



Technical Standards Program

ESTA Standards Watch

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Three New ESTA Standards Published

On Tuesday, October 11, the Secretary of ANSI's Board of Standards Review issued notices that three more ESTA standards had been approved as American National Standards. They are now published and available on the ESTA website and from ANSI and IHS. In alphanumeric order, the new standards are:

ANSI E1.4-1 - 2016, Entertainment Technology - Manual Counterweight Rigging Systems, is a revision of the old standard for manual counterweight systems. The E1.4 project has been broken into three related parts. The other two parts are for dead-hung battens and manually powered winch systems.

ANSI E1.22 - 2016, Entertainment Technology - Fire Curtain Safety Systems, is a revision of the 2009 edition to better align it with the requirements in the current NFPA 80. The standard describes the materials, design, fabrication, installation, operation, testing, and maintenance of fire safety curtains and systems used for theatre proscenium opening protection.

ANSI E1.31 - 2016, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN, is a revision of the 2009 standard. It describes a mechanism to transfer DMX512A packets over a TCP/IP network using a subset of the ACN protocol suite. It covers data format, data protocol, data addressing, and network management. It also outlines a synchronization method to help ensure that multiple sinks can

process this data concurrently when supervised by the same controller. This revision includes DMX512A universe synchronization.

All three standards are now posted for free download at http://tsp.esta.org/tsp/documents/published_docs.php, thanks to the sponsorship of ProSight Specialty Insurance. The standards also may be purchased from ANSI at <http://webstore.ansi.org/> and from IHS at <https://global.ihs.com/>. The list price for each is \$40.

ANSI Seeks Comments on New ISO Field of Activity on Medicinal Plants

The International Organization for Standardization has circulated a proposal for a new field of activity on medicinal plants. As the U.S. member body to ISO, the American National Standards Institute invites stakeholders to submit comments on the proposal by the end of the business day on Friday, 4 November 2016.

The proposal from the Institute of Standards and Industrial Research of Iran explains that with the rise of herbal medicine use worldwide and the rapid expansion of the global market, the safety and quality of herbal materials and finished herbal products have become major concerns for health authorities, pharmaceutical industries, and the public. The document proposes standardization activities in the field of medicinal plants as well as medicinal plants propagation materials, including terminology, sampling, test methods and analysis, product specifications, safety and quality requirements for packaging, storage, and transportation. The proposal is available at <http://estalink.us/36ghr>.

ANSI's constituents should submit comments to Steve Cornish, ANSI senior director of international policy (scornish@ansi.org), by close of business on Friday 4 November 2016. Citizens of other nations should submit comments to their ISO representatives. ANSI has published a document, available at <http://estalink.us/s1zkd>, outlining the process used to develop U.S. positions on issues and activities under consideration by ISO and IEC

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 these notices, 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/enterprise/tbt/> for advice on filing objections.

United States of America Notification USA/1204

Date issued: 7 October 2016

Agency responsible: California Energy Commission

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Computers, computer monitors

Title: Computers, Computer Monitors, and Signage Displays Appliance Efficiency Rulemaking (9 pages, in English)

Description of content: Amends rules to add requirements for computers and computer monitors, clarify that signage displays are subject to the previously adopted television standards, and add an exemption to the battery charger systems standards clarifying that battery charger systems that are contained completely within a larger product and that provide power for data storage or for continuity for volatile cache or memory systems, help maintain system memory, and are not capable of powering full operation when AC mains power is removed are not required to comply with the regulations.

Objective and rationale: Protection of the environment

Relevant documents: Title 20 CCR Sections 1601-1609: <http://www.energy.ca.gov/2015publications/CEC-400-2015-021/CEC-400-2015-021.pdf>

No. 37-Z, California Regulatory Notice Register published on 09/09/2016 (pages 1629-1637):

<http://www.oal.ca.gov/res/docs/pdf/notice/37z-2016.pdf>

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 24 October 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1204\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/USA/full_text/pdf/USA1204(english).pdf)

Taiwan Economy Notification TPKM/248

Date issued: 6 October 2016

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: 92 items of electrical and electronic products (HS: Chapters 84 & 85 & 90). Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof (HS 84), electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles (HS 85), optical, photographic, cinematographic, measuring, checking, precision, medical or surgical instruments and apparatus; parts and accessories thereof (HS 90)

Title: Public Notice under the Commodity Inspection Act (14 pages, in English; 25 pages, in Chinese)

Description of content: In order to encourage industries to reduce the use of restricted chemical substances in electrical and electronic equipment and to control the restricted chemical substances at each stage of the supply chain and life cycle of electrical and electronic equipment, also to promote the awareness of consumers on effective utilization of resources and reduction of environmental burden, the BSMI proposes that manufacturers or importers shall follow the requirements stipulated in Section 5 "Marking of presence" of CNS 15663 (2013.7) and clearly mark "the presence conditions of the restricted substance" (i.e. Marking of presence) on the body, packages, stickers, or the instruction books of 92 items of electrical and electronic products (please refer to the attachment for a detailed list). The conformity assessment procedures remain the same, i.e. Registration of Product Certification (RPC), Type-approved Batch Inspection (TABI) or Declaration of Conformity (DoC).

Objective and rationale: To enhance the consumer protection and reduce the use of the restricted chemical hazardous substances of electrical and electronic equipment.

Relevant documents: The Commodity Inspection Act: CNS 14336-1(2010.9); CNS 13438 (2006.6); CNS 13783-1 (2004.9); CNS 13439(2004.9); CNS 14408(2004.10); Technical Specification for Digital Terrestrial Television Receivers (2011.8); Section 5 "Marking of presence" of CNS 15663 (2013.7)

Proposed date of adoption: Not given by country

Proposed date of entry into force: 1 January 2018

Final date for comments: 5 December 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM248\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM248(english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM248\(traditional_chinese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/TPKM/full_text/pdf/TPKM248(traditional_chinese).pdf)

Korea, Republic of Notification KOR/674

Date issued: 10 October 2016

Agency responsible: Korean Agency for Technology and Standards (KATS)

National inquiry point: Korean Agency for Technology and Standards (KATS), Ministry of Commerce, Industry and Energy (MOCIE) (KATS/MOCIE)

Products covered: Electrical Appliances and Industrial Products

Title: Draft of Enforcement regulation of Electrical Appliances and Industrial Product Safety Control Act (117 pages, available in Korean).

Description of content: In order to enforce the "Electrical Appliances and Industrial Products Safety Control Act", it is necessary to prescribe the details of the safety system.

Products subject to Self-Regulation Safety Confirmation shall be reported the relevant authority.

Define legal terms, system and the scope of enforcement ordinance and enforcement regulation, and specify the products subject to Safety control. Illegal or defeated products subject to the Safety Confirmation will be lost its grant of certification. Exempt the procedure of factory inspection and regular inspection for the electrical appliances which is produced or imported into one-off below 100.

In order to prevent the consumers' damages of internet sales products, prescribe the certification information which shall be posted mandatorily and how to post.

Exempt the products testing and factory inspection for the products which has KS certification, but require the safety certification to be issued in order to post safety management.

Objective and rationale: Consumer protection

Relevant documents: KATS Public Notice No. 2016-499 (26 September 2016)

Proposed date of adoption: 28 January 2017

Proposed date of entry into force: 28 January 2017

Final date for comments: 19 December 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR674\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR674(korean).pdf)

Korea, Republic of Notification KOR/673

Date issued: 10 October 2016

Agency responsible: Korean Agency for Technology and Standards (KATS)

National inquiry point: Korean Agency for Technology and Standards (KATS), Ministry of Commerce, Industry and Energy (MOCIE) (KATS/MOCIE)

Products covered: Electrical Appliances and industrial products

Title: Draft of Enforcement Ordinance of Electrical Appliances and Industrial Products Safety Control Act (44 pages, available in Korean)

Description of content: In order to enforce the "Electrical Appliances and Industrial Products Safety Control Act" it is necessary to prescribe the details of the safety system. Provide criterion of the penalty for mediation of sale or substitution of purchasing without certification label.

Reduce the factory inspections from once a year to every two years.

In order to simplify import process, arrange exemption procedure of products subject to the Self-Regulation Safety Confirmation which is imported or produced for the purpose of research and exhibition and so on.

Objective and rationale: Consumer protection

Relevant documents: KATS Public Notice 2016-498 (26 September 2016)

Proposed date of adoption: 28 January 2017

Proposed date of entry into force: 28 January 2017

Final date for comments: 9 December 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR673\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR673(korean).pdf)

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.

Due 28 November 2016

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

This addendum adds a Staged Value Object Type, which provides away for BACnet devices to map analog values onto multiple binary values or outputs.

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

This addendum adds lighting specific BIBBs and device profiles.

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

This addendum adds a new Audit Reporter object type and new audit notification services to report auditable actions. Addendum bi also changes DeviceCommunicationControl Service for Audit Reporting and modifies Logging Objects to allow for Extremely Large Logs.

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/IESNA RP-30-201x, Recommended Practice for Museum Lighting (revision of ANSI/IESNA RP-30-1996 (R2008))

This standard includes current lighting techniques and new lighting technology since 1996 and intended for lighting designers, museum administrators, curators, and exhibit designers.

Single copy price: \$25.00

Order from and send comments to: Pat McGillicuddy, pmcgillicuddy@ies.org

Due 5 December 2016

BSR/AWS C1.4M/C1.4-201X, Specification for the Resistance Welding of Carbon and Low-Alloy Steels (revision of ANSI/AWS C1.4M/C1.4-2009)

This specification establishes welding equipment requirements and welding procedures used to produce welds of acceptable quality in coated and uncoated carbon and low alloy steels, including mild steels and high-strength low-alloy (HSLA) steels. Since this standard relies on a pulled button to validate the welding procedure, it may not apply to the welding of Advanced High-Strength Steels (AHSS) including: dual phase (DP), transformation induced plasticity (TRIP), complex phase (CP), and martensitic steels (MART); or to Hot Stamped Steels (HSS).

Single copy price: \$32.00

Order from and send comments to: Annik Babinski, ababinski@aws.org

BSR/AWS C3.5M/C3.5-201x-AMD1, Specification for Induction Brazing (revision of ANSI/AWS C3.5M/C3.5-2016)

This specification provides the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the induction brazing of steels, copper, copper alloys, and heat- and corrosion-resistant alloys and other materials that can be adequately induction brazed (the induction brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying induction brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class.

Single copy price: \$32.00

Order from and send comments to: John Douglass, jdouglass@aws.org

BSR/NETA ATS-201x, ANSI/NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2013)

It is the intent of this document to assure that all tested electrical equipment and systems supplied by either contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

Single copy price: \$495.00 USD

Order from and send comments to: Kristen Wicks, (269) 488-6382, kwicks@netaworld.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 the public reviews please visit: <http://publicreview.csa.ca/>.

Due 10 December 2016

C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4148, Temporary installation of single-conductor cables (amendment)

This proposal deletes the rules for single-conductor cables from the stage and studio sections of the CE Code and relocates them to the section for temporary installations in general. The stage and studio sections then would point to the temporary installation section for the rules for single-conductor cable use. Other updates and clarifications are proposed, too.

Due 24 December 2016

Z1005, Incident Investigation and Prevention (new standard)

This standard identifies incident investigation principles and requirements that have as their objective the prevention of work-related incidents. As used in this standard, the term incident refers to an occurrence,

condition or situation arising in the course of work that resulted in, or could have resulted in, injuries, illnesses, damage to health, or fatalities.

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, or (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/TIA 568.0-D-1-201x, Generic Telecommunications Cabling for Customer Premises, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 568.0-D-2015)

This addendum updates references and accommodates new media types introduced by ANSI/TIA-568-C.2-1 and ANSI/TIA-568.3-D.

Contact: Teesha Jenkins, standards@tiaonline.org

BSR/TIA 568.1-D-1-201x, Commercial Building Telecommunications Infrastructure Standard, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 568.1-D-2015)

This addendum updates references and accommodates new media types introduced by ANSI/TIA-568-C.2-1 and ANSI/TIA-568.3-D.

Contact: Teesha Jenkins, standards@tiaonline.org

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/ASHRAE/IES 90.1bn-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 28 September 2016

ANSI/ASHRAE/IES 90.1bz-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 28 September 2016

ANSI/ASHRAE/IES 90.1cd-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 7 October 2016

ANSI/ASHRAE/IES 90.1ch-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 28 September 2016

ANSI/ASHRAE/IES 90.1cy-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013): 7 October 2016

ANSI/ASSE A10.11-2016, Safety Requirements for Personnel Nets (revision of ANSI ASSE A10.11-2010): 11 October 2016

ANSI/ASSE Z244.1-2016, The Control of Hazardous Energy Lockout, Tagout and Alternative Methods (revision of ANSI ASSE Z244.1 -2003 (R2014)): 13 October 2016

ANSI/CTA 2056-2016, Physical Activity Monitoring for Fitness Wearables - Step Counting (new standard): 11 October 2016

ANSI/IES RP-28-2016, Lighting and the Visual Environment for Seniors and the Low Vision Population (revision and redesignation of ANSI/IESNA RP-28-2007): 11 October 2016

Draft IEC & ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) and 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 documents should be sent to Charles T. Zegers at czegers@ansi.org. Comments from US citizens regarding ISO documents should be sent to Karen Hughes at isot@ansi.org. Any prices, if shown, are for purchases through ANSI; prices elsewhere may differ. The sort order is first by due date then by alphanumeric designation.

ISO/IEC DIS 19770-1, Information technology - IT asset management - Part 1: IT asset management systems - Requirements – 30 October 2016, \$107.00

ISO/IEC 23003-4/DAMd2, Information technology - MPEG audio technologies - Part 4: Dynamic Range Control - Amendment 2: Reference software – 4 November 2016, \$33.00

ISO/IEC 23008-12/DAMd1, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 12: Image file format - Amendment 1: Support for AVC, JPEG and layered coding of images – 4 November 2016, \$88.00

ISO/IEC 14496-10/DAMd4, Information technology - Coding of audiovisual objects - Part 10: Advanced Video Coding - Amendment 4: Additional colour space and tone mapping descriptors – 9 November 2015, \$82.00

21A/610/FDIS, IEC 60623: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable single cells, 25 November 2016

CIS/A/1195/FDIS, Amendment 1 to CISPR 16-1-6: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-6: Radio disturbance and immunity measuring apparatus - EMC antenna calibration, 25 November 2016

CIS/A/1194/FDIS, Amendment 2 to CISPR 16-1-4: Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements, 25 November 2016

ISO/DIS 9241-11, Ergonomics of human-system interaction - Part 11: Usability: Definitions and concepts – 25 November 2016, \$93.00

76/558/CD, IEC TR 62471-4: Photobiological Safety of Lamps and Lamp Systems: Measuring Methods, 9 December 2016

CIS/H/311A/CDV, Amendment 2 to IEC 61000-6-4 Ed.2: Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments, 23 December 2016

ISO/DIS 7870-1, Control charts - Part 1: General guidelines – 25 December 2016, \$82.00

ISO/DIS 11553-1, Safety of machinery - Laser processing machines -Part 1: General safety requirements - 29 December 2016, \$77.00

ISO/DIS 11553-2, Safety of machinery - Laser processing machines -Part 2: Safety requirements for hand-held laser processing devices -29 December 2016, \$98.00

ISO/DIS 21503, Draft International Standard - Project, programme and portfolio management - Guidance on programme management - 30 December 2016, \$62.00

18/1554/CD, IEC 60092-401: Electrical installations in ships - Part 401: Installation and test of completed installation, 30 December 2016

77A/934/CDV, IEC 61000-3-2 (f4): Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), 30 December 2016

77A/935/CDV, IEC 61000-3-2 (f3): Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), 30 December 2016

100/2762/CDV, IEC 62827-2 Ed. 1.0: Wireless Power Transfer - Management - Part 2: Multiple devices control management (TA15), 30 December 2016

18/1556/CD, IEC 62742: Electrical and electronic installations in ships - Electromagnetic compatibility (EMC) - Ships with a non-metallic hull, 6 January 2017

21/902/CD, IEC 62485-6: Safety requirements for secondary batteries and battery installations - Part 5: lithium-ion batteries for traction applications, 6 January 2017

21/903/CD, IEC 62485-5: Safety requirements for secondary batteries and battery installations - Part 5: lithium-ion batteries for stationary applications, 6 January 2017

34C/1247/CDV, IEC 62386-332 Ed.1: Digital addressable lighting interface - Part 332: Particular requirements - Input control devices - Feedback, 6 January 2017

Recently Published IEC & ISO Standards

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

IEC 60204-1 Ed. 6.0 b:2016, Safety of machinery - Electrical equipment of machines - Part 1: General requirements, \$387.00

S+ IEC 60204-1 Ed. 6.0 en:2016 (Redline version), Safety of machinery - Electrical equipment of machines - Part 1: General requirements, \$499.00

IEC 62952-1 Ed. 1.0 b:2016, Power sources for a wireless communication device - Part 1: General requirements of power modules, \$73.00

IEC 62952-2 Ed. 1.0 b:2016, Power sources for a wireless communication device - Part 2: Profile for power modules with batteries, \$43.00

IEC 63002 Ed. 1.0 b:2016, Identification and communication interoperability method for external power supplies used with portable computing devices, \$182.00

IEC/TS 61724-2 Ed. 1.0 en:2016, Photovoltaic system performance Part 2: Capacity evaluation method, \$206.00

ISO 9999:2016, Assistive products for persons with disability - Classification and terminology, \$265.00

ISO 15614-7:2016, Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 7: Overlay welding, \$149.00

ISO 18264:2016, Textile slings - Lifting slings for general purpose lifting operations made from fibre ropes - High modulus polyethylene (HMPE), \$173.00

ISO 18682:2016, Intelligent transport systems - External hazard detection and notification systems - Basic requirements, \$149.00

ISO 19080:2016, Intelligent transport systems – Communications access for land mobiles (CALM) - CoAP facility, \$123.00

ISO 20471/Amd1:2016, High visibility clothing - Test methods and requirements - Amendment 1, \$22.00

ISO/CIE 28077:2016, Photocarcinogenesis action spectrum (nonmelanoma skin cancers), \$88.00

ISO/IEC 9594-8/Cor2:2016, Information technology - Open Systems Interconnection - The Directory - Part 8: Public-key and attribute certificate frameworks - Corrigendum, FREE

ISO/IEC/IEEE 8802-1BA:2016, Information technology -Telecommunications and information exchange between systems -Local and metropolitan area networks - Specific requirements – Part 1BA: Audio video bridging (AVB) systems, \$173.00

ISO/IEC/IEEE 8802-1BR:2016, Information technology -Telecommunications and information exchange between systems -Local and metropolitan area networks - Specific requirements – Part 1BR: Virtual bridged local area networks - Bridge port extension, \$265.00

ISO/IEC 13818-1/Amd1/Cor2:2016, Information technology – Generic coding of moving pictures and associated audio information - Part 1: Systems - Corrigendum, FREE

ISO/IEC 13818-1/Amd4:2016, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 4: New profiles and levels for MPEG4 audio descriptor, \$22.00

ISO/IEC 13818-1/Amd5:2016, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 5: Carriage of MPEGH 3D audio over MPEG2 systems, \$22.00

ISO/IEC 13818-1/Amd6:2016, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 6: Carriage of Quality Metadata in MPEG-2 Systems, \$22.00

ISO/IEC 13818-1/Cor1:2016, Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Corrigendum, FREE

ISO/IEC 15444-1:2016, Information technology - JPEG 2000 image coding system: Core coding system, \$265.00

ISO/IEC 18477-8:2016, Information technology - Scalable compression and coding of continuous-tone still images - Part 8: Lossless and near-lossless coding, \$240.00

ISO/IEC 18477-9:2016, Information technology - Scalable compression and coding of continuous-tone still images - Part 9: Alpha channel coding, \$149.00

ISO/IEC 23009-1/Amd3:2016, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats - Amendment 3: Authentication, MPD linking, Callback Event, Period Continuity and other Extensions, \$173.00

ISO/IEC 29110-3-3:2016, Systems and software engineering - Lifecycle profiles for Very Small Enterprises (VSEs) - Part 3-3: Certification requirements for conformity assessments of VSE profiles using process assessment and maturity models, \$123.00

TSP Meeting Schedule

The January 2017 LDI meetings will take place at the Marriott Solana in Westlake, TX. The full meeting schedule is still being developed; shown below is the schedule as of 26 October 2017. The most up to date schedule can be found on the ESTA website at <http://tsp.esta.org/tsp/meetings/index.php>. The page also has a "Reserve a Hotel Room" link.

Control Protocols Plugfest	16:00 – 23:00	Friday 20 January 2017
	09:00 – 23:00	Saturday 21 January 2017
	09:00 – 23:00	Sunday 22 January 2017
	09:00 - noon	Monday 23 January 2017
Electrical Power Working Group (EPWG)	09:00 – 13:00	Friday 20 January 2017
Rigging Working Group (RWG)	14:00 – 18:00	Friday 20 January 2017
Technical Standards Council	09:00 – 13:00	Sunday 22 January 2017

ESTA Standards Watch

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As of 15 April 2013, all of the standards published by ESTA's Technical Standards Program are available to download, free of charge, at <http://www.tsp.esta.org/freestandards>, courtesy of a partnership between ESTA and [ProSight Specialty Insurance](#).

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