



worldwide standards for the entertainment industries

# PLASA Standards News

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## Texas Plugfest Returns

The next PLASA Control Protocols Plugfest will be held Friday 29 January through Monday 1 February 2016 at the Marriott Solana in Westlake, TX, near the Dallas-Forth Worth Airport. That's next year, but it is not too early for product developers to make plans to attend with new equipment they want to test. Plugfests are informal gatherings that give developers an opportunity to check their product's interoperability with a wide variety of other devices using PLASA North America's protocols. Usually problems can be spotted and sorted out over a weekend, with engineers and technicians sharing protocol implementation tips.

The Plugfest will be held in conjunction with the TSP working group and task group meetings at the same hotel. The schedule is still in the works, but when it is finalized it will be posted at <http://tsp.plasa.org/tsp/meetings/index.php>. Answers to questions and further information can be found at the Control Protocol Forums, <http://www.rdmprotocol.org/forums/>, or by emailing [sblair@rdmprotocol.org](mailto:sblair@rdmprotocol.org). Registration is not required, but please send a note if you plan to bring a lot of equipment or large equipment. Space is limited.

## New FCC Rules for Spectrum above 24 GHz

The Federal Communications Commission in the United States has proposed new rules to make spectrum bands above 24 GHz available for mobile and other services. Of particular interest to Standards News readers would be the proposal to authorize operations in the 64-71 GHz band under Part 15 rules based on the rules recently adopted for the adjacent 57-64 GHz band. This action will provide more spectrum for unlicensed uses such as Wi-Fi-like "WiGig" operations. Comments are due by 26 January 2016. For more information, see [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A1.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A1.pdf).

Laudatory statements about the proposed rules from FCC commissioners from the Democratic Party may be read at [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A2.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A2.pdf), [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A3.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A3.pdf), and [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A4.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A4.pdf). Less laudatory statements from Republican Party commissioners Ajit Pai and Michael O'Rielly are available at [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A5.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A5.pdf) and [https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-15-138A6.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-138A6.pdf). Commissioner Pai quotes a vacuous ad lib in a speech by the Veep TV show character Selina Meyer to make his point.

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## Ofcom Consultation: New Spectrum for Audio PMSE

Ofcom, the corporation in the UK that manages RF spectrum, has published a consultation, a request for comment, on a plan to accommodate the Programme Making and Special Events sector—the entertainment industry—by making additional spectrum available for use. The planned release of the 700 MHz band for mobile services will reduce the amount of spectrum available for audio PMSE use, such as wireless microphones and in-ear monitors. To mitigate this loss, the consultation looks at a technical sharing analysis of the 960-1164 MHz and 1525-1559 MHz bands, and a proposal to allow access to spectrum in the 960-1164 MHz band. Audio PMSE users would share access to this band with aeronautical radio navigation services. Ofcom invites stakeholders to comment on the provisional conclusions, with a closing date for responses of 18 December 2015. More information is available at <http://stakeholders.ofcom.org.uk/consultations/new-spectrum-audio-PMSE/>.

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## IES Seeks a Director of Knowledge Management

The Illuminating Engineering Society is recruiting for the position of Director of Knowledge Management (previous titled "Director of Technology"). The Director of Knowledge Management is responsible for managing the development, publication, and maintenance of the technical documents in the IES Lighting Library and for the organization's research and education programs. The DKM reports directly to the IES Executive Vice President. A full position description is available at <http://plasa.me/mugwy>. More information also is available by contacting David Martin, Managing Partner of Sterling Martin Associates, at [iesdkm@smartinsearch.com](mailto:iesdkm@smartinsearch.com). Sterling Martin Associates has been retained to conduct the search. Do not contact IES staff or Board Members.

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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 News* readers. If you have a problem with these notices, you can protest through your representative to the WTO. In the US, that is NIST ([notifyus@nist.gov](mailto:notifyus@nist.gov)). See <http://ec.europa.eu/enterprise/tbt/> for European TBT objections.

### Thailand Notification THA/467

**Date issued:** 15 October 2015

**Agency responsible:** Department of Industrial Works, Ministry of Industry

**National inquiry point:** Thai Industrial Standards Institute (TISI)

**Products covered:** Other standards related to lamps

**Title:** Draft Thai Industrial Standard for Ballasts for Tubular Fluorescent Lamps: Safety Requirements

**Description of content:** The Thai Industrial Standards Institute (TISI) has proposed to withdraw TIS 23-2521 (1978) ballasts for fluorescent lamps, and replace it with TIS 23-25XX as a mandatory standard.

This standard deals with the safety requirements for ballasts, excluding resistance types, for use on a.c. supplies up to 1,000 V at 50 Hz or 60 Hz, associated with fluorescent lamps with or without pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and

characteristics as specified in TIS 236 and TIS 1713. This standard applies to complete ballasts and to their component parts such as reactors, transformers and capacitors. Particular requirements for thermally protected ballasts are given in annex B.

Ballasts for conventional operation of lamps at mains frequency are covered, while a.c. supplied electronic ballasts for high frequency operation are excluded. These are specified in TIS 885. Capacitors having a capacitance greater than 0,1 µF comply with TIS 191 or other relevant standards. Capacitors having a capacitance less than or equal to 0,1 µF comply with relevant standards.

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

**Relevant documents:** · IEC 61347-2-8 (2000): Lamp Control gear – Part 2-8: Particular Requirements for Ballasts for Fluorescent Lamps and Amendment 1 (2006) and Corrigendum 1 (2012)

· TIS 23-2521(1978): Ballasts for Fluorescent Lamps

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

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

**Final date for comments:** 14 December 2015

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/THA/full\\_text/pdf/THA467\(thai\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/THA/full_text/pdf/THA467(thai).pdf)

## European Union Notification EU/320

**Date issued:** 16 October 2015

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

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

**Products covered:** Electrical and electronic equipment

**Title:** Draft Commission Delegated Directive amending, for the purposes of adapting to technical progress, Annex IV to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices or electron microscopes

**Description of content:** This draft Commission Delegated Directive concerns an application specific and temporary exemption from the RoHS 2 (Directive 2011/65/EU) substance restrictions.

**Objective and rationale:** Adaptation of existing legislation to scientific and technical progress, granting manufacturers adequate transition time for compliance.

**Relevant documents:** - Scientific background studies justifying the specific exemption are available via the Commission consultants' project webpage

[http://rohs.exemptions.oeko.info/fileadmin/user\\_upload/ROHS\\_Pack5/201410\\_RoHS\\_Ex\\_Pack5\\_Final\\_Report\\_final.pdf](http://rohs.exemptions.oeko.info/fileadmin/user_upload/ROHS_Pack5/201410_RoHS_Ex_Pack5_Final_Report_final.pdf) pages 26-55;

[http://rohs.exemptions.oeko.info/fileadmin/user\\_upload/reports/20150312\\_RoHS\\_scope\\_review\\_final\\_a.pdf](http://rohs.exemptions.oeko.info/fileadmin/user_upload/reports/20150312_RoHS_scope_review_final_a.pdf) pages 70–104).

- Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1438768100804&uri=CELEX:32011L0065>

**Proposed date of adoption:** 1 January 2016

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

**Final date for comments:** 15 December 2015

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU320\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU320[1](english).pdf) and

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU320\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU320[2](english).pdf)

## China Notification CHN/1139

**Date issued:** 19 October 2015

**Agency responsible:** General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)

**National inquiry point:** General Administration of Quality Supervision and Inspection and Quarantine of the People's Republic of China (AQSIQ)

**Products covered:** Consumer products - Electrical & electronic products, products for children (HS 84;85;39;48;61;62;87;94;95). Plastics and articles thereof (HS 39), paper and paperboard; articles of paper pulp, of paper or of paperboard (HS 48), articles of apparel and clothing accessories, knitted or crocheted (HS 61), articles of apparel and clothing accessories, not knitted or crocheted (HS 62), 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), vehicles other than railway or tramway rolling- stock, and parts and accessories thereof (HS 87), furniture; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; lamps and lighting fittings, not elsewhere

specified or included; illuminated signs, illuminated name-plates and the like; prefabricated buildings (HS 94), toys, games and sports requisites; parts and accessories thereof (HS 95); Manufacturing engineering

**Title:** Regulation on the Administration of Recall of Defective Consumer Products

**Description of content:** This regulation specifies the recall conditions of defective consumer products, liability subject of recall, recall obligations of manufacturer and operator, supervisory responsibility of government authorities, and stipulates recall procedures, legal liability of manufacturer and supervisory staff, etc. and aims to further improve the administrative system of defective consumer products recall.

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

**Relevant documents:** Provisions on the Administration of Recall of Defective Toys for Children

**Proposed date of adoption:** 17 January 2016

**Proposed date of entry into force:** 16 April 2016

**Final date for comments:** 18 December 2015

**Full text:**

[https://tsapps.nist.gov/notifyus/docs/wto\\_country/CHN/full\\_text/pdf/CHN1139\(simplified\\_chinese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHN/full_text/pdf/CHN1139(simplified_chinese).pdf)

### Saudi Arabia Notification SAU/867

**Date issued:** 19 December 2015

**Agency responsible:** Saudi Arabia Standards Organization (SASO)

**National inquiry point:** Saudi Arabia Standards Organization (SASO)

**Products covered:** Luminaires, incorporating electric light sources

**Title:** The Kingdom of Saudi Arabia/Saudi Standards, Metrology and Quality Organization (SASO)

Luminaire performance - Part 1: General requirements

**Description of content:** This regulation specifies performance and environmental requirements for luminaires, incorporating electric light sources.

**Objective and rationale:** To ensure performance and environmental requirements for luminaires

**Relevant documents:** IEC 62722-1 ed1.0:2014

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

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

**Final date for comments:** 18 December 2015

### Ecuador Notification ECU/321

**Date issued:** 8 October 2015

**Agency responsible:** Ecuadorian Standardization Service (SEN)

**National inquiry point:** Ministry of Industry and Competitiveness (MICIP)

**Products covered:** Microphones (HS 8518.10)

**Title:** Draft Technical Regulation of the Ecuadorian Standardization Institute (PRTE INEN) No. 156, "Microphones"

**Description of content:** The notified draft Technical Regulation covers the following: Purpose; Scope; Definitions; Product requirements; Labelling and user information requirements; Sampling; Conformity assessment tests; Reference documents; Conformity assessment procedure; Monitoring and inspection authority; Liability of conformity assessment bodies; and Review and updating.

**Objective and rationale:** This Technical Regulation establishes the electromagnetic compatibility (EMC) and electromagnetic immunity requirements to be met by microphones, with a view to protecting human health and preventing practices likely to mislead users.

It applies to imported and domestically manufactured wired or wireless electrodynamic and condenser microphones for professional use that are marketed in Ecuador.

**Relevant documents:** · Publication where notice appears: <http://www.industrias.gob.ec/> /

<http://www.normalizacion.gob.ec/>

· Proposal and basic document: Proyecto de Reglamento Técnico Ecuatoriano PRTE INEN 156, "Micrófonos" (Draft Technical Regulation of the Ecuadorian Standardization Institute (PRTE INEN) No. 156, "Microphones")

· Publication in which Technical Regulation will be published when adopted: Registro Oficial (Official Journal).

**Proposed date of adoption:** 2 January 2016

**Proposed date of entry into force:** 1 July 2016

**Final date for comments:** 3 January 2016 [the day after it's adopted!]

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/ECU/full\\_text/pdf/ECU321\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/full_text/pdf/ECU321(spanish).pdf)

### Ecuador Notification ECU/320

**Date issued:** 8 October 2015

**Agency responsible:** Ecuadorian Standardization Service (SEN)

**National inquiry point:** Ministry of Industry and Competitiveness (MICIP)

**Products covered:** Computers and input and output peripherals (HS 8471.30, 8471.41, 8471.49, 8471.50, 8471.60.20, 8471.60.90, 8471.80.00 and 8471.90.00)

**Title:** Draft Technical Regulation of the Ecuadorian Standardization Institute (PRTE INEN) No. 128, "Computers and input and output peripherals"

**Description of content:** The notified draft Technical Regulation covers the following: Purpose; Scope; Definitions; Product requirements; Marking and instruction requirements; Sampling; Conformity assessment tests; Reference documents; Conformity assessment procedure; Monitoring and inspection authority; Penalty regime; Liability of conformity assessment bodies; and Review and updating.

**Objective and rationale:** This Technical Regulation establishes the general safety and energy efficiency requirements to be met by computers and input and output peripherals with a rated voltage not exceeding 600 V, with a view to protecting human life and preventing practices likely to mislead users.

It applies to the following computers and input and output peripherals marketed in Ecuador, whether imported or domestically manufactured:

Computers · Desktop computers · Integrated desktop computers · Laptop computers · All-in-one laptop computers · Workstation computers · Thin client computers

Input and output peripherals · External displays or monitors · Keyboards · Mice

The notified Technical Regulation also applies to the motherboards or mainboards of computers in CKD form.

**Relevant documents:** · Publication where notice appears: <http://www.industrias.gob.ec/>

<http://www.normalizacion.gob.ec/>

· Proposal and basic document: Proyecto de Reglamento Técnico PRTE INEN 128 "Computadoras y sus periféricos de entrada y de salida" (Draft Technical Regulation of the Ecuadorian Standardization Institute (PRTE INEN) No. 128, "Computers and input/output peripherals")

· Publication in which Technical Regulation will be published when adopted: Registro Oficial (Official Journal).

**Proposed date of adoption:** 2 January 2016

**Proposed date of entry into force:** 1 July 2016

**Final date for comments:** 3 January 2016 [the day after the proposed date of adoption!]

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/ECU/full\\_text/pdf/ECU320\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/full_text/pdf/ECU320(spanish).pdf)

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## ANSI Public Review Announcements

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at [psa@ansi.org](mailto:psa@ansi.org).

### Due 30 November 2015

#### **BSR/NASBLA 101-201X, Basic Boating Knowledge - Human Propelled Boats** (new standard)

This is the minimum standard that applies to all human-propelled boating courses in the U.S. states and territories and District of Columbia. Its purpose is to establish the national standard for use by course providers to meet the needs of recreational boaters for human-propelled boating knowledge in order to identify and reduce primary risk factors and mitigate their effects on recreational boating.

Single copy price: Free

Order from and send comments to: Pamela Dillon, [pam@nasbla.org](mailto:pam@nasbla.org)

#### **BSR/PLATO FL 1-201x, Flashlight Basic Performance Standard** (revision of ANSI/NEMA FL1-2009)

This Standards Publication covers basic performance of hand-held/portable flashlights, spotlights, and headlamps providing directional lighting.

Single copy price: Free

Order from: [mtierney@kellenccompany.com](mailto:mtierney@kellenccompany.com)

Send comments to: [peter@plato-usa.org](mailto:peter@plato-usa.org)

### Due 7 December 2015

#### **BSR/AWS C3.4M/C3.4-201x, Specification for Torch Brazing** (revision of ANSI/AWS C3.4M/C3.4-2007a)

This specification presents the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the torch brazing of steels, stainless steels, copper, copper alloys, and heater corrosion-resistant alloys and other materials that can be adequately torch brazed (the torch brazing

of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying torch-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: \$28.00

Order from: [jdouglass@aws.org](mailto:jdouglass@aws.org)

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

**BSR/AWS C3.5M/C3.5-201x, Specification for Induction Brazing** (revision of ANSI/AWS C3.5M/C3.5-2007a)

This specification provides the minimum fabrication and requirements for the induction brazing of materials such as steels, copper, copper alloys, and heat- and corrosion-resistant alloys as well as other materials that can be adequately induction brazed. Note that the induction brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing.

Single copy price: \$28.00

Order from: [jdouglass@aws.org](mailto:jdouglass@aws.org)

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

**BSR/AWS C3.6M/C3.6-201x, Specification for Furnace Brazing** (revision of ANSI/AWS C3.6M/C3.6-2007)

This specification presents the minimum fabrication and quality requirements for the furnace brazing of materials such as steels, stainless steels, nickel, nickel alloys, copper, copper alloys, and heat- or corrosion-resistant materials as well as other materials that can be adequately furnace brazed. Note that the furnace brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing.

Single copy price: \$28.00

Order from: [jdouglass@aws.org](mailto:jdouglass@aws.org)

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

**BSR/NECA 130-201X, Standard for Installing and Maintaining Wiring Devices** (revision of ANSI/NECA 130-2010)

This standard describes the installation and maintenance procedures for wiring devices.

Single copy price: \$40.00

Order from and send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

**BSR/NECA 169-201X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs)** (revision of ANSI/NECA 169-2010)

This standard describes the installation and maintenance procedures for arc-fault circuit interrupters (AFCIs) and ground-fault circuit interrupters (GFCIs).

Single copy price: \$40.00

Order from and send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

**BSR/UL 62841-2-2-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety – Part 2-2: Particular Requirements for Hand-Held**

**Screwdrivers and Impact Wrenches** (national adoption with modifications of IEC 62841-2-2)

(1) Proposed adoption of the first edition of IEC 62841-2-2, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-2: Particular Requirements for Hand-Held Screwdrivers and Impact Wrenches, as the first edition of UL 62841-2-2.

Single copy price: Contact comm2000 for pricing and delivery options

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

Send comments to: Beth Northcott, [Elizabeth.Northcott@ul.com](mailto:Elizabeth.Northcott@ul.com)

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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 News* readers. To participate in the public review, please visit: <http://publicreview.csa.ca/>.

### Due 30 November 2015

#### C22.2 No. 0.2, Insulation Coordination (new edition)

This standard uses principles of insulation coordination in specifying through-air and over-surface spacing requirements for electrical equipment. The complete principles of insulation coordination involve consideration of a combination of clearances, creepage distances, and properties of solid insulation used to

constitute an insulation system. This standard includes considerations for clearances and creepage distances. These requirements are intended to be used only where specifically referenced by other standards of the Canadian Electrical Code, Part II.

#### Due 15 December 2015

##### **Z195.1, Guide on Selection, Care, and Use of Foot Protection (new edition)**

This guideline has been developed as a complementary document to CSA Standard Z195-14, *Protective Footwear*. The purpose of this guideline is to (a) assist users of footwear and their employers in the proper selection of the best footwear protection available for their particular working environment and specific job functions; (b) assist employers, safety committees, and workers in identification of potential risks and hazards requiring protective footwear in their workplace; (c) assist employers and safety committees in establishing and maintaining safety footwear programs that meet the requirements of reasonable care (due diligence) and continuous improvement in the prevention of injuries; and (d) provide users with helpful tips for the proper selection, maintenance, and disposal of safety footwear.

#### Due 25 December 2015

##### **C22.2 No. 107.1, Power Conversion Equipment (new edition)**

This standard applies to ac and dc type Power Conversion Equipment (PCE), that is of dry or liquid-filled construction; has a rated voltage not exceeding 1500 V; and is for commercial, industrial, and residential indoor and outdoor use in nonhazardous locations in accordance with the rules of the *Canadian Electrical Code, Part I*.

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### New ANS Projects

ANSI has announced the following new projects that might materially affect *Standards News* 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.

#### **ANSI/BOMA Z65.1-2010 – Office Buildings: Standard Methods of Measurement**

The Building Owners and Managers Association (BOMA) International has initiated the process of revising its floor measurement standard for office buildings (ANSI/BOMA Z65.1-2010 – Office Buildings: Standard Methods of Measurement) and is putting together its Canvass Committee. The balloting will begin once a final draft is complete and will conclude 45 days following the initiation of the process. The revised standard is expected to include clarifications as well as guidance on how it can be used with the International Property Measurement Standards (IPMS) for Office Buildings. BOMA is specifically looking for Users and General Interest. “Users” include those who use space within an office building including tenants, tenant brokers, agents, floor measurers, architects and interior designers and others who are in the contractual employ of tenants. “General Interest” includes all firms and individuals that do not have a direct alignment in the business interests of producers or users.

Contact: Karen Penafiel, [kpenafiel@boma.org](mailto:kpenafiel@boma.org) for a copy of the pre-canvass interest survey. Surveys must be submitted before 30 November 2015.

#### **BSR C82.11-201X, High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)**

This standard is intended to cover high-frequency ballasts that have rated open-circuit voltages of 2000 volts or less, operate the lamp at frequencies between 10 kHz and 500 kHz, and are intended to operate at a supply frequency of 50 Hz or 60 Hz. This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapidstart (continuously heated cathodes), modified rapid-start, programmed start, or instant start used primarily for lighting purposes. The ballast and lamp combinations covered by this specification are normally intended for use in room-ambient temperatures of 10°C to 40°C. At ambient temperatures outside this range, certain special operating characteristics may be required.

Contact: Michael Erbesfeld, [Michael.Erbesfeld@nema.org](mailto:Michael.Erbesfeld@nema.org)

#### **BSR/ABYC A-32-201x, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32 2012)**

This standard is a guide for the design, construction and installation of electrical and electronic power conversion, control equipment and systems in the context of boats and yachts.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/ABYC E-10-201x, Storage Batteries** (revision of ANSI/ABYC E-10 -2011)

These standards and recommended practices are guides for the selection, location, installation, and wiring of storage batteries in the context of boats and yachts.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/ABYC E-30-201x, Electric Propulsion Systems** (revision and redesignation of ANSI/ABYC TE-30-2009)

This standard is a guide for the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/ABYC H-26-201x, Powering of Boats** (revision of ANSI/ABYC H-26-2011)

This standard is a guide for determining the maximum power for propulsion of outboard boats; evaluating the suitability of power installed in inboard boats; and determining maneuvering speed.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/ABYC H-30-201x, Hydraulic Systems** (revision of ANSI/ABYC H -30-2011)

This standard is a guide for the design, construction, installation, operation, and control of hydraulic components used to transmit force.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/ABYC H-35-201x, Powering and Load Capacity of Pontoon Boats** (revision of ANSI/ABYC H-35-2011)

This standard is a guide for determining powering and load capacity of pontoon boats.

Contact: David Broadbent, [dbroadbent@abycinc.org](mailto:dbroadbent@abycinc.org)

**BSR/AWS D14.6/D14.6M-201x, Specification for Welding of Rotating Elements of Equipment** (revision of ANSI/AWS D14.6/D14.6M-2012)

This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment that are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.

Contact: John Douglass, [jdouglass@aws.org](mailto:jdouglass@aws.org)

**BSR/BICSI 007-201X, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises** (new standard)

This standard will cover the design and implementation of the information communication technology systems required to support an intelligent building/premise integrated design. Systems that are expected to be covered, include, but are not limited to: building automation/management, utility utilization, lighting, signage and wayfinding, sound and acoustical services, location, and asset tracking.

Contact: Jeff Silveira, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

**BSR/BICSI 008-201X, In-Building and Campus Wireless LAN Systems Design and Implementation Best Practices** (new standard)

The standards includes material for the design and implantation of a inbuilding/campus wireless network (WLAN), including, but not limited to required infrastructure, distribution technology types, location technologies, compliance and legal issues. design coordination, wireless design, telecommunication infrastructure, installation & commissioning, specific locations and situations.

Contact: Jeff Silveira, [jsilveira@bicsi.org](mailto:jsilveira@bicsi.org)

**BSR/UL 1008R-201X, Standard for Refurbished Transfer Switch Equipment** (new standard)

This standard applies to refurbished automatic transfer switches; manual or non-automatic transfer switches; closed transition transfer switches; hybrid transfer switches; transfer switches for fire pumps; bypass/isolating switches; softload transfer switches; transfer switches intended for use as service equipment; and branch circuit emergency lighting transfer switches (BCELTS), that have a maximum rating of 1000 volts for use in non-hazardous locations.

Contact: Valara Davis, [Valara.Davis@ul.com](mailto:Valara.Davis@ul.com)

## 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, as applicable.

**ANSI C80.1-2015**, Standard for Electrically Rigid Steel Conduit (revision of ANSI C80.1-2005): 19 October 2015 [Does electricity make it rigid?]

**ANSI/MH16.3-2015**, Specification for the Design, Testing and Utilization of Industrial Steel Cantilevered Storage Racks (new standard): 8 October 2015

**ANSI/UL 1008-2015**, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2014b): 15 October 2015

**ANSI/UL 1047-2010 (R2015)**, Standard for Safety for Isolated Power Systems Equipment (reaffirmation of ANSI/UL 1047-2010): 15 October 2015

**ANSI/UL 50-2015**, Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations (revision of ANSI/UL 50-2007 (R2012)): 16 October 2015

**ANSI/UL 50E-2015**, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations (revision of ANSI/UL 50E-2007 (R2012)): 16 October 2015

**ANSI/UL 719-2015**, Standard for Safety for Nonmetallic-Sheathed Cables (Proposal dated 07-03-15) (revision of ANSI/UL 719-2013): 8 September 2015

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## 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 News* readers interested in reviewing and commenting on the document should order a copy from their national representative and submit their comments through them. (The IEC and ISO don't want to hear from you directly; have your people talk to their people.) Comments from US citizens on IEC documents should be sent to Charles T. Zegers at [czegeers@ansi.org](mailto:czegeers@ansi.org). Comments from US citizens regarding ISO documents should be sent to Karen Hughes at [isot@ansi.org](mailto:isot@ansi.org). The notices are sorted by comment deadline, which is the date noted, and then vaguely by alphanumeric.

**ISO/DIS 19671**, Additional Lubricants for Condoms - Effect on Condom Strength - 8 November 2015, \$46.00

**91/1304A/FDIS, IEC 61189-3-913 Ed.1**: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 3-913: Test method for thermal conductivity of printed circuit boards for high-brightness LEDs, 27 November 2015

**34C/1168A/CD, Amendment 1 to IEC 61347-1 Ed.3**: Lamp controlgear - Part 1: General and safety requirements, 11 December 2015

**91/1311/FDIS, IEC 62326-20 Ed.1**: Printed boards - Part 20: Printed circuit boards for high-brightness LEDs, 11 December 2015

**108/615/FDIS, IEC 60950-22/Ed2**: Information technology equipment - Safety - Part 22: Equipment to be installed outdoors, 11 December 2015

**108/616/FDIS, IEC 62911/Ed1**: Audio, video and information technology equipment - Routine electrical safety testing in production, 11 December 2015

**65B/1027A/CD, IEC 62952-3**: Power sources for a wireless communication device - Part 3: Energy harvesting specification, 8 January 2016

**65/611/NP, IEC 62443-3-2 Ed.1:** Security for industrial automation and control systems - Part 3-2: Security risk assessment and system design, 15 January 2016

**65E/482/NP,** Industrial-process measurement, control and automation - Uniform representation of condition monitoring functions, 15 January 2016

**ISO/DIS 24624,** Language resource management - Transcription of spoken language – 15 January 2016, \$102.00

**46C/1024/CD, IEC/TR 61156-1-6:** Multicore and symmetrical pair (quad cables for digital communications - Part 1-6: Exploratory DC resistance of floor-wiring and work area cables for digital communications, 22 January 2016

**100/2546/CDV, IEC 62766-4-1 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 4-1: Protocols (TA 1), 22 January 2016

**100/2547/CDV, IEC 62766-4-2 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 4-2: Examples of Protocol Sequence (TA 1), 22 January 2016

**100/2548/CDV, IEC 62766-5-1 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 5-1: Declarative Application Environment (TA 1), 22 January 2016

**100/2549/CDV, IEC 62766-5-2 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 5-2: Web Standards TV Profile (TA 1), 22 January 2016

**100/2550/CDV, IEC 62766-6 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 6: Procedural Application Environment (TA 1), 22 January 2016

**100/2551/CDV, IEC 62766-7 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 7: Authentication, Content Protection and Service Protection (TA 1), 22 January 2016

**100/2552/CDV, IEC 62766-8 Ed.1:** Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 8: Profiles (TA 1), 22 January 2016

**ISO/DIS 2603,** Simultaneous interpreting - Permanent booths - Requirements – 14 February 2016, FREE!

**ISO/DIS 4043,** Simultaneous interpreting - Mobile booths - Requirements - 14 February 2016, \$58.00

**ISO/DIS 20109,** Simultaneous interpreting - Equipment - Requirements - 14 February 2016, \$67.00

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## Recently Published IEC & ISO Documents

Listed here are documents recently approved by the IEC and ISO. The prices shown are for purchases from ANSI's eStandards Store, <http://webstore.ansi.org/>. Prices elsewhere may be different. A list of standards resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

**IEC 61804-4 Ed. 1.0 b:2015,** Function blocks (FB) for process control and electronic device description language (EDDL) - Part 4: EDD interpretation, \$387

**IEC 62841-1 Ed. 1.0 b cor.2:2015,** Corrigendum 2 - Electric motoroperated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements, \$0.00 (FREE!)

**ISO 10718:2015**, Cork stoppers - Characterization of a low-in-germs stopper, through the enumeration of colony-forming units of yeasts, moulds and bacteria, capable of both being extracted and growing in alcoholic medium, \$51.00

**ISO 14123-1:2015**, Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers, \$88.00

**ISO/IEC 15444-5:2015**, Information technology - JPEG 2000 image coding system: Reference software, \$123.00

**ISO/IEC 23008-3:2015**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio, \$265.00

**ISO/IEC TR 29110-3-4:2015**, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-4: Autonomy-based improvement method, \$149.00

**ISO/IEC TS 18661-4:2015**, Information Technology - Programming languages, their environments, and system software interfaces - Floating-point extensions for C - Part 4: Supplementary functions, \$173.00

**ISO/IEC TR 29110-3-1:2015**, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-1: Assessment guide, \$200.00

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## **TSP Meeting Schedule**

The next set of TSP meetings is scheduled to be held the last weekend of January 2016 at the Marriott Solana in Westlake, Texas. The meeting schedule has not been published yet, but when it is, it will be posted at <http://tsp.plasa.org/tsp/meetings/index.php>.

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## **PLASA Standards News**

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