



# ESTA Standards Watch

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## Public Comment Sought on Reaffirmation of Five ESTA Standards

Five Technical Standards Program standards are newly posted for public comment. These documents are all up for reaffirmation, meaning they have been published for as long as five years and the consensus body is considering republishing them with no substantive changes. Comments on the draft standards will be accepted through the end of the day on 3 April 2017. Download the documents, review instructions, and review forms at [http://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](http://tsp.esta.org/tsp/documents/public_review_docs.php).

**BSR E1.1 - 2012 (R201x), Entertainment Technology—Construction and Use of Wire Rope Ladders**

The Rigging Working Group is considering E1.1 - 2012 for reaffirmation. The standard describes the construction and use of wire rope ladders in the entertainment industry in order to promote worker safety. Wire rope ladders are used where ladders with rigid rails are impractical to use or would pose a greater danger.

**BSR E1.8 - 2012 (R201x), Entertainment Technology—Loudspeaker Enclosures Intended for Overhead Suspension--Classification, Manufacture and Structural Testing**

The Rigging Working Group is considering E1.8 - 2012 for reaffirmation. It is a standard for the structural integrity of loudspeaker enclosures that are suspended overhead. It is designed to ensure that flown speaker enclosures don't break and drop debris. It does not address requirements for sound reproduction.

**BSR E1.16 - 2002 (R201x), Entertainment Technology—Configuration Standard for Metal-Halide Ballast Power Cables**

The Electrical Power Working Group is considering ANSI E1.16 - 2002 (R2012) for reaffirmation. This standard describes a standard practice for grounding contact assignment for detachable power cables on 6kW, 12kW and 18kW metal-halide lamp ballasts used in the motion picture and television industries on portable studio luminaires that use the MIL-C-5015 connector with #28-6 insert configuration on the ballast end of the power cable.

**BSR E1.32 - 2012 (R201x), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires**

The Electrical Power Working Group is considering ANSI E1.32 – 2012 for reaffirmation. E1.32 provides guidance in the inspection of stage and studio luminaires that use incandescent sources and that are used in the entertainment industry. The inspection is to evaluate their safety and any needed maintenance. The information contained in this document is intended to supplement the information contained in manufacturers' maintenance instructions.

**BSR E1.37-1 - 2012 (R201x), Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets**

The Control Protocols Working Group is considering E1.37-1 - 2012, Additional Message Sets for ANSI E1.20 (RDM) – Part 1, for reaffirmation. It provides additional RDM get/set parameter messages (PIDs). Most of the messages in this document are intended for use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

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**ANSI E1.24 and E1.26 Now Published**

On Thursday, 23 February 2017, ANSI's Board of Standards Review approved the reaffirmation of **ANSI E1.24** and **ANSI E1.26**. They are now available for free download from the ESTA website at <http://tsp.esta.org/freestandards>, thanks to the sponsorship of Prosight Specialty Insurance. They also have been forwarded to ANSI and IHS for sale on their on-line stores for \$40 each. ANSI's Webstore is at <http://webstore.ansi.org/> and IHS's store is at <https://global.ihs.com/>. They should be posted on those sites soon, but they are available on the ESTA TSP site now.

**ANSI E1.24 - 2012 (R2017), Entertainment Technology - Dimensional Requirements for Stage Pin Connectors**

, is a configuration standard giving the mating requirements for male and female pin connectors, contact set-backs from the front face, and marking requirements. The electrical reliability and flammability requirements for pin connectors are outside the scope of this standard and would be covered by other standards, such as UL 498, Attachment Plugs and Receptacles. The download version is the standard bundled with the CAD files that were used to create the illustrations in the standard. The standard is the standard; the CAD files are simply included as a convenience for those creating connector shop drawings and are not the standard.

**ANSI E1.26 – 2006 (R2017), Entertainment Technology - Recommended Testing Methods and Values for Shock Absorption of Floors Used in Live Performance Venues**, describes a method for measuring how stiff

a performance floor is. It also suggests some ranges that have been found to be acceptable--neither too stiff nor too springy.

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## **NEW ESTA Project: Revision of ANSI E1.46 - 2016**

The Floors Working Group has voted to start the process of revising ANSI E1.46 – 2016, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms. Anyone with a material interest in the project is invited to participate, either by joining the working group as a voting member or by commenting in future public reviews. The working group is particularly interested in members who would be considered custom-market producers in the field or dealer/rental companies. The field is performance floors and stage platforms.

The revision has been triggered by OSHA's publication of a revised 29 CFR 1910 Subpart D, Walking-Working Surfaces, in November 2016, nine months after E1.46 was published. The E1.46 standard includes that section of the Code of Federal Regulations in an informative annex, noting that the text quoted is as it read at the time of E1.46's publication. Thus, the text is not wrong (it is what it said), and it is not clear that the new OSHA regulations are substantively different than the old ones, but what is published is not what the regulations are now. The regulations were included in the standard because it is much more helpful, when arguing about fall protection plans, to be able to say, "Here it all is, in this standard, and the OSHA regs are included," rather than saying, "Here's the standard, and you can look up the OSHA regs on the Web."

The history of this change to the OSHA regulations is long. A Notice of Proposed Rulemaking was published in early 2010, two years before the E1.46 project was started. Then there was little news until six years later. Further changes to the OSHA regulations now are unlikely for many years. On January 29, President Trump signed an executive order that would require agencies to revoke two regulations for every new rule they want to issue. Revoking regulations follows the same slow process as instituting new regulations. Enacting regulations now will require three times the work that was necessary a year ago. This revision to bring E1.46 in line with 29 CFR 1910 Subpart D probably will be the only one needed for many years.

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## **IEC Launches IEC Basecamp, an Online Resource Library**

The International Electrotechnical Commission (IEC), the international standards and conformity assessment body for all fields of electrotechnology, has launched an online central library that features key IEC resources, including tools, presentations, videos, and media releases.

The IEC Basecamp database and downloadable relevant files are available at <http://basecamp.iec.ch/>. Additionally, IEC offers its latest e-tech edition, Consumer electronics & multimedia, and a new brochure outlining IEC work for medical devices. The site also features IEC work including a detailed overview of how it contributes to the Internet of Things (IoT), and a detailed overview of IEC work for rural electrification and universal energy access, including lists of relevant IEC Standards, and IEC and Sustainable Development Goals, and a new IECE brochure highlighting battery chargers and charging stations.

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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 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/748/USA**

**Date issued:** 8 March 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Safety Standard for Magnet Sets; Removal of Final Rule Vacated by Court

**AGENCY:** Consumer Product Safety Commission

**ACTION:** Final rule

**SUMMARY:** This final rule removes from the Code of Federal Regulations the final rule published on 3 October 2014, titled "Safety Standard for Magnet Sets." This action responds to a decision of the U.S. Court of Appeals for the Tenth Circuit that vacated the rule. (The "Safety Standard for Magnet Sets" banned small, powerful, magnets, such as those sold as adult amusements or executive toys. Zen Magnets, LLC filed the petition to set aside that rule.)

**DATES:** The action is effective on 7 March 2017. However, the court order had legal effect immediately upon its filing on 22 November 2016.

**Full text:** [https://members.wto.org/crnattachments/2017/TBT/USA/17\\_1203\\_00\\_e.pdf](https://members.wto.org/crnattachments/2017/TBT/USA/17_1203_00_e.pdf)

#### **United States of America Notification USA/1232/Add.1**

**Date issued:** 20 February 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Minimum Energy Efficiency Standards

AGENCY: Oregon Department of Energy, State of Oregon

ACTION: Postpones operative date of minimum energy efficiency standards for embedded small battery chargers.

SUMMARY: The primary purpose of these proposed rule amendments is to postpone for one year the operative date of minimum energy efficiency standards for certain small battery charger systems not sold at retail. The charger systems affected by the postponement are contained completely within a larger product, and provide power for data storage or for continuity within volatile cache or memory systems as well maintaining information for system use, but are not capable of powering full operation of the product when AC mains power is not present. The proposed rule amendments also update the operative dates for other types of battery charger systems to match the effective dates in statute.

**Full text:** Vol. 56, No. 2, Oregon Bulletin, 1 February 2017 (page 69), available at <http://sos.oregon.gov/archives/Documents/oar/2017-february-bulletin.pdf> and [https://members.wto.org/crnattachments/2017/TBT/USA/17\\_0969\\_00\\_e.pdf](https://members.wto.org/crnattachments/2017/TBT/USA/17_0969_00_e.pdf)

#### **European Union Notification EU/399/EU**

**Date issued:** 6 March 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** The European Union would like to inform the WTO Members that the draft Commission Regulation amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 ("Ecotoxic") has been amended.

The amendments concern the following points:

A formal aspect was modified. The draft Commission Regulation notified in August 2016 has been converted to a proposal for a Council Regulation amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 ("Ecotoxic") (see new Recital 9). Recitals 6 and 7 have been clarified as regards the application of cut-off values, tests, and links with Regulation (EC) No 1272/2008. The reference to the obsolete criteria laid down in Annex VI to Council Directive 67/548/EEC was deleted (see new Article 1(2)).

The entry into force is postponed to allow companies and competent authorities sufficient time to adapt to the new requirements (see new Recital 8 and Article 2).

**Full text:** The text of the proposed Council Regulation is available on the EU-TBT website:

<http://ec.europa.eu/growth/tools-databases/tbt/> and also

[https://members.wto.org/crnattachments/2017/TBT/EEC/17\\_1179\\_00\\_e.pdf](https://members.wto.org/crnattachments/2017/TBT/EEC/17_1179_00_e.pdf), and

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/corrigenda/pdf/EU399\\_add\\_1\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/corrigenda/pdf/EU399_add_1(english).pdf) (The text contains a definition of "ecotoxic.")

#### **Georgia Notification GEO/99**

**Date issued:** 6 March 2017

**Agency responsible:** Ministry of Economy and Sustainable Development of Georgia

**National inquiry point:** Georgian National Agency for Standards, Technical Regulations and Metrology (GEOSTM)

**Products covered:** Misleading products, which endanger the health or safety of consumers

**Title:** Technical Regulation on "Misleading products, which endanger the health or safety of consumers" approved by Decree Government of Georgia 30 December 2016 No. 634 (1 page, in Georgian)

**Description of content:** Document applies to products which, although not foodstuffs, possess a form, odour, colour, appearance, packaging, labelling, volume or size, such that it is likely that consumers, especially children, will confuse them with foodstuffs and in consequence place them in their mouths, or suck or ingest them, which might be dangerous and cause, for example, suffocation, poisoning, or the perforation or obstruction of the digestive tract.

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

**Relevant documents:** Association Agreement between the European Union and the European Atomic Energy Community and their Member States, of the one part, and Georgia, of the other part (annex XXIX); Georgian Law "on the Structure, Authority and Rules of Operation of the Government of Georgia"; Georgian law "Code of Product Safety and Free Movement of Goods".

**Proposed date of adoption:** 30 December 2016

**Proposed date of entry into force:** 1 January 2018

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

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/GEO/full\\_text/pdf/GEO99\(georgian\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/GEO/full_text/pdf/GEO99(georgian).pdf)

#### United States of America Notification USA/1277

**Date issued:** 28 February 2017

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

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

**Products covered:** Chemical substances

**Title:** Procedures for Prioritization of Chemicals for Risk Evaluation Under the Toxic Substances Control Act (13 pages, in English)

**Description of content:** As required under section 6(b)(1) of the Toxic Substances Control Act (TSCA), EPA is proposing to establish a risk-based screening process and criteria that EPA will use to identify chemical substances as either High-Priority Substances for risk evaluation, or Low-Priority Substances for which risk evaluations are not warranted at the time. The proposed rule describes the processes for identifying potential candidates for prioritization, selecting a candidate, screening that candidate against certain criteria, formally initiating the prioritization process, providing opportunities for public comment, and proposing and finalizing designations of priority. Prioritization is the initial step in a new process of existing chemical substance review and risk management activity established under recent amendments to TSCA.

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

**Relevant documents:** 82 Federal Register (FR) 4825, 17 January 2017; Title 40 Code of Federal Regulations (CFR) Part 702. Will appear in the Federal Register when adopted.

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

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

**Final date for comments:** 20 March 2017

**Full text:** [http://members.wto.org/crnattachments/2017/TBT/USA/17\\_1102\\_00\\_e.pdf](http://members.wto.org/crnattachments/2017/TBT/USA/17_1102_00_e.pdf)

#### United States of America Notification USA/1276

**Date issued:** 28 February 2017

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

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

**Products covered:** Chemical substances

**Title:** Procedures for Chemical Risk Evaluation Under the Amended Toxic Substances Control Act (19 pages, in English)

**Description of content:** As required under section 6(b)(4) of the Toxic Substances Control Act (TSCA), EPA is proposing to establish a process for conducting risk evaluations to determine whether a chemical substance presents an unreasonable risk of injury to health or the environment, without consideration of costs or other non-risk factors, including an unreasonable risk to a potentially exposed or susceptible subpopulation, under the conditions of use. Risk evaluation is the second step, after Prioritization, in a new process of existing chemical substance review and management established under recent amendments to TSCA. This proposed rule identifies the steps of a risk evaluation process including scope, hazard assessment, exposure assessment, risk characterization, and finally a risk determination. EPA is proposing that this process be used for the first ten chemical substances to be evaluated from the 2014 update of the TSCA Work Plan for Chemical Assessments, chemical substances designated as High- Priority Substances



during the prioritization process, and those chemical substances for which EPA has initiated a risk evaluation in response to manufacturer requests. The proposed rule also includes the required "form and criteria" applicable to such manufacturer requests.

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

**Relevant documents:** 82 Federal Register (FR) 7562, 19 January 2017; Title 40 Code of Federal Regulations (CFR) Part 702. Will appear in the Federal Register when adopted.

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

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

**Final date for comments:** 20 March 2017

**Full text URL:** [http://members.wto.org/crnattachments/2017/TBT/USA/17\\_1101\\_00\\_e.pdf](http://members.wto.org/crnattachments/2017/TBT/USA/17_1101_00_e.pdf)

#### **United States of America Notification USA/1270/Add.1**

**Date issued:** 20 February 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Trichloroethylene (TCE); Regulation of Certain Uses Under Toxic Substances Control Act; Extension of Comment Periods

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

**ACTION:** Proposed rule; extension of comment periods

**SUMMARY:** EPA issued two proposed rules under section 6 of the Toxic Substances Control Act (TSCA) to prohibit the manufacture (including importers), processing, and distribution in commerce of trichloroethylene (TCE) for use in aerosol degreasing, for use in spot cleaning in dry cleaning facilities, and for use in vapor degreasing; to prohibit commercial use of TCE for aerosol degreasing, for spot cleaning in dry cleaning facilities, and for use in vapor degreasing; to require manufacturers (including importers), processors, and distributors, except for retailers of TCE for any use, to provide downstream notification of these prohibitions throughout the supply chain; and to require limited recordkeeping. This document extends the comment periods for both proposed rules by an additional 30 calendar days each. A commenter requested additional time to submit written comments for the proposed rules. EPA is therefore extending the comment period in order to give all interested persons the opportunity to comment fully.

**DATES:** The comment period of the proposed rule published in the Federal Register of 16 December 2016 (81 FR 91592) is extended to 16 March 2017, and the comment date of the proposed rule published in the Federal Register of 19 January 2017 (82 FR 7432) is delayed to 19 April 2017.

**Full text:** [https://members.wto.org/crnattachments/2017/TBT/USA/17\\_0972\\_00\\_e.pdf](https://members.wto.org/crnattachments/2017/TBT/USA/17_0972_00_e.pdf)

#### **United States of America Notification USA/1247/Add.1**

**Date issued:** 20 February /2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Trichloroethylene (TCE); Regulation of Certain Uses Under Toxic Substances Control Act; Extension of Comment Periods

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

**ACTION:** Proposed rule; extension of comment periods

**SUMMARY:** EPA issued two proposed rules under section 6 of the Toxic Substances Control Act (TSCA) to prohibit the manufacture (including importers), processing, and distribution in commerce of trichloroethylene (TCE) for use in aerosol degreasing, for use in spot cleaning in dry cleaning facilities, and for use in vapor degreasing; to prohibit commercial use of TCE for aerosol degreasing, for spot cleaning in dry cleaning facilities, and for use in vapor degreasing; to require manufacturers (including importers), processors, and distributors, except for retailers of TCE for any use, to provide downstream notification of these prohibitions throughout the supply chain; and to require limited recordkeeping. This document extends the comment periods for both proposed rules by an additional 30 calendar days each. A commenter requested additional time to submit written comments for the proposed rules. EPA is therefore extending the comment period in order to give all interested persons the opportunity to comment fully.

**DATES:** The comment period of the proposed rule published in the Federal Register of 16 December 2016 (81 FR 91592) is extended to 16 March 2017, and the comment date of the proposed rule published in the Federal Register of 19 January 2017 (82 FR 7432) is delayed to 19 April 2017.

**Full text:** [https://members.wto.org/crnattachments/2017/TBT/USA/17\\_0971\\_00\\_e.pdf](https://members.wto.org/crnattachments/2017/TBT/USA/17_0971_00_e.pdf)

## **Mongolia Notification MNG/7**

**Date issued:** 20 February 2017

**Agency responsible:** Mongolian Agency for Standardization and Metrology (MASM)

**National inquiry point:** Mongolian Agency for Standardization and Metrology (MASM)

**Products covered:** All products

**Title:** Draft of the Law on Standardization, Technical Regulation and Accreditation (15 pages, in Mongolian)

**Description of content:** Please look at the attached "Concept of the revised version of the Law on Standardization, Technical Regulation and Accreditation"

**Objective and rationale:** 1. The existing Mongolian Law on Standardization and Conformity Assessment of 2003 states in the article 6.2 that mandatory standards shall be used for human, animal, plant health and safety reasons. To be consistent with WTO TBT Agreement, this should be changed.

2. The draft lays down responsibilities of Government, NNA and NEP TBT for adoption of technical regulations.

3. Existing structure of Accreditation body is attached to the Central standardization body which is also dealing with certification activity. The draft states legal environment for separate Accreditation body to be in line with requirements of ILAC and IAF.

Protection of animal or plant life or health; Protection of human health or safety

**Relevant documents:** 1. Draft Law on Standardization, Technical Regulation and Accreditation (in Mongolian); 2. Concept of the revised version of the Law on Standardization, Technical Regulation and Accreditation (in English)

**Proposed date of adoption:** 1 May 2017

**Proposed date of entry into force:** 1 June 2017

**Final date for comments:** 21 April 2017

**Full text** (in tiny print): [https://tsapps.nist.gov/notifyus/docs/wto\\_country/MNG/full\\_text/pdf/MNG7\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/MNG/full_text/pdf/MNG7(english).pdf)

## **United States of America Notification USA/1107/USA**

**Date issued:** 6 March 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Virginia Uniform Statewide Building Code

**AGENCY:** Department of Housing and Community Development, State of Virginia

**ACTION:** Notice of public hearing and reopening of comment period

Public Hearing Information: 15 May 2017 - 10 a.m. - Virginia Housing Development Authority Virginia Housing Center, 4224 Cox Road, Glen Allen, VA 23060

**SUMMARY:** The Virginia Uniform Statewide Building Code (USBC) governs the construction, maintenance, and rehabilitation of new and existing building and structures. The USBC uses nationally recognized model building codes and standards produced by the International Code Council and other standard-writing groups as the basis for the technical provisions of the regulation. Every three years, new editions of the model codes become available. At that time, the Board of Housing and Community Development initiates a regulatory action to incorporate the newest editions of the model codes into the regulation and accepts proposals for changes to the regulation from affected client groups and the public. The Department of Housing and Community Development staff maintains mailing lists for workgroups involving different subject areas of regulation and conducts workgroup meetings to develop consensus recommendations, when possible, concerning submitted proposals. The department uses an online program incorporating the provisions of the regulation and the model codes and standards to facilitate the submittal of proposals. A public hearing is held during the workgroup meeting stage of the process and a comment period established. Once workgroup meetings are completed, the board holds a series of meetings to consider each proposal, and the approved proposals are incorporated into the proposed regulation. After publication of the proposed regulation, the board establishes a comment period for the acceptance of comments on amendments reflected in the proposed regulation, and an additional public hearing is held. The board then meets to consider proposals and public comments and develops a final regulation to complete the regulatory process.

**Public Comment Deadline:** 21 April 2017

**Full text:** Vol. 33, Issue 13, Virginia Register 20 February 2017 (pages 1518-1663), available at

<http://register.dls.virginia.gov/vol33/iss13/v33i13.pdf> and <http://register.dls.virginia.gov/details.aspx?id=6239>

## **United States of America Notification USA/1109/USA**

**Date issued:** 3 March 2017

**Corrigendum type:** Addendum

**Correction type:** Correction with full text

**Corrigendum:** TITLE: Virginia Statewide Fire Prevention Code

**AGENCY:** Department of Housing and Community Development, State of Virginia

**ACTION:** Notice of public hearing and reopening of comment period

Public Hearing Information: 15 May 2017 - 10 a.m. - Virginia Housing Development Authority Virginia Housing Center, 4224 Cox Road, Glen Allen, VA 23060

**SUMMARY:** The Statewide Fire Prevention Code (SFPC) is a regulation governing the maintenance of the fire protection aspects of existing structures and operational functions relating to fire safety wherever located, including the regulation of the use of explosives and blasting and fireworks displays. The SFPC uses a nationally recognized model code produced by the International Code Council as the basis for the technical provisions of the regulation. Every three years, a new edition of the model code becomes available. At that time, the Board of Housing and Community Development initiates a regulatory action to incorporate the newest edition of the model code into the regulation as well as accepting proposals for changes to the regulation from affected client groups and the public. The Department of Housing and Community Development staff maintains mailing lists for workgroups involving different subject areas of regulation and conducts workgroup meetings to develop consensus recommendations, when possible, concerning submitted proposals. The department uses an online program incorporating the provisions of the regulation and the model code to facilitate the submittal of proposals. A public hearing is held during the workgroup meeting stage of the process and a comment period established. Once workgroup meetings are completed, the board holds a series of meetings to consider each proposal, and the approved proposals are incorporated into the proposed regulation. After publication of the proposed regulation, the board establishes a comment period for the acceptance of comments on amendments reflected in the proposed regulation, and an additional public hearing is held. The board then meets to consider proposals and public comments and develops a final regulation to complete the regulatory process. (The proposed revised Virginia Statewide Fire Prevention Code would incorporate by reference the 2015 edition of the International Fire Code, which references ESTA/ANSI E1.21 for temporary outdoor structures.)

**Public Comment Deadline:** 21 April 2017

**Full text:** Vol. 33, Issue 13, Virginia Register 20 February 2017 (pages 1471-1518), available at <http://register.dls.virginia.gov/vol33/iss13/v33i13.pdf> and <http://register.dls.virginia.gov/details.aspx?id=6238>

## Switzerland Notification CHE/216

**Date issued:** 9 March 2017

**Agency responsible:** Federal Office for Communications

**National inquiry point:** Swiss Association for Standardization (SNV)

**Products covered:** Telecommunication equipment, radio equipment and telecommunication terminal equipment

**Title:** Draft revision of the Ordinance of the Swiss Federal Office of Communications on telecommunications installations (OOIT) (4 pages in French) (to be amended) and Radio Interface Regulation (RIR) RIR0504-01, RIR0507-03, RIR0507-13, RIR0507-35, RIR0702-01, RIR0702-02, RIR0806-01, RIR1006-08, RIR1009-09, RIR1012-03, RIR1101-02 (to be amended)

**Description of content:** The Ordinance of the Swiss Federal Office of Communications on telecommunications installations (OOIT) specifies the basic technical requirements with regard to telecommunications installations set out by the Swiss Federal Council. It regulates the use of radio interfaces in Switzerland. The new article 2a and annex 6 specify how manufacturers have to inform the user on potential restrictions for the use of radio equipment. First of all on the packaging of the radio equipment (either with text in a language understandable by the buyer/user or by using a specific pictogram). Secondly, detailed information on the restriction shall be in the user manual. These provisions are based on the according delegated act from the EU Commission.

For the emergency channel (E-Channel) the allowed transmit power has been raised and digital modulations and data are now allowed (RIR0504-01). For PMR applications the lower band edge has been moved from 406.0 down to 405.9 MHz (RIR0507-03 and RIR0507-03). For the use of the PMR446 band with regular PMR equipment the maximal output power has been defined at the antenna connector (RIR0507-35). For meteorological sondes the upper band edge has been moved from 406.0 down to 405.9 MHz (RIR0702-01 and RIR0702-02). For satellite News Gathering (SNG) Transportable Earth Stations (TES) in the Fixed Satellite Service (FSS) in the frequency range of 12.75 - 14.5 GHz the sub bands and license conditions have



been changed (RIR0806-01). For Ultra Low Power Active Medical Implant communication systems (ULP-AMI) the upper band edge has been moved from 406.0 down to 405.9 MHz (RIR1006-08). For not body worn radio microphones between 1785 - 1804.8 MHz using more than 20mW up to 50mW EIRP a spectrum scanning procedure (SSP) is necessary (RIR1009-09). For vehicle and infrastructure radar between 76-77 GHz the application range has been extended to airport surveillance (RIR1012-03). For radio amateurs a new sub band has been added between 5351.5 - 5366.5 kHz (RIR1101-02).

**Objective and rationale:** The OOIIT has to be updated to specify information requirements that have to accompany radio equipment and to follow the latest frequency management in Europe.

**Relevant documents:** . Draft revision of the Ordinance of the Swiss Federal Office of Communications on telecommunications installations (OOIT) (4 pages in French) (to be amended). Ordinance of 26 May 2016 of the Swiss Federal Office of Communications on telecommunications installations (OOIT; RS 784.101.21), available in:

French: <https://www.admin.ch/opc/fr/classified-compilation/20160601/index.html>

German: <https://www.admin.ch/opc/de/classified-compilation/20160601/index.html>

Italian: <https://www.admin.ch/opc/it/classified-compilation/20160601/index.html>

RIR0504-01: <https://www.ofcomnet.ch/api/RIR/9999/452>

RIR0507-03: <https://www.ofcomnet.ch/api/RIR/9999/459>

RIR0507-13: <https://www.ofcomnet.ch/api/RIR/9999/460>

RIR0507-35: <https://www.ofcomnet.ch/api/RIR/9999/456>

RIR0702-01: <https://www.ofcomnet.ch/api/RIR/9999/461>

RIR0702-02: <https://www.ofcomnet.ch/api/RIR/9999/462>

RIR0806-01: <https://www.ofcomnet.ch/api/RIR/9999/457>

RIR1006-08: <https://www.ofcomnet.ch/api/RIR/9999/463>

RIR1009-09: <https://www.ofcomnet.ch/api/RIR/9999/455>

RIR1012-03: <https://www.ofcomnet.ch/api/RIR/9999/458>

RIR1101-02: <https://www.ofcomnet.ch/api/RIR/9999/454>

**Proposed date of adoption:** 1 June 2017

**Proposed date of entry into force:** 1 June 2017

**Final date for comments:** 20 May 2017

## Canada Notification CAN/519

**Date issued:** 8 March 2017

**Agency responsible:** Department of Innovation, Sciences and Economic Development

**National inquiry point:** Foreign Affairs, Trade and Development Canada

**Products covered:** Radiocommunications

**Title:** Notice No. SMSE-004-17 - Release of RSS-247 (1 page, available in English and French).

**Description of content:** Notice is hereby given by the Ministry of Innovation, Science and Economic Development that the following document has been published on its Web site:

. Radio Standards Specifications RSS-247, Issue 2, Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices which sets out certification requirements for radio apparatus operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz employing frequency hopping, digital modulation and/or a combination (hybrid) of both techniques. It also includes licence-exempt local area network (LE-LAN) devices operating in the bands 5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz and 5725-5850 MHz.

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

**Relevant documents:** Canada Gazette, Part I, 4 March 2017, (available in English and French)

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

**Proposed date of entry into force:** 23 February 2017

**Final date for comments:** 23 May 2017

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CAN/full\\_text/pdf/CAN519\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN519[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CAN/full\\_text/pdf/CAN519\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN519[2](english).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](mailto:psa@ansi.org).

**Due 17 April 2017**

### **BSR/ASSE Z15.1-201X, Safe Practices for Motor Vehicle Operations** (revision of ANSI/ASSE Z15.1-2012)

This standard sets forth practices for the safe management and operation of motor vehicles owned or operated by organizations. These practices are designed for use by those having the responsibility for the administration and operation of motor vehicles for organizational business.

Single copy price: \$77.00

Order from and send comments to: Lauren Bauerschmidt, [lbauerschmidt@asse.org](mailto:lbauerschmidt@asse.org)

### **BSR/BOMA Z65.1-201x, Office Buildings: Standard Methods of Measurement** (revision of ANSI/BOMA Z65.1-2010)

Since 1915, BOMA International has published the office floor measurement standard. The standard has evolved over time and is known as the preeminent standard for calculating areas in Office Buildings. The application of the standard produces areas vital to lease transactions and building valuation in a consistent manner, regardless of geographic location, building architecture, or the practitioner who applies it. The BOMA 2017 Office Standard features two distinct methods of measurement called Method A - Multiple Load Factor Method and Method B - Single Load Factor Method.

Single copy price: Free

Order from and send comments to: Tanner Johnston, [tjohnston@boma.org](mailto:tjohnston@boma.org)

### **BSR C78.377-201X, Electric Lamps: Specifications for the Chromaticity of Solid-State Lighting Products** (revision of ANSI C78.377-2015)

The purpose of this standard is to specify the range of chromaticities recommended for general lighting with solid state lighting (SSL) products, as well as to ensure that the white light chromaticities of the products can be communicated to consumers. This standard applies to LED lamps, LED light engines and LED luminaires for general indoor lighting applications. This document does not apply to lighting fixtures sold without a light source. This standard does not apply to SSL products for outdoor applications. This standard also does not apply to SSL products for some indoor applications that intentionally produce tinted or colored light. This document does not include OLED products.

Single copy price: \$115.00

Order from and send comments to: Michael Erbesfeld, [Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)

**Due 24 April 2017**

### **BSR/EIA 972-201x, Specification for M12 Power Circular Connector** (new standard)

This specification contains the connector types specified for M12 power circular connectors, typically used for automation applications and data/communications in industrial premises.

Single copy price: \$88.00

Order from: Global Engineering Documents, <http://www.global.ihs.com>

Send comments to: [emikoski@ecianow.org](mailto:emikoski@ecianow.org)

### **BSR/IAPMO USPSHTC 1-201x, Uniform Swimming Pool, Spa & Hot Tub Code** (revision of ANSI/IAPMO USPSHTC 1-2015)

The provisions of this code shall apply to the erection, installation, alteration, addition, repair, relocation, replacement, addition to, use, or maintenance of swimming pool, spa, or hot tub systems.

Single copy price: \$10.00

Order from and send comments to: Lynne Simnick, [lynne.simnick@iapmo.org](mailto:lynne.simnick@iapmo.org)

### **BSR B77.1-201x, Passenger Ropeways - Aerial Tramways, Aerial Lifts, Surface Lifts, Tow and Conveyors - Safety Standard** (revision of ANSI B77.1 -2011, ANSI B77.1a-2012)

This document establishes a standard for the design, manufacture, construction, operation, and maintenance of passenger ropeways. For this standard, passenger ropeway categories include:

- aerial tramways (single and double reversible);
- aerial lifts (detachable lifts, chair lifts, and similar equipment);

- surface lifts (T-bar lifts, J-bar lifts, platter lifts, and similar equipment);
- tows (wire rope and fiber rope tows); and
- conveyors.

Single copy price: \$30.00

Order from and send comments to: Sid Roslund, [sidr@nsaa.org](mailto:sidr@nsaa.org)

**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 568C.21 and ANSI/TIA 568.3D.

Single copy price: \$76.00

Order from and send comments to: TIA; [standards@tiaonline.org](mailto: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 568C.21 and ANSI/TIA 568.3D.

Single copy price: \$60.00

Order from and send comments to: TIA; [standards@tiaonline.org](mailto:standards@tiaonline.org)

**BSR/UL 61800-5-2-2012 (R201x), Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-2: Safety Requirements – Functional** (reaffirmation of ANSI/UL 61800-5-2-2012)

Reaffirmation of ANSI approval for UL 61800-5-2.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000, <http://www.comm-2000.com>

Send comments to: Casey Granata, [Casey.Granata@UL.Com](mailto:Casey.Granata@UL.Com)

**BSR/UL 10D-201x, Standard for Safety for Fire Tests of Fire Protective Curtain Assemblies** (revision of ANSI/UL 10D-2014)

The following change in requirements to the Standard for Fire Tests of Fire Protective Curtain Assemblies is being proposed: (1) Merging horizontal and vertical requirements.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000, <http://www.comm-2000.com>

Send comments to: Mary Huras, [Mary.Huras@ul.com](mailto:Mary.Huras@ul.com)

**BSR/UL 2251-201X, Standard for Safety for Plugs, Receptacles, and Couplers for** (revision of ANSI/UL 2251-2013)

(1) Product designations; (2) Scope and products not covered by UL 2251; (3) Definition for grounding/bonding conductor; (4) Ratings and required designation of ratings; (5) Fused devices requirement; (6) Cable requirements for the Impact Test; (7) Requirements for RTI; (8) Metallic enclosure; (9) Pollution degree; (10) Temperature Rise Test; (11) Device configurations in relation to pin lengths and speed of disconnection; (12) Overload test conditions for connectors not intended for current interruption. (13) Environmental rating of internal parts; and (14) National differences for Canada.

Single copy price: Contact comm2000 for pricing and delivery options

Order from: comm2000, <http://www.comm-2000.com>

Send comments to: Patricia Sena, [patricia.a.sena@ul.com](mailto:patricia.a.sena@ul.com)

**Due 2 May 2017**

**INCITS/ISO/IEC 27010:2015, Information technology - Security techniques -Information security management for inter-sector and inter-organizational communications** (identical national adoption of ISO/IEC 27010:2015 and revision of INCITS/ISO/IEC 27010:2012 [2014])

Provides guidelines in addition to the guidance given in the ISO/IEC 27000 family of standards for implementing information security management within information sharing communities. Provides controls and guidancespecifically relating to initiating, implementing, maintaining, and improving information security in inter-organizational and inter-sector communications. It provides guidelines and general principles on how the specified requirements can be met using established messaging and other technical methods.

Single copy price: \$173.00

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

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

**INCITS/ISO/IEC 27039:2015, Information technology - Security techniques -Selection, deployment and operations of intrusion detection and prevention systems (IDPS)** (identical national adoption of ISO/IEC 27039:2015)

Provides guidelines to assist organizations in preparing to deploy intrusion detection and prevention systems (IDPS). In particular, it addresses the selection, deployment, and operations of IDPS. It also provides background information from which these guidelines are derived.

Single copy price: \$200.00

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

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

**INCITS/ISO/IEC 27040:2015, Information technology - Security techniques -Storage security** (identical national adoption of ISO/IEC 27040:2015)

Provides detailed technical guidance on how organizations can define an appropriate level of risk mitigation by employing a well-proven and consistent approach to the planning, design, documentation, and implementation of data storage security. Storage security applies to the protection (security) of information where it is stored and to the security of the information being transferred across the communication links associated with storage.

Storage security includes the security of devices and media, the security of management activities related to the devices and media, the security of applications and services, and security relevant to end-users during the lifetime of devices and media and after end of use.

Single copy price: \$265.00

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

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

**INCITS/ISO/IEC 27041:2015, Information technology - Security techniques -Guidance on assuring suitability and adequacy of incident investigative method** (identical national adoption of ISO/IEC 27041:2015)

Provides guidance on mechanisms for ensuring that methods and processes used in the investigation of information security incidents are "fit for purpose". It encapsulates best practice on defining requirements, describing methods, and providing evidence that implementations of methods can be shown to satisfy requirements. It includes consideration of how vendor and third-party testing can be used to assist this assurance process.

Single copy price: \$123.00

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

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

**INCITS/ISO/IEC 27043:2015, Information technology - Security techniques -Incident investigation principles and processes** (identical national adoption of ISO/IEC 27043:2015)

Provides guidelines based on idealized models for common incident investigation processes across various incident investigation scenarios involving digital evidence. This includes processes from pre-incident preparation through investigation closure, as well as any general advice and caveats on such processes. The guidelines describe processes and principles applicable to various kinds of investigations, including, but not limited to, unauthorized access, data corruption, system crashes, or corporate breaches of information security, as well as any other digital investigation.

Single copy price: \$173.00

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

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

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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 the public reviews please visit: <http://publicreview.csa.ca/>.

## Due 17 March 2017

### **Z412, Office Ergonomics – An application standard for workplace ergonomics** (new edition)

This standard specifies requirements for the Application of Ergonomics in offices. It applies to all office work systems, including traditional office workspaces in new and existing buildings and non-traditional workspaces i.e. mobile and home. Whenever an office is referred to in this document, it refers to one or more of these settings. (There is considerable advice in the draft about touchscreens, visual displays, input devices and locations, and other elements that are applicable to entertainment control systems and to design workstations.)

## Due 1 April 2017

### **C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4203, Receptacles in meeting rooms.** (amendment)

The proposal adds a section requiring a certain number of power receptacles in meeting rooms of 93 m<sup>2</sup> or smaller. It specifies receptacle spacing so that “no point in a meeting room shall be more than 3.7 m from a receptacle . . . .” The justification for the new section notes that meetings often have many electronic devices that require power, and a paucity of power receptacles often results in a portable cord, plugged into a wall receptacle outlet and taped to the carpet, and then connected to several portable multi-outlet power taps “daisy chained” together in violation of the product standards for flexible cords and relocatable power taps. The justification also notes that a similar proposal was adopted in the 2017 edition of NFPA 70, the National Electrical Code.

## Due 3 April 2017

### **Supplement to CSA Z412 - Annex B (Normative) – Acoustics, Office Ergonomics: An Application Standard for workplace ergonomics**

This is a mandatory annex for Z412 that addresses the acoustic environment of an office. It is to support the tasks performed and to reduce the risk to the workers by providing appropriate levels of speech intelligibility, speech privacy and freedom from distraction; minimal dynamic range; comfortable background, average and peak sound levels; reverberation control; and acoustical consistency from one location to another.

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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, 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/ASME B18.12-201x, Glossary of Terms for Mechanical Fasteners** (revision of ANSI/ASME B18.12-2012)

This Standard is a summary of nomenclature and terminology currently used to define and/or describe mechanical fasteners, related characteristics, and the manufacturing processes that produce these products. Utilization of these terms by manufacturers and consumers is intended to reduce or eliminate confusion and serve as a sound basis for communication.

Contact: Mayra Santiago, [ansibox@asme.org](mailto:ansibox@asme.org)

### **BSR/ASME B18.15-201x, Forged Eyebolts** (revision of ANSI/ASME B18.15-2015)

This standard is limited to dimensions and capacities for carbon steel and corrosion-resistant stainless steel, forged threaded eyebolts intended primarily for lifting applications. For carbon steel construction, the sizes are limited to 1/4 inch through 2-1/2 inches, and for corrosion resistant stainless steel construction, the sizes are limited to 1/4 inch through 1-1/2 inches.

Contact: Mayra Santiago, [ansibox@asme.org](mailto:ansibox@asme.org)

### **BSR/ASSE Z490.2-201X, Accepted Practices for Virtual Training in Occupational Safety, Health, and Environmental Management** (new standard)

This standard establishes criteria for safety, health, and environmental virtual training programs, including program management, development, delivery, evaluation, and documentation.

Contact: Lauren Bauerschmidt, [lbauerschmidt@asse.org](mailto:lbauerschmidt@asse.org)



**BSR/IEEE C37.249-201x, Guide for Categorizing Security Needs for Protection and Automation Related Data Files** (new standard)

This guide identifies and categorizes protection and automation related data files based on content, use, and risk of disclosure or compromise. Protection- and automation-related data files include, but are not limited to, files used for configuration, management, and analysis of protective relaying systems.

Contact: Lisa Weisser, [l.weisser@ieee.org](mailto:l.weisser@ieee.org)

**BSR/IES/ALA RP-11-201x, Lighting for Interior and Exterior Environments** (new standard)

This recommended practice is a guide for designing and for teaching lighting. It covers residential living spaces and other areas intended to impart a residential atmosphere. It describes design objectives, criteria for quantity and quality of illuminance, lighting methods, types and uses of equipment, energy use, and electrical code considerations. Various solutions that address residential lighting problems are also presented.

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

**BSR/IESNA LM-73-201x, Approved Method for Photometric Testing of Entertainment Luminaires Using HID, Incandescent Filament or LED Illumination Sources** (revision of ANSI/IESNA LM-73-2004 (R2009))

Entertainment lighting luminaires usually have much narrower beam distribution than other luminaires, such as those covered by IES LM-35, approved method for photometric testing of floodlights using HID or incandescent filament lamps. Therefore, different test methods and forms of presentation may be used. For example, test data is required in the form of illuminance values on a vertical aiming plane. Data reporting is covered by publication ANSI E1.9-2001, reporting photometric performance data for luminaires used in entertainment lighting, developed by the entertainment services and technology association. IES LM-73 is to be used in conjunction with ANSI E1.9 -2001.

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

**BSR/TIA 570-D-201x, Residential Telecommunications Infrastructure Standard** (revision and redesignation of ANSI/TIA 570-C-2012)

This Standard applies to telecommunications premises cabling systems and the related pathways and spaces for single- and multi-dwelling residential buildings. It applies to the telecommunications cabling within or between structures and includes the cabling within a single-dwelling unit and the backbone cabling. It specifies cabling intended to support a wide range of telecommunications applications in the residential environment including voice, data, video, security, audio, and control systems.

Contact: Teesha Jenkins, [standards@tiaonline.org](mailto:standards@tiaonline.org)

**BSR/TIA 862-B-1-201x, Structured Cabling Infrastructure Standard for Intelligent Building Systems, Addendum 1: Updated References, Accommodation of New Media Types** (addenda to ANSI/TIA 862-B-2016)

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](mailto:standards@tiaonline.org)

**BSR/TIA 4966-1-201x, Telecommunications Infrastructure Standard for Educational Facilities, Addendum 1: Updated References, Accommodation of New Media Types** (addenda to ANSI/TIA 4966 -2014)

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](mailto:standards@tiaonline.org)

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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/ASCE/EWRI 66-2017, Management Practices for Control of Erosion and Sediment from Construction Activities** (new standard): 17 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC 189.1i-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1ab-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1n-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1p-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1t-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1u-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1x-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1y-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1z-2017**, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 13 February 2017

**ANSI ASSE Z9.10-2017**, Fundamentals Governing the Design and Operation of Dilution Ventilation Systems in Industrial Occupancies (revision and redesignation of ANSI AIHA Z9.10-2010): 17 February 2017

**ANSI/CPLSO-15-2017**, Proximity Warning Devices (new standard for detecting aerial power lines close to cranes): 16 February 2017

**ANSI/UL 1682-2017**, Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013): 15 February 2017

**ANSI/UL 1682-2017a**, Standard for Safety for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013): 15 February 2017

**ANSI/UL 60034-2-1-2017**, Standard for Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (Proposal dated 11-11-16) (identical national adoption of IEC 60034-2-1): 17 February 2017

**ANSI/UL 61800-5-1-2017**, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2015): 24 February 2017

**ANSI/UL 61800-5-1-2017a**, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption of IEC 61800-5-1 with modifications and revision of ANSI/UL 61800-5-1-2015): 24 February 2017

**ANSI/UL 62093-2017**, Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments (national adoption with modifications of IEC 62093): 24 February 2017

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## Draft IEC & ISO Standards

This section lists proposed standards 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 documents should be sent to Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org). Comments from US citizens regarding ISO documents should be sent to Karen Hughes at [isot@ansi.org](mailto: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/DIS 37153**, Smart community infrastructures - Maturity model for assessment and improvement – 19 March 2017, \$93.00

**48B/2554/FDIS, IEC 61076-3-122 ED1**: Connectors for electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and Gigabit Ethernet applications in harsh environments, 24 March 2017

**48B/2556/CD, IEC 60512-1 ED5**: Connectors for electronic equipment - Tests and measurements - Part 1: General, 7 April 2017

**48B/2559/CD, IEC 60512-23-3 ED2**: Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 23-3: Test 23c: Shielding effectiveness of connectors and accessories, 5 May 2017

**ISO/IEC 23003-1/DAmD4**, Information technology - MPEG audio technologies - Part 1: MPEG Surround - Amendment 4: Reference software for MPEG surround extension for 3D audio – 11 May 2017, \$29.00

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## Recently Published IEC & ISO Documents

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>.

**ISO 15708-1:2017**, Non-destructive testing - Radiation methods for computed tomography - Part 1: Terminology, \$45.00

**IEC 61800-3 Ed. 3.0 b:2017**, Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods, \$387.00

**S+ IEC 61800-3 Ed. 3.0 en:2017** (Redline version), Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods, \$503.00

**IEC 61800-9-1 Ed. 1.0 b:2017**, Adjustable speed electrical power drive systems - Part 9-1: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – General requirements for setting energy efficiency standards for power driven equipment using the extended product approach (EPA) and semi analytic model (SAM), \$235.00

**IEC 61800-9-2 Ed. 1.0 b:2017**, Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Energy efficiency indicators for power drive systems and motor starters, \$375.00

**IEC/TS 62861 Ed. 1.0 en:2017**, Guidelines for principal component reliability testing for LED light sources and LED luminaires, \$352.00

**ISO 15708-2:2017**, Non-destructive testing - Radiation methods for computed tomography - Part 2: Principles, equipment and samples, \$103.00

**ISO 16946:2017**, Non-destructive testing - Ultrasonic testing - Specification for step wedge calibration block, \$45.00

**ISO 20378:2017**, Welding consumables - Rods for gas welding of non-alloy and creep-resisting steels - Classification, \$45.00

**ISO 22201-1:2017**, Lifts (elevators), escalators and moving walks -Programmable electronic systems in safety-related applications - Part 1: Lifts (elevators) (PESSRAL), \$185.00

**ISO 26261-1:2017**, Fireworks - Category 4 - Part 1: Terminology, \$68.00

**ISO 26261-2:2017**, Fireworks - Category 4 - Part 2: Requirements, \$68.00

**ISO 26261-3:2017**, Fireworks - Category 4 - Part 3: Test methods, \$138.00

**ISO 26261-4:2017**, Fireworks - Category 4 - Part 4: Minimum labelling requirements and instructions for use, \$45.00

**ISO 44001:2017**, Collaborative business relationship management systems - Requirements and framework, \$209.00

**ISO 6531:2017**, Machinery for forestry - Portable chain-saws - Vocabulary, \$45.00

**ISO 8559-1:2017**, Size designation of clothes - Part 1: Anthropometric definitions for body measurement, \$209.00

**ISO 8559-2:2017**, Size designation of clothes - Part 2: Primary and secondary dimension indicators, \$138.00

**ISO 9241-112:2017**, Ergonomics of human-system interaction – Part 112: Principles for the presentation of information, \$138.00

**ISO/IEC 20246:2017**, Software and systems engineering – Work product reviews, \$185.00

**ISO/IEC 23008-5:2017**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 5: Reference software for high efficiency video coding, \$45.00

**ISO/IEC TR 29110-5-1-3:2017**, Systems and software engineering -Lifecycle profiles for Very Small Entities (VSEs) - Part 5-1-3: Software engineering - Management and engineering guide: Generic profile group - Intermediate profile, \$209.00

**ISO/IEC/IEEE 18882:2017**, Information technology -Telecommunications and information exchange between systems -Ubiquitous green community control network: Heterogeneous networks convergence and scalability, \$185.00

## TSP Meeting Schedule

The July meetings will be at the Marriott Solana in Westlake, TX. The most up to date schedule can be found on the ESTA website at <http://tsp.esta.org/tsp/meetings/index.php>, where there is a "Reserve a Hotel Room" link.

|                                       |               |                       |
|---------------------------------------|---------------|-----------------------|
| Control Protocols Plugfest            | 16:00 – 22:00 | Friday 21 July 2017   |
|                                       | 09:00 – 22:00 | Saturday 22 July 2017 |
|                                       | 09:00 – 22:00 | Sunday 23 July 2017   |
|                                       | 09:00 – 22:00 | Monday 24 July 2017   |
|                                       | 09:00 – noon  | Tuesday 25 July 2017  |
| Control Protocols Plugfest Roundtable | 19:00 – 20:00 | Sunday 23 July 2017   |
| Control Protocols Working Group       | 09:00 – 13:00 | Monday 24 July 2017   |
| Electrical Power Working Group        | 09:00 – 13:00 | Sunday 23 July 2017   |
| Event Safety Working Group            | 14:00 – 18:00 | Sunday 23 July 2017   |
| Photometrics Working Group            | 14:00 – 18:00 | Monday 24 July 2017   |
| Rigging Working Group                 | 19:00 – 23:00 | Saturday 22 July 2017 |
| Technical Standards Council           | 09:00 – 13:00 | Tuesday 25 July 2017  |

## ESTA Standards Watch

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