESTA website at [http://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](http://tsp.esta.org/tsp/documents/public_review_docs.php). People materially affected by the standards are invited to review them and to comment on them. The documents are:

#### **ANSI E1.5, Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols**

ANSI E1.5 – 2009, last reaffirmed in 2014, is being considered for reaffirmation. This standard describes the composition of theatrical fogs or artificial mists that are not likely to be harmful to healthy performers, technicians, or audience members of normal working age. It is limited to those fogs and mists made from a solution of water and one or more dihydric or trihydric alcohols, and is intended to be applied in theatres, arenas, and other places of entertainment or public assembly. The review runs through September 24; please comment before September 25 starts.

### **BSR E1.6-1, Powered Hoist Systems**

ANSI E1.6-1 – 201x, Entertainment Technology – Powered Hoist Systems, last approved in 2012, is being revised. This document establishes requirements for the design, manufacture, installation, inspection, and maintenance of powered hoist systems for lifting and suspension of loads for performance, presentation, and theatrical production. This standard does not apply to the structure to which the hoist is attached, to the attachment of loads to the load carrying device, to systems for flying people, to welded link chain hoists, or to manually powered hoists. The review runs through October 22; please comment before October 23 starts.

### **ANSI E1.29, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil**

ANSI E1.29 – 2009, previously reaffirmed in 2014, is being considered for reaffirmation. The standard is intended to help guide product safety testing laboratories in evaluating fog-making equipment for design or construction defects that might create unacceptable hazards. It is based on UL 998 - 2006, Humidifiers, with modifications. Products covered are theatrical fog generators intended for use in professional theatrical entertainment, film and video production, theme parks, and fire safety training. The review runs through September 24; please comment before September 25 starts.

### **BSR E1.33, Entertainment Technology -- (RDMnet) -- Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks**

This standard defines a method for carrying E1.20 (RDM) messages over IP networks. It also defines a scalable architecture for RDM message transmission that allows multi-controller environments with tens of thousands of RDM Responders. Additionally, a minimal protocol is defined for carrying non-RDM data over the same architecture. The review runs through November 5; please comment before November 6 starts.

### **BSR E1.37-7, Additional Message Sets for ANSI E1.20 (RDM) - Gateway & Splitter Messages**

This document provides additional Get/Set Parameter Messages for use with the ANSI E1.20 Remote Device Management protocol. This document contains messages relating to configuring managed splitters, proxy devices, and RDMnet Devices. The review runs through November 5; please comment before November 6 starts.

### **BSR E1.62, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events**

This proposed new standard covers mass-produced portable platforms, stair units and ramps used with those platforms, and choral risers, designed to be used for the presentation of music concerts, dramatic plays, fashion shows, and other entertainment and special events. The units covered by this standard are of a size and weight that allows them to be moved and erected by one or two people. The review runs through September 24; please comment before September 25 starts.

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## **Share Your Thoughts on Sharing**

The American National Standards Institute (ANSI) encourages its members and relevant stakeholders to submit comments by October 19 for a new ISO work item focused on the sharing economy.

JISC, the national standards body for Japan, submitted the proposal for the new committee, which will focus on standardization in the field of sharing economy. As noted in the proposal, a combination of widespread internet use and technological developments have led to the emergence of a new trading model of goods and services often called the "sharing economy." Furthermore, the rise in the global usage of mobile devices together with changing behavior of consumers are driving its growth and are encouraging new ways of connecting providers and customers. Recent research from PwC also indicates the impact of the sharing economy: across five sectors (peer-to-peer or P2P finance, online staffing, P2P accommodation, car sharing and music/video streaming), the sharing economy has the potential to increase revenues from 15 billion dollars (in 2014) to around 335 billion dollars by 2025 globally.

All interested U.S. parties are invited to [review the proposal](#), which includes a proposed work plan as well as information on how it may relate to existing international standardization work and relevant stakeholders.

Please submit comments to Steve Cornish, ANSI senior director of international policy, at [scornish@ansi.org](mailto:scornish@ansi.org) by close of business on 19 October 2018. Based on the input received from U.S. stakeholders, a recommended ANSI position and any comments will be developed and presented to the ANSI ISO Committee for approval before the ISO voting deadline of 21 November 2018.

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## WTO Technical Barrier to Trade Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced WTO Technical Barrier to Trade notices that may be of interest to *Standards Watch* readers. If you have a problem with the TBTs, you can protest through your representative to the WTO. See "Guidance for Comment Submissions by U.S. Industry on TBT Notifications" at <http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> or <http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/> for advice on filing objections.

### Kenya Notification KEN/722

**Date issued:** 3 September 2018

**Agency responsible:** Kenya Bureau of Standards, Standards Information Resource Centre (KEBS)

**National inquiry point:** Kenya Bureau of Standards, Standards Information Resource Centre (KEBS)

**Products covered:** All imported products

**Title:** Legal notice no. 127. The standards (Inspection of Imports) Order, 2018 (3 page(s), in English)

**Description of content:** This regulation lays down the process to be followed for inspection of imported goods.

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

**Relevant documents:** The standards Act, Cap 496

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** Not given by country

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/KEN/full\\_text/pdf/KEN722\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KEN/full_text/pdf/KEN722(english).pdf)

### Kenya Notification KEN/723

**Date issued:** 3 September 2018

**Agency responsible:** Kenya Bureau of Standards, Standards Information Resource Centre (KEBS)

**National inquiry point:** Kenya Bureau of Standards, Standards Information Resource Centre (KEBS)

**Products covered:** All imported goods

**Title:** Public Notice on Implementation of Interim Import Standardization Mark (ISM) Logo (1 page(s), in English)

**Description of content:** This public notice covers the process to be followed to acquire Interim Import Standardization Mark (ISM) for inspection of imported goods.

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

**Relevant documents:** Standards Act, Cap 496, Section 10, Laws of Kenya

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** Not given by country

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/KEN/full\\_text/pdf/KEN723\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KEN/full_text/pdf/KEN723(english).pdf)

### United States of America Notification USA/1392 ( Add.1 )

**Date issued:** 30 August 2018

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

**National inquiry point:** USA WTO TBT Enquiry Point

**Products covered:** Chemical substances

**Title:** Significant New Use Rules on Certain Chemical Substances (2 pages, in English)

**Description of content:** EPA is proposing significant new use rules (SNURs) under the Toxic Substances Control Act (TSCA) for 10 chemical substances which were the subject of premanufacture notices (PMNs). The chemical substances are subject to Orders issued by EPA pursuant to section 5(e) of TSCA. This action would require persons who intend to manufacture (defined by statute to include import) or process any of

these 10 chemical substances for an activity that is designated as a significant new use by this rule to notify EPA at least 90 days before commencing that activity. The required notification initiates EPA's evaluation of the intended use within the applicable review period. Persons may not commence manufacture or processing for the significant new use until EPA has conducted a review of the notice, made an appropriate determination on the notice, and has taken such actions as are required with that determination. In addition to this notice of proposed rulemaking, EPA is issuing the action as a direct final rule elsewhere in this issue of the Federal Register.

**Objective and rationale:** Protection of the environment

**Relevant documents:** 83 Federal Register (FR) 43606, 27 August 2018; Title 40 Code of Federal Regulations (CFR) Part 721.

Significant New Use Rules on Certain Chemical Substances, Direct Final Rule published 27 August 2018 will be notified as Add.1: <https://www.govinfo.gov/content/pkg/FR-2018-08-27/html/2018-18534.htm>  
<https://www.govinfo.gov/content/pkg/FR-2018-08-27/pdf/2018-18534.pdf>

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 26 September 2018

**Full text:** [https://members.wto.org/cnattachments/2018/TBT/USA/18\\_4660\\_00\\_e.pdf](https://members.wto.org/cnattachments/2018/TBT/USA/18_4660_00_e.pdf)

#### **United States of America Notification USA/1393 ( Add.1 )**

**Date issued:** 30 August 2018

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

**National inquiry point:** USA WTO TBT Enquiry Point

**Products covered:** Chemical substances

**Title:** Significant New Use Rules on Certain Chemical Substances (1 page, in English)

**Description of content:** EPA is proposing significant new use rules (SNURs) under the Toxic Substances Control Act (TSCA) for 19 chemical substances which were the subject of premanufacture notices (PMNs). The chemical substances are subject to Orders issued by EPA pursuant to section 5(e) of TSCA. This action would require persons who intend to manufacture (defined by statute to include import) or process any of these 19 chemical substances for an activity that is designated as a significant new use by these rules to notify EPA at least 90 days before commencing that activity. The required notification initiates EPA's evaluation of the intended use within the applicable review period. Persons may not commence manufacture or processing for the significant new use until EPA has conducted a review of the notice, made an appropriate determination on the notice, and has taken such actions as are required with that determination. In addition to this Notice of Proposed Rulemaking, EPA is issuing the action as a direct final rule elsewhere in this issue of the Federal Register.

**Objective and rationale:** Protection of the environment

**Relevant documents:** 83 Federal Register (FR) 43607, 27 August 2018; Title 40 Code of Federal Regulations (CFR) Part 721.

Significant New Use Rules on Certain Chemical Substances, Direct Final Rule published 27 August 2018 will be notified as Add.1: <https://www.govinfo.gov/content/pkg/FR-2018-08-27/html/2018-18403.htm>  
<https://www.govinfo.gov/content/pkg/FR-2018-08-27/pdf/2018-18403.pdf>

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 26 September 2018

**Full text:** [https://members.wto.org/cnattachments/2018/TBT/USA/18\\_4661\\_00\\_e.pdf](https://members.wto.org/cnattachments/2018/TBT/USA/18_4661_00_e.pdf)

#### **European Union Notification EU/594**

**Date issued:** 27 August 2018

**Agency responsible:** EU-TBT Enquiry Point

**National inquiry point:** EU-TBT Enquiry Point

**Products covered:** Power transformers

**Title:** Draft Commission Regulation amending Regulation (EU) No 548/2014 of 21 May 2014 on implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to small, medium and large power transformers (8 pages + annex 8 pages, in English)

**Description of content:** This draft Commission Regulation complements existing minimum requirements on the energy efficiency of power transformers. In accordance with Framework Directive 2009/125/EC, products need to meet these minimum requirements when being placed on the EU market. The draft Regulation is

based on the technical and economic findings of a study specifically undertaken to review the existing regulation EU 548/2014, as well as on stakeholder feedback.

**Objective and rationale:** The objectives are to contribute to the EU climate and energy targets (20/20/20 targets) and to the circular economy policy objectives. More specifically, this initiative is intended to ensure that power transformers being placed on the EU market result in energy savings and avoided CO2 emissions throughout their service lives in a cost-effective manner.

Relevant documents: Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of Ecodesign requirements for energy-related products, Official Journal L 285, 31 October 2009 P. 0010: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1519726698123&uri=CELEX:32009L0125>

**Proposed date of adoption:** 30 January 2019

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 26 October 2018

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU594\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU594[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU594\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU594[2](english).pdf)

### Israel Notification ISR/1024

**Date issued:** 27 August 2018

**Agency responsible:** Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

**National inquiry point:** Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

**Products covered:** Audio/video, information and communication technology equipment (HS 842230, 8437, 8443, 847010, 8471, 8472, 8476, 850440, 850680, 8517, 8518, 8519, 8521, 8525, 8526, 8527, 8528, 8531, 8536, 8543, 9008, 9016, 910610, 9207, 9503, 9504, 9505, 9506)

**Title:** SI 62368 part 1 - Audio/video, information and communication technology equipment - Safety requirements (330 page(s), in English; 10 page(s), in Hebrew)

**Description of content:** Revision of the Mandatory Standards SI 60065 and SI 60950 part 1 to be replaced with SI 62368 part 1, dealing with the safety requirements of audio/video, information and communication technology equipment. This draft standard revision adopts the International Standard IEC 62368-1 - Edition 2.0: 2014-02. This draft revision is based on the principles of hazard based safety engineering and therefore is significantly different from the current practice. It also includes a few changes that appear in the standard's Hebrew section as follows:

- Changes in the normative references (paragraph 2);
- Adds a new paragraph 201 dealing with the prevention of electromagnetic disorders;
- Adds a new paragraph 202 dealing with the wattage consumption;
- Amends annexes B, F and G.

Both the old standards and this new revised standard will apply from entry into force of this new revision until 20 June 2019. During this time product may be tested according to the old or the new revised standards.

**Objective and rationale:** Protection of human health or safety

**Relevant documents:** Israel Mandatory Standard SI 60065 (February 2012) and Amendment 1 (February 2015); Israel Mandatory Standard SI 60950 part 1 (November 2015); International Standard IEC 62368-1 - Edition 2.0: 2014-02.

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 26 October 2018

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/ISR/full\\_text/pdf/ISR1024\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR1024(hebrew).pdf)

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## ANSI Public Review Announcements

The following documents have been announced for public review by ANSI. 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 15 October 2018**

**BSR/ASA S12.60-201x/Part 4, Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools - Part 4: Acoustic Standards for Physical Education Teaching Environments** (new standard)

Applicable to gymnasiums and other physical education learning spaces in permanent schools. This standard includes acoustical performance criteria, and design requirements for gymnasiums and other physical education

learning spaces. Annex A provides procedures for optional testing to determine conformance with the source background noise requirements and the reverberation time requirements of this standard. Annex B provides commentary information on various paragraphs of this standard. Annex C provides guidelines for controlling reverberation in gymnasiums and other physical education spaces. Annex D provides guidelines for controlling background noise in gymnasiums and other physical education spaces.

Single copy price: \$150.00

Order from and send comments to: Caryn Mennigke, [asastds@acousticalsociety.org](mailto:asastds@acousticalsociety.org)

**BSR/AWS F2.3M-201X, Specification for Transparent Welding Curtains and Screens** (revision of ANSI/AWS F2.3M-2011)

This standard informs the reader of reasonable and adequate means, ways and methods for the testing, selection and safe use of transparent welding curtains and screens. These devices are designed to provide outside viewers, at some distance from the welding arc or operation, a safe view of the operation and operator.

Single copy price: \$32.00

Order from: Stephen Hedrick, [steveh@aws.org](mailto:steveh@aws.org)

Send comments to: [pportela@aws.org](mailto:pportela@aws.org)

**BSR/NALFA LF-01-201x, Laminate Flooring Specifications and Test Methods** (revision of ANSI/NALFA LF-01-2010)

The product standard shall apply to the performance of residential and commercial uses of laminate flooring. The Standard will be useful in guiding/assisting manufacturers and educating suppliers and consumers about the minimum performance of laminate flooring in residential, light commercial, commercial, and heavy commercial settings.

Single copy price: \$25.00 (nonmembers); Free (NALFA members)

Order from and send comments to: David Goch, [dgoch@wc-b.com](mailto:dgoch@wc-b.com)

**BSR/NALFA LF-02-201x, Sustainability Assessment of Laminate Flooring** (revision of ANSI/NALFA LF-02-2010)

To assist in the clarification, and quantification, of the sustainability, i.e., the "green", properties of consumer, commercial, and industrial laminate flooring.

Single copy price: \$25.00 (nonmembers); Free (NALFA members)

Order from and send comments to: David Goch, [dgoch@wc-b.com](mailto:dgoch@wc-b.com)

**BSR/UL 61010-2-030-201X, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits** (national adoption of IEC 61010-2-030 with modifications and revision of ANSI/UL 61010-2-030-2012 (R2016))

Adoption of IEC 61010-2-030, Edition 2.0 (issued 2017-01), Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-030: Particular Requirements for Equipment Having Testing or Measuring Circuits, as a new IEC-based UL Standard, UL 61010-2-030, Second Edition with US National Differences.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments to: Vickie Hinton, [Vickie.T.Hinton@ul.com](mailto:Vickie.T.Hinton@ul.com)

**Due 22 October 2018**

**BSR/ASHRAE Addendum bw to BSR/ASHRAE Standard 135-201x, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2016)

There is a need for a simple, universal data exchange format for the transfer of a time-series data between various platforms for operations such as analyzing the energy performance of buildings. This addendum adds Time Series Data Exchange Format.

Single copy price: \$35.00

Obtain an electronic copy from: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

Send comments to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

**BSR/ASHRAE/ICC/USGBC/IES Addendum 189.1j-201x, Standard for the Design of High-Performance Green Buildings Except LowRise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

This addendum makes numerous updates the renewable energy requirements of Standard 189.1.

Single copy price: \$35.00

Obtain an electronic copy from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to Online Comment Database: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

**BSR/ASHRAE/ICC/USGBC/IES Addendum 189.1k-201x, Standard for the Design of High-Performance Green Buildings Except LowRise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

This addendum makes the performance approach and the prescriptive approach consistent with each other. It also addresses how to calculate the energy cost credit for the procurement of off-site renewable energy.

Single copy price: \$35.00

Obtain an electronic copy from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to Online Comment Database: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

**BSR/AWS B2.5/B2.5M-201x (ISO/TR 18491-2015 MOD), Specification for Measurement and Calculation of Welding Energy** (national adoption with modifications of ISO/TR 18491:2015)

This document provides a method to accurately determine welding energy and heat input, both in the case of traditional welding systems and those that employ complex waveforms. It is intended that this specification be referenced by other welding codes that require the control of heat input or welding energy to control properties of the weldment, such as strength, toughness, corrosion, or dimensional properties.

Single copy price: \$25.00

Order from: Jennifer Rosario, [jrosario@aws.org](mailto:jrosario@aws.org)

Send comments to: Andrew Davis, [adavis@aws.org](mailto:adavis@aws.org)

**BSR E1.6-1-201x, Entertainment Technology - Powered Hoist Systems** (revision of ANSI E1.6-1-2012)

This standard establishes requirements for the design, manufacture, installation, inspection, and maintenance of powered hoist systems for lifting and suspension of loads for performance, presentation, and theatrical production. This standard does not apply to the structure to which the hoist is attached, to the attachment of loads to the load-carrying device, to systems for flying people, to welded link-chain hoists, or to manually powered hoists.

Single copy price: Free

Obtain an electronic copy from: [http://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](http://tsp.esta.org/tsp/documents/public_review_docs.php)

Send comments to: [standards@esta.org](mailto:standards@esta.org)

**BSR/ISA 62453-315 (103.00.09)-201x, Field device tool (FDT) interface specification - Part 315: Communication profile integration - IEC 61784 CPF 15** (national adoption of IEC 62453-315 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)

This part of the ISA 62453 series provides information for integrating Modbus TCP® and Modbus Serial Line® protocol support into FDT based systems. NOTE: This part of ISA 62453 series only specifies the mapping of Modbus parameters to FDT data types. For restrictions of protocol specific parameters concerning allowed values and concerning limitations of arrays used in the definition of FDT data types, refer to IEC 61158-5-15 and the MODBUS Application Protocol Specification.

Single copy price: \$350.00

Order from and send comments to: Rob Breiner, [rbreiner@isa.org](mailto:rbreiner@isa.org)

**Due 30 October 2018**

**BSR/NALFA LF-03-201x, Flooring Underlayment Specifications and Test Methods** (new standard)

The product standard creates performance standards and test methods for underlayment when used with residential, commercial, and industrial laminate flooring. The standard will be useful in guiding manufacturers of both laminate flooring and underlayments, and educating suppliers, builders, and consumers about the minimal

performance requirements of underlayment in residential, light commercial, commercial, and industrial laminate flooring use settings.

Single copy price: \$25.00 (nonmembers); Free (NALFA members)

Order from and send comments to: David Goch, [dgoch@wc-b.com](mailto:dgoch@wc-b.com)

#### **Due 6 November 2018**

#### **BSR/ASHRAE Addendum q to BSR/ASHRAE Standard 135.1-201x, Method of Test for Conformance to BACnet** (addenda to ANSI/ASHRAE Standard 135.1-2013)

This addendum updates alarm and event tests for protocol revisions 13 and higher.

Single copy price: \$35.00

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

#### **BSR/ASME B107.410-201x, Struck Tools** (new standard)

The purpose of B107.410 is to define essential performance and safety requirements specifically applicable to the various struck tools covered herein (e.g., Wood-Splitting Wedge; Chisels - Glaziers, Wood, Ripping, Flooring/Electricians; Stud, Screw, and Pipe Extractors; Metal Chisels, Punches, and Drift Pins; Nail Sets; Brick Chisels, Brick Sets, and Star Drills; Nail Puller Bars and Pry Bars; Slugging and Striking Wrenches). It specifies test methods to evaluate performance related to the defined requirements and safety and indicates limitations of safe use.

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Send comments to: Erika Lawson, [lawsone@asme.org](mailto:lawsone@asme.org)

#### **BSR/ASME Y14.37-201x, Composite Part Drawings** (revision of ANSI/ASME Y14.37-2012)

This standard establishes the requirements for composite product definition that are not covered within the existing ASME Y14 Series of standards.

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Send comments to: Fredric Constantino, [constantinof@asme.org](mailto:constantinof@asme.org)

#### **BSR/IEEE 802.11aj-201x, Standard for Information Technology - Telecommunications and information exchange between systems Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment 3: Enhancements for Very High Throughput to Support Chinese Millimeter Wave Frequency Bands (60 GHz and 45 GHz)** (addenda to ANSI/IEEE 802.11-2016)

This amendment defines modifications to the IEEE P802.11ad Physical (PHY) layer and the Medium Access Control (MAC) layer to enable operation in the Chinese 59-64 GHz frequency band. The amendment shall maintain backward compatibility with 802.11ad when it operates in the 59-64 GHz frequency band. The amendment also defines modifications to the PHY and MAC layers to enable the operation in the Chinese 45-GHz frequency band. The amendment maintains the 802.11 user experience.

Single copy price: \$268.00 (pdf); \$335.00 (print)

Order from: <https://www.techstreet.com/ieee>

Send comments to: [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

#### **INCITS/ISO/IEC 9075-3:2016 [201x], Information Technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI)** (identical national adoption of ISO/IEC 9075-3:2016 and revision of INCITS/ISO/IEC 9075-3:2008 [R2013])

Defines the structures and procedures that can be used to execute statements of the database language SQL from within an application written in a programming language in such a way that procedures used are independent of the SQL statements to be executed.

Single copy price: \$209.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-1:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 1: Overview of Concepts, Models and Services** (identical national adoption of ISO/IEC 9594-1:2017 and revision of INCITS/ISO/IEC 9594-1:2008 [2013])

Provides the directory capabilities required by OSI applications, OSI management processes, other OSI layer entities, and telecommunications 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 (though not all objects need have user-friendly names); and "nameto-address mapping" which allows the binding between objects and their locations to be dynamic. The latter capability allows OSI networks, for example, to be "self-configuring" in the sense that addition, removal, and the changes of object location do not affect OSI network operation.

Single copy price: \$138.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-2:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 2: Models** (identical national adoption of ISO/IEC 9594-2:2017 and revision of INCITS/ISO/IEC 9594-2:2008 [2013])

The models defined in this standard provide 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. The generic Directory Information Models describe the logical structure of the Directory Information Base (DIB) from the perspective of Directory and Administrative Users. In these models, the fact that the Directory is distributed, rather than centralized, is not visible.

Single copy price: \$209.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-3:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 3: Abstract Service Definition** (identical national adoption of ISO/IEC 9594-3:2017 and revision of INCITS/ISO/IEC 9594-3:2008 [2013])

Defines in an abstract way the externally visible service provided by the Directory. Does not specify individual implementations or products.

Single copy price: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-4:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 4: Procedures for Distributed Operation** (identical national adoption of ISO/IEC 9594-4:2017 and revision of INCITS/ISO/IEC 9594-4:2008 [2013])

Specifies the behavior 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 behavior has been designed to ensure a consistent service given a wide distribution of the DIB across a distributed directory. Only the behavior of DSAs taking part in a distributed directory is specified. The behavior 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: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-5:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 5: Protocol Specifications** (identical national adoption of ISO/IEC 9594-5:2017 and revision of INCITS/ISO/IEC 9594-5:2008 [2013])

Specifies the Directory Access Protocol, the Directory System Protocol, the Directory Information Shadowing Protocol, and the Directory Operational Binding Management Protocol which fulfill 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: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-6:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 6: Selected Attribute Types** (identical national adoption of ISO/IEC 9594-6:2017 and revision of INCITS/ISO/IEC 9594-6:2000 [2013])

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: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-7:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 7: Selected Object Classes** (identical national adoption of ISO/IEC 9594-7:2017 and revision of INCITS/ISO/IEC 9594-7:2008 [2013])

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: \$162.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-8:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 8: Public-Key and Attribute Certificate Frameworks** (identical national adoption of ISO/IEC 9594-8:2017 and revision of INCITS/ISO/IEC 9594 -8:2008 [2013])

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: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 9594-9:2017 [201x], Information Technology - Open Systems Interconnection - The Directory - Part 9: Replication** (identical national adoption of ISO/IEC 9594-9:2017 and revision of INCITS/ISO/IEC 9594-9:2008 [2013])

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: \$185.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 19086-3:2017 [201x], Information technology - Cloud computing - Service level agreement (SLA) framework - Part 3: Core conformance requirements** (identical national adoption of ISO/IEC 19086-3:2017)

This standard specifies the core conformance requirements for service level agreements (SLAs) for cloud services based on ISO/IEC 19086-1 and guidance on the core conformance requirements. This document is for the benefit of and use by both cloud service providers and cloud service customers. The standard does not provide a standard structure that would be used for cloud SLAs.

Single copy price: \$103.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 27033-4-2014 [201x], Information technology - Security techniques - Network security - Part 4: Securing communications between networks using security gateways** (identical national adoption of ISO/IEC 27033-4:2014 and revision of INCITS/ISO/IEC 18028-3:2005 [R2013])

Gives guidance for securing communications between networks using security gateways (firewall, application firewall, Intrusion Protection System, etc.) in accordance with a documented information security policy of the security gateways, including (1) identifying and analysing network security threats associated with security gateways; (2) defining network security requirements for security gateways based on threat analysis; (3) using techniques for design and implementation to address the threats and control aspects associated with typical network scenarios; and (4) addressing issues associated with implementing, operating, monitoring, and reviewing network security gateway controls.

Single copy price: \$138.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 29500-1-2016 [201x], Information Technology - Document Description and Processing Languages - Office Open XML File Formats - Part 1: Fundamentals and Markup Language Reference** (identical national adoption of ISO/IEC 29500-1:2016 and revision of INCITS/ISO/IEC 29500-1:2012 [2013])

Defines a set of XML vocabularies for representing word-processing documents, spreadsheets, and presentations. On the one hand, the goal of ISO/IEC 29500 is to be capable of faithfully representing the pre-existing corpus of word-processing documents, spreadsheets, and presentations that had been produced by the Microsoft Office applications (from Microsoft Office 97 to Microsoft Office 2008, inclusive) at the date of the creation of ISO/IEC 29500. It also specifies requirements for Office Open XML consumers and producers. On the other hand, the goal is to facilitate extensibility and interoperability by enabling implementations by multiple vendors and on multiple platforms.

Single copy price: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 29500-3-2015 [201x], Information Technology - Document Description and Processing Languages - Office Open XML File Formats - Part 3: Markup Compatibility and Extensibility** (identical national adoption of ISO/IEC 29500-3:2015 and revision of INCITS/ISO/IEC 29500-3:2012 [2013])

Describes a set of conventions that are used by Office Open XML documents to clearly mark elements and attributes introduced by future versions or extensions of Office Open XML documents, while providing a method by which consumers can obtain a baseline version of the Office Open XML document (a version without extensions) for interoperability.

Single copy price: \$162.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 29500-4-2016 [201x], Information Technology - Document Description and Processing Languages - Office Open XML File Formats - Part 4: Transitional Migration Features** (identical national adoption of ISO/IEC 29500-4:2016 and revision of INCITS/ISO/IEC 29500-4:2012 [2013])

Defines a set of XML vocabularies for representing word-processing documents, spreadsheets, and presentations. On the one hand, the goal of ISO/IEC 29500 is to represent faithfully the existing corpus of word-processing documents, spreadsheets, and presentations that have been produced by Microsoft Office applications (from Microsoft Office 97 to Microsoft Office 2008, inclusive). It also specifies requirements for Office Open XML consumers and producers. On the other hand, the goal is to facilitate extensibility and interoperability by enabling implementations by multiple vendors and on multiple platforms. Defines features for backward compatibility and that are useful for high-quality migration of existing binary documents to ISO/IEC 29500. These features are used only by documents of conformance class WML Transitional (§2.1), SML Transitional (§2.1), or PML Transitional (§2.1). These features are sometimes needed for high-quality migration of existing binary documents to ISO/IEC 29500.

Single copy price: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 10646:2017 [201x], Information technology - Universal Coded Character Set (UCS)**

(identical national adoption of ISO/IEC 10646:2017 and revision of INCITS/ISO/IEC 10646:2014 [2017])

Specifies the Universal Coded Character Set (UCS). It is applicable to the representation, transmission, interchange, processing, storage, input, and presentation of the written form of the languages of the world as well as of additional symbols. Specifies the architecture of this International Standard; defines terms used in this International Standard; describes the general structure of the UCS codespace; specifies the Basic Multilingual Plane (BMP) of the UCS; specifies supplementary planes of the UCS: the Supplementary Multilingual Plane (SMP), the Supplementary Ideographic Plane (SIP), the Tertiary Ideographic Plane (TIP), and the Supplementary Special-purpose Plane (SSP); defines a set of graphic characters used in scripts and the written form of languages on a world-wide scale; specifies the names for the graphic characters and format characters of the BMP, SMP, SIP, TIP, SSP and their coded representations within the UCS codespace; specifies the coded representations for control characters and private use characters; specifies three encoding forms of the UCS: UTF-8, UTF-16, and UTF-32; specifies seven encoding schemes of the UCS: UTF-8, UTF-16, UTF-16BE, UTF-16LE, UTF-32, UTF-32BE, and UTF-32LE; specifies the management of future additions to this coded character set. The UCS is an encoding system different from that specified in ISO/IEC 2022. The method to designate UCS from ISO/IEC 2022 is specified in 12.2.

Single copy price: \$232.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 17203:2017 [201x], Information technology - Open Virtualization Format (OVF)**

**specification** (identical national adoption of ISO/IEC 17203:2017 and revision of INCITS/ISO/IEC 17203:2011 [R2017])

This standard specifies an open, secure, portable, efficient, and extensible format for the packaging and distribution of software to be run in virtual machines.

Single copy price: \$209.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**INCITS/ISO/IEC 19941:2017 [201x], Information technology - Cloud computing - Interoperability and portability** (identical national adoption of ISO/IEC 19941:2017)

This standard specifies cloud computing interoperability and portability types, the relationship and interactions between these two cross-cutting aspects of cloud computing, and common terminology and concepts used to discuss interoperability and portability, particularly relating to cloud services. This standard is related to other standards, namely, ISO/IEC 17788, ISO/IEC 17789, ISO/IEC 19086-1, ISO/IEC 19944, and in particular, references the cross-cutting aspects and components identified in ISO/IEC 17788 and ISO/IEC 17789, respectively. The goal of this document is to ensure that all parties involved in cloud computing, particularly CSCs, CSPs, and cloud service partners (CSNs) acting as cloud service developers, have a common understanding of interoperability and portability for their specific needs. This common understanding helps to achieve interoperability and portability in cloud computing by establishing common terminology and concepts.

Single copy price: \$209.00

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

Send comments to: [Comments@standards.incits.org](mailto:Comments@standards.incits.org)

**Due 15 November 2018**

**BSR/NFPA 91-201x, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids** (revision of ANSI/NFPA 91-2015)

This standard provides minimum requirements for the design, construction, installation, operation, testing, and maintenance of exhaust systems for air conveying of vapors, gases, mists, and particulate solids as they relate to fire and/or explosion prevention, except as modified or amplified by other applicable NFPA standards. This standard does not cover exhaust systems for conveying combustible particulate solids that are covered in other NFPA standards.

Obtain an electronic copy from and send comments to: <http://www.nfpa.org/91next>

**BSR/NFPA 600-201x, Standard on Facility Fire Brigades** (revision of ANSI/NFPA 600-2015)

This standard contains minimum requirements for organizing, operating, training, and equipping industrial fire brigades. It also contains minimum requirements for the occupational safety and health of industrial fire brigade members while performing fire fighting and related activities. This standard shall apply to any organized, private, industrial group of employees having fire-fighting response duties, such as emergency brigades, emergency response teams, fire teams, and plant emergency organizations. This standard shall not apply to industrial fire brigades that respond to fire emergencies outside the boundaries of the industrial site where the off-site fire involves unfamiliar hazards or enclosed structures with layout and contents that are unknown to the industrial fire brigade. This standard shall not apply to medical response, confined space rescue response, and hazardous material response activities.

Obtain an electronic copy from and send comments to: <http://www.nfpa.org/600next>

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**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 24 September 2018**

**C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4352, Revisions to item 14-100 c), protection of conductors.**

Revise Item 14-100 c) as shown.

14-100 Overcurrent protection of conductors (see Appendix B)

Each ungrounded conductor shall be protected by an overcurrent device at the point where it receives its supply of current and at each point where the size of conductor is decreased, except that such protection shall be permitted to be omitted in each of the following cases:

[a & b omitted for clarity]

c) where the smaller conductor

i) has an ampacity not less than one-third that of the larger conductor from which it is supplied; and  
ii) ~~is suitably protected from mechanical damage, is not more than 7.5 m long, and terminates in a single overcurrent device rated or set at a value not exceeding the ampacity of the conductor, but beyond the single overcurrent device the conductor shall be permitted to supply any number of overcurrent devices;~~

ii) has an ampacity not less than the ampere rating of the switchboard, panelboard, or control device supplied by the smaller conductor;

iii) is between 3.0 and 7.5 m long;

iv) terminates in a single overcurrent device which shall be permitted to supply any number of overcurrent devices beyond that point; and

v) is suitably protected from mechanical damage;

**Due 9 November 2018**

**C22.2 NO. 0.8 Safety functions incorporating electronic technology** (new edition)

This standard applies to products and component devices where the electronics technology handles the operational logic including the safety features. This Standard applies to the following configurations:

- a) safety control function(s) implemented in hardware only; and
- b) safety control function(s) implemented in some combinations of hardware and software.

The scope of this standard includes the sensors and actuators that are associated with the safety control.

## DIN Public Review Announcement

The Deutsches Institut für Normung has announced a draft document possibly of interest to *Standards Watch* readers that *will be available* for comment from 21 September until 21 November 2018. After you register with DIN at <http://www.entwuerfe.din.de/>, you may purchase and comment on DIN draft standards.

### **DIN 15782, Medien- und Tontechnik - Strukturierte Medienkabelanlagen** (Media and sound technology - Structured media cabling systems)

This document applies to structured cabling in event, production, and media technology. This document must be used in conjunction with DIN EN 50173-1. In addition to what is specified in DIN EN 50173-1, the document specifies transmission links and interfaces for peripherals used in mobile production and event technology, and in fixed production and event facilities.

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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 to them. Contact the developer if you (a) want to be involved in the project, (b) object to the project and wish it to be abandoned, or (c) if you would like to point out that its scope is covered by an existing standard, thereby possibly making the project redundant or conflicting.

### **BSR/ASA S2.75-201x/Part 3, Shaft Alignment Methodology - Part 3: Machines with Vertically Oriented Shafts** (new standard)

Establishes procedures and tolerances for machines with vertically oriented shafts to ensure that such machines will not incur premature failure due to misalignment of the drive shaft to the driven shaft. There is currently no industry standard for shaft alignment methods or metrics (per US DOE Nov. 2012). Shaft alignment of rotating machinery is a required assembly, maintenance, and corrective practice in every industry necessary to commission, safely operate and extend the useful life of machines. The lack of standards creates the environment where neither the provider nor user of services has a defensible position or common reference. Contact: Caryn Mennigke, [asastds@acousticalsociety.org](mailto:asastds@acousticalsociety.org)

### **BSR/BIFMA G1-201X, Ergonomics Guideline for Furniture Used in Office Work Spaces Designed for Computer Use** (new standard)

The purpose of this document is to provide guidance to designers and specifiers in developing, designing, and specifying ergonomic solutions for computer workstations. Contact: David Panning, [dpanning@bifma.org](mailto:dpanning@bifma.org)

### **BSR/BIFMA S6.5-201X, Home and Light-Use Commercial Office Furniture** (revision and redesignation of ANSI/BIFMA/SOHO S6.5 -2008 (R2013))

This standard is intended to provide a common basis for evaluating the safety, durability, and structural adequacy of storage and desk-type furniture intended for the home office or light-use commercial office. Contact: David Panning, [dpanning@bifma.org](mailto:dpanning@bifma.org)

### **BSR/UL 510-201X, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape** (new standard)

This standard covers the following: (a) In the US, this standard covers thermoplastic and rubber tapes for use as electrical insulation at not more than 600 V and at 80°C (176°F) and lower temperatures on joints and splices in wires and cables in accordance with the National Electrical Code, NFPA 70. It is intended that rubber tape on a joint or splice be mechanically protected by a covering such as friction tape. Thermoplastic tape is acceptable without the additional mechanical protection. (b) In Canada, this standard covers thermoplastic and rubber tapes for use as electrical insulation at not more than for use at a maximum temperature of 60°C (140°F), 80°C (176°F), 90°C (194°F), or 105°C (221°F) for insulating joints and splices in wires and cables having a voltage rating up to 1000 V in accordance with the Canadian Electrical Code, Part 1. 600 V and at 80°C (176°F). It is intended that rubber tape on a joint or splice be mechanically protected by a covering such as friction tape. Thermoplastic tape is acceptable without the additional mechanical protection. This standard covers the following: (a) In the US, the characteristic constituent of the thermoplastic tape covered in this standard is either PVC (polyvinyl chloride or a copolymer of vinyl chloride and vinyl acetate), or PE (thermoplastic polyethylene).

(b) In Canada, the characteristic constituent of the thermoplastic tape covered in this standard is PE (thermoplastic polyethylene). Requirements for PVC tape are covered by the standard for PVC Insulating Tape, CSA 22.2 No. 197.

Contact: Megan Monsen, [megan.monsen@ul.com](mailto:megan.monsen@ul.com)

#### **BSR/UL 510A-201X, Standard for Safety for Component Tapes** (new standard)

This standard covers adhesive and non-adhesive backed tapes intended for use with finished electro-mechanical products. Results obtained provide data with respect to the physical, electrical, flammability, thermal, adhesion, and other properties of the tapes under consideration and are intended to provide guidance for tape manufacturers, end-product manufacturers, safety engineers, and other interested parties. This standard also covers tapes which have only been subjected to thickness and flammability tests in accordance with Thickness, Section 9 and Flame Test, Section 20, respectively. Tapes subjected only to flammability tests in accordance with Section 20 may employ a conductive backing. This standard covers the following: (a) In the US, this standard does not cover adhesive coated polyvinyl chloride (PVC), adhesive coated polyethylene (PE) and rubber tapes intended for use on joints and splices in wires and cables in accordance with the National Electrical Code, NFPA 70 at not more than 80°C (176°F) and 600 V. These types of tapes are covered by the Standard for Polyvinyl, Polyethylene, and Rubber Insulating Tape, UL 510. (b) In Canada, this standard does not cover adhesive coated polyvinyl chloride (PVC), intended for use on joints and splices in wires and cables in accordance with the Canadian Electrical Code, Part 1 at a maximum temperature of 60°C (140°F), 80° C (176°F), 90°C (194°F), or 105 °C (221°F) and having voltage ratings up to 1,000 V. These types of tapes are covered by the Standard for PVC Insulating Tape, CSA 22.2 No. 197.

Contact: Megan Monsen, [megan.monsen@ul.com](mailto:megan.monsen@ul.com)

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### **Final Actions on American National Standards**

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

**ANSI A14.1-2018**, Portable Wood Ladders (new standard): 23 August 2018

**ANSI/AWS D16.6M/D16.6-2018**, Specification for Robot Arc Welding Training and Testing Cell (new standard): 22 August 2018

**ANSI/CSA B805/ICC 805-2018**, Standard for Rainwater Collection System Design and Installation (new standard): 17 August 2018

**ANSI/IEEE 802.11-2016**, Standard for Information technology - Telecommunications and information exchange between systems Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications (new standard): 17 August 2018

**ANSI/UL 698A-2018a**, Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (revision of ANSI/UL 698A-2018): 21 August 2018

**ANSI/UL 817-2018**, Standard for Safety for Cord Sets and Power Supply Cords (revision of ANSI/UL 817-2017): 20 August 2018

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### **Draft IEC & ISO Documents**

This section lists proposed documents that the International Electromechanical Commission (IEC) or the International Organization for Standardization (ISO) are considering for approval. *Standards Watch* readers interested in reviewing and commenting on the document should order a copy from their national representative and submit their comments through them. Comments from US citizens on IEC and ISO documents should be sent to Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org) and Karen Hughes at [isot@ansi.org](mailto:isot@ansi.org) respectively. Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

**ISO/DIS 10049**, Aluminium alloy castings - Visual method for assessing the porosity, 22 September 2018, \$33.00

**110/1018/DTR, IEC TR 62595-1-3 ED1**: Display lighting unit - Part 1-3: Lighting units with arbitrary shapes, 1 October 2018

**110/1019/DTR, IEC TR 62629-41-1 ED1**: 3D Display devices - Part 41 -1: Generic introduction of holographic display, 1 October 2018

**110/1020/CD, IEC 62906-5-6 ED1**: Laser display devices - Part 5-6: Measuring methods for optical performance of screens, 1 October 2018

**1/2359/CDV, IEC 60050-845 ED2**: International electrotechnical vocabulary - Part 845: Lighting, 1 November 2018

**64/2300/CDV, IEC 60479-2 ED1**: Effects of current on human beings and livestock - Part 2: Special aspects, 1 November 2018

**110/1017/DTS, IEC TS 62341-6-5 ED1**: Organic light emitting diode (OLED) displays - Part 6-5: Measuring methods of dynamic range properties, 1 November 2018

**34C/1394/CDV, IEC 62384 ED2**: DC or AC supplied electronic control gear for LED modules - Performance requirements, 2 November 2018

**ISO/DIS 15607**, Specification and qualification of welding procedures for metallic materials - General rules, 11 November 2018, \$58.00

**ISO/DIS 15609-2**, Specification and qualification of welding procedures for metallic materials - Welding procedure specification - Part 2: Gas welding, 16 November 2018, \$46.00

**ISO/DIS 21801**, General guidelines on cognitive accessibility, 16 November 2018, \$88.00

**ISO/DIS 21455**, Mobile elevating work platforms - Operators controls - Actuation, displacement, location and method of operation, 18 November 2018, \$88.00

**ISO/DIS 23243**, Non-destructive testing - Terminology - Terms used in ultrasonic testing with phased arrays, 18 November 2018, \$71.00

**ISO/DIS 22688**, Brazing - Quality requirements for brazing of metallic materials, 18 November 2018, \$93.00

**ISO/IEC/IEEE DIS 16326**, Systems and software engineering - Life cycle processes - Project management, 18 November 2018, \$98.00

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## Recently Published IEC & ISO Documents

Listed here are documents recently approved by the IEC and ISO. A list of resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

**IEC 61784-5-12 Ed. 2.0 en:2018**, Industrial communication networks - Profiles - Part 5-12: Installation of fieldbuses - Installation profiles for CPF 12, \$164.00

**IEC 61784-5-18 Ed. 2.0 en:2018**, Industrial communication networks - Profiles - Part 5-18: Installation of fieldbuses - Installation profiles for CPF 18, \$164.00

**IEC 61784-5-2 Ed. 4.0 en:2018**, Industrial communication networks - Profiles - Part 5-2: Installation of fieldbuses - Installation profiles for CPF 2, \$410.00

**IEC 61784-5-3 Ed. 4.0 en:2018**, Industrial communication networks - Profiles - Part 5-3: Installation of fieldbuses - Installation profiles for CPF 3, \$375.00

**IEC 61784-5-6 Ed. 4.0 en:2018**, Industrial communication networks - Profiles - Part 5-6: Installation of fieldbuses - Installation profiles for CPF 6, \$317.00

**IEC 61784-5-8 Ed. 2.0 en:2018**, Industrial communication networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8, \$352.00

**IEC 61784-5-20 Ed. 1.0 en:2018**, Industrial communication networks - Profiles - Part 5-20: Installation of fieldbuses - Installation profiles for CPF 20, \$281.00

**IEC 61784-5-21 Ed. 1.0 en:2018**, Industrial communication networks - Profiles - Part 5-21: Installation of fieldbuses - Installation profiles for CPF 21, \$164.00

**IEC 62885-5 Ed. 1.0 en:2018**, Surface cleaning appliances - Part 5: High pressure cleaners and steam cleaners for household and commercial use - Methods for measuring performance, \$82.00

**IEC/TS 62933-3-1 Ed. 1.0 en:2018**, Electrical energy storage (EES) systems - Part 3-1: Planning and performance assessment of electrical energy storage systems - General specification, \$317.00

**ISO 1835:2018**, Round steel short link chains for lifting purposes - Medium tolerance sling chains - Grade 4, stainless steel, \$103.00

**ISO 2085:2018**, Anodizing of aluminium and its alloys - Check for continuity of thin anodic oxidation coatings - Copper sulfate test, \$45.00

**ISO 6581:2018**, Anodizing of aluminium and its alloys - Determination of the comparative fastness to ultraviolet light and heat of coloured anodic oxidation coatings, \$45.00

**ISO 14067:2018**, Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification, \$185.00

**ISO 14620-1:2018**, Space systems - Safety requirements - Part 1: System safety, \$185.00

**ISO 16100-6:2018**, Industrial automation systems and integration - Manufacturing software capability profiling for interoperability - Part 6: Interface services and protocols for matching profiles based on multiple capability class structures, \$209.00

**ISO 17763:2018**, Space systems - Human-life activity support systems and equipment integration in space flight, \$68.00

**ISO 18275:2018**, Welding consumables - Covered electrodes for manual metal arc welding of high-strength steels - Classification, \$162.00

**ISO 22380:2018**, Security and resilience - Authenticity, integrity and trust for products and documents - General principles for product fraud risk and countermeasures, \$103.00

**ISO/IEC 19896-3:2018**, IT security techniques - Competence requirements for information security testers and evaluators - Part 3: Knowledge, skills and effectiveness requirements for ISO/IEC 15408 evaluators, \$162.00

**ISO/IEC 30141:2018**, Internet of Things (IoT) - Reference Architecture, \$232.00

## TSP Meeting Schedule

The following set of meetings will be held 4-8 October 2018 at the Marriott Solana in Westlake, TX. The most up to date version of the meeting schedule and a "Reserve a hotel room" link are available at <http://tsp.esta.org/tsp/meetings/index.php>. The schedule for the January 2019 meetings at NAMM in Anaheim is there, too.

Control Protocols E1.33 TG	19:00 – 23:00	Friday, 5 October 2018
Control Protocols NAEP TG	20:00 – 22:00	Saturday, 6 October 2018
Control Protocols NextGen CP	14:00 – 18:00	Saturday, 6 October 2018
Control Protocols/Rigging E1.59 TG	14:00 – 18:00	Friday, 5 October 2018
Control Protocols Working Group	09:00 – 13:00	Saturday, 6 October 2018
Electrical Power Inspection TG	09:00 – 13:00	Friday, 5 October 2018
Electrical Power Working Group	14:00 – 18:00	Friday, 5 October 2018
Event Safety Communications TG	14:00 – 18:00	Friday, 5 October 2018
Event Safety Fire Safety TG	09:00 – 13:00	Friday, 5 October 2018
Event Safety Working Group	14:00 – 18:00	Saturday, 6 October 2018
Floors Working Group	09:00 – 13:00	Friday, 5 October 2018
Followspot Position Working Group	15:45 – 17:45*	Sunday, 7 October 2018
Photometrics Working Group	14:00 – 15:30*	Sunday, 7 October 2018
Rigging E1.6-1 TG	09:00 – 13:00	Saturday, 6 October 2018
Rigging E1.6-2 TG	14:00 – 18:00	Saturday, 6 October 2018
Rigging Working Group	19:00 – 23:00	Saturday, 6 October 2018
Stage Machinery E1.64 TG	14:00 – 18:00	Thursday, 4 October 2018
Stage Machinery Working Group	19:00 – 23:00	Friday, 5 October 2018
Technical Standards Council	09:00 – 13:00	Sunday, 7 October 2018

\* Changed

## ESTA Standards Watch

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