



# Technical Standards Program

## ESTA Standards News

December 2015

Volume 19, Number 23

### Table of Contents

<a href="#">Eight ESTA Standards in Public Review.....</a>	<a href="#">1</a>
<a href="#">Due before EOD 28 December 2015, PST:.....</a>	<a href="#">1</a>
<a href="#">Due before EOD 4 January 2016, PST:.....</a>	<a href="#">2</a>
<a href="#">Due before EOD 2 February 2016, PST:.....</a>	<a href="#">2</a>
<a href="#">ANSI Seeks Input on ISO Management System Standards Survey.....</a>	<a href="#">2</a>
<a href="#">ICC Group B Code Deadline January 11.....</a>	<a href="#">3</a>
<a href="#">WTO Technical Barrier to Trade Notifications.....</a>	<a href="#">3</a>
<a href="#">European Union Notification EU/325.....</a>	<a href="#">3</a>
<a href="#">Japan Notification JPN/506.....</a>	<a href="#">4</a>
<a href="#">United Arab Emirates Notification ARE/298.....</a>	<a href="#">4</a>
<a href="#">ANSI Public Review Announcements.....</a>	<a href="#">5</a>
<a href="#">Due 11 January 2016.....</a>	<a href="#">5</a>
<a href="#">Due 18 January 2016.....</a>	<a href="#">6</a>
<a href="#">BSI Public Review Announcements.....</a>	<a href="#">6</a>
<a href="#">Due 8 January 2016.....</a>	<a href="#">6</a>
<a href="#">Due 19 January 2016.....</a>	<a href="#">6</a>
<a href="#">CSA Public Review Announcements.....</a>	<a href="#">6</a>
<a href="#">Due 2 February 2016.....</a>	<a href="#">6</a>
<a href="#">Due 5 February 2016.....</a>	<a href="#">7</a>
<a href="#">Due 8 February 2016.....</a>	<a href="#">7</a>
<a href="#">Due 10 February 2016.....</a>	<a href="#">7</a>
<a href="#">New ANS Projects.....</a>	<a href="#">7</a>
<a href="#">Final Actions on American National Standards.....</a>	<a href="#">9</a>
<a href="#">Draft IEC &amp; ISO Standards.....</a>	<a href="#">9</a>
<a href="#">Recently Published IEC &amp; ISO Documents.....</a>	<a href="#">11</a>
<a href="#">TSP Meeting Schedule.....</a>	<a href="#">12</a>
<a href="#">Investors in Innovation.....</a>	<a href="#">13</a>

### Eight ESTA Standards in Public Review

Another draft standard has been added to the seven standards posted for public review on the TSP website at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php), bringing the total to eight. Some are reaffirmations of existing standards, some are withdrawals of existing standards, and some (the BSRs) are drafts of new standards. Comments are due before the end of the day on the date shown. The TSP public review document server works on Pacific Standard Time.

#### Due before EOD 28 December 2015, PST:

**ANSI E1.3 - 2001 (R201x), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification.** The standard describes a method of controlling current-sink devices and equipment by means of an analog control voltage in the nominal range from zero to 10 volts positive, with the control signal current sourced from the controller. It is primarily intended for theatrical lighting controllers and controlled devices (e.g., dimmers), but any device could use this control method. The working group proposes to reaffirm the existing standard, which was previously reaffirmed in 2011.

**ANSI E1.30-1 - 2010 (R201x), EPI 23. Device Identification Subdevice.** This document is part of BSR E1.30, Application level equipment interoperability for control of commonly encountered entertainment technology devices using ANSI E1.17. It specifies a templated device for device identification as typically used for remote hardware and software devices. The working group is proposing to reaffirm the 2010 version.

**ANSI E1.30-7 – 2009 (W201x), EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts.** E1.30-7, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts, is a recipe that changes some of the rules for ACN (ANSI E1.17) so that devices with IP addresses not set by DHCP can be used on a network. The standard is being proposed for withdrawal on the grounds that much of the document was based around a protocol not adopted by the market, and that implementation for IP addressing is better dealt with by designers, not through the standardization of any particular method.

**Due before EOD 4 January 2016, PST:**

**ANSI E1.27-1 - 2006 (R201x), Entertainment Technology–Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products.** This Standard describes the types of portable cable for the transmission of digital data among products which comply with ANSI E1.11, Entertainment Technology – USITT DMX512-A. It covers recommended cable types, connectors and their internal wiring. The working group is proposing to reaffirm the 2006 version.

**BSR E1.37-5 - 201x, General Purpose Messages for ANSI E1.20, RDM.** This document provides additional Get/Set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol.

**BSR E1.51, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance, and Event Industries in Canada.** E1.51 is intended to offer guidance in accordance with existing applicable standards and regulations in Canada on how to select, install, use, and maintain single-conductor portable feeder cables used to supply power for television, film, live performance, and special events in Canada.

**BSR E1.53 - 20xx, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice.** This draft standard covers specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories. It also covers these mounting devices for special effects equipment (e.g. fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard would give guidance on how to properly affix these mounting devices.

**Due before EOD 2 February 2016, PST:**

**BSR E1.57 - 201x, Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms.** This draft standards offers recommendations to prevent falls by anyone (e.g., performers, technicians, politicians) on parade floats, movable stages, and similar moving platforms. Fall protection is needed, but this protection needs to be provided in a way that preserves the artistic intent of the moving float or platform. This document is being written to provide guidance on how to accomplish this.

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## **ANSI Seeks Input on ISO Management System Standards Survey**

The International Organization for Standardization is seeking feedback related to ISO management system standards. As the U.S. member body to ISO, the American National Standards Institute encourages all US stakeholders to review the following materials and respond to the online survey by the 8 January deadline.

First review ISO's survey paper on management system standards, available at <http://estalink.us/3lhde>, and review the DIN paper about the proliferation of management system standards, available at <http://estalink.us/87czx>. Then respond to ANSI's online survey, which is available at <http://estalink.us/vjrb0>.

ISO management system standards provide a model to follow when setting up and operating a management system. As with all ISO standards, they are the result of international, expert consensus. The standards can

be applied to any organization, large or small, whatever the product or service, and regardless of the sector of activity. Benefits of an effective management system include more efficient use of resources, improved risk management, and increased customer satisfaction as services and products consistently deliver what they promise.

The issue of the need for better coordination and coherence in the area of management system standards was raised by the Deutsches Institut für Normung, during the ISO Technical Management Board meeting in February 2015. The TMB agreed that its members should consult with their national stakeholders, and the results would be discussed at the next TMB meeting in February 2016. If national consultations result in consensus on any specific issues or concerns regarding ISO MSS, then the TMB will consider and establish appropriate mechanisms to address these issues and concerns.

All U.S. stakeholders are asked to complete the survey, available online, and direct any comments or questions to Steven Cornish, ANSI senior director for international policy at [scornish@ansi.org](mailto:scornish@ansi.org) by close of business on Friday, 8 January 2016.

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## ICC Group B Code Deadline January 11

The deadline to submit online proposed changes to the Group B *International Codes* via cdpACCESS is 11 January 2016. The Group B I-Codes consist of the *International Building Code — Structural*, *International Existing Building Code — Structural*, *International Residential Code — Building and Energy*, *International Fire Code*, *International Energy Conservation Code — Commercial and Residential*, *International Wildland-Urban Interface Code*, and the Administrative provisions for all of the codes. Access to cdpACCESS is available at <http://estalink.us/2uvov>.

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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.

### European Union Notification EU/325

**Date issued:** 25 November 2015

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

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

**Products covered:** Hazardous substances

**Title:** Draft Commission Regulation amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

**Description of content:** The purpose of this draft proposal for a ninth adaptation to technical progress of Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures (the CLP Regulation) is to amend Annex VI to the CLP Regulation in order to include updated classifications for 47 substances already subject to harmonised classification and to include new harmonised classifications.

The proposal also deletes table 3.2 that contains the lists of harmonised classification and labelling of hazardous substances which were based on the criteria set out in Annex VI to Council Directive 67/548/EEC as Directive 67/548/ECC was repealed from 1 June 2015.

**Objective and rationale:** Protection of human health and the environment, ensuring the proper functioning of the EU internal market.

**Relevant documents:** Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1.): <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:EN:PDF>

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

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

**Final date for comments:** 24 January 2016

**Text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU325\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU325[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto\\_country/EU/full\\_text/pdf/EU325\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU325[2](english).pdf)

## Japan Notification JPN/506

**Date issued:** 27 November 2015

**Agency responsible:** Ministry of Environment ; Ministry of Health, Labour and Welfare (MHLW)

**National inquiry point:** Standards Information Service, International Trade Division, Economic Affairs Bureau, Ministry of Foreign Affairs (MOFA)

**Products covered:** Chemical substances

**Title:** Revision of the "Order for Enforcement of the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc."

**Description of content:** Based on Article 17 and 22 of Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (hereinafter referred to as "the Act"), the following will be designated as Class I Specified Chemical Substances which need authorization to manufacture or import.

1. Polychlorinated naphthalenes containing two chlorine atoms 2. Pentachlorophenol and its salts and esters  
Based on Article 24 of the Act, the following will be designated as products prohibited from importation when polychlorinated naphthalenes containing two chlorine atoms are used in them.

1. Lubricating and cutting oils 2. Wood antiseptics, insecticides, and fungicides 3. Paints (limited to those for antiseptic, insecticidal, and fungicidal use)

Also, the following will be designated as products prohibited from importation when pentachlorophenol and its salts and esters are used in them.

1. Wood antiseptics, insecticides, and fungicides 2. Wood treated with antiseptics, insecticides, and fungicides 3. Plywood treated with antiseptics, insecticides, and fungicides 4. Glues

**Objective and rationale:** To prevent environmental pollution by "polychlorinated naphthalenes containing two chlorine atoms" and "pentachlorophenol and its salts and esters", which are potentially hazardous substances because of their non-biodegradability, high degree of bioaccumulation potential, and chronic toxicity, and therefore designated as Class I Specified Chemical Substances under the Act. This amendment is based on the decisions at the 7th meeting of the Stockholm Convention in 2015, under which "polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene" and "pentachlorophenol and its salts and esters" came under its scope for elimination.

In addition, to prevent environmental pollution, some products, in which each chemical substance is used will be prohibited from importation. Polychlorinated naphthalenes containing three or more chlorine atoms were already designated as Class I Specified Chemical Substances under the Act in 1979.

**Relevant documents:** · Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Act No. 117 of October 16, 1973):

[http://www.meti.go.jp/policy/chemical\\_management/english/cscl/files/laws/laws\\_cscl.pdf](http://www.meti.go.jp/policy/chemical_management/english/cscl/files/laws/laws_cscl.pdf) (in English)

· The Cabinet Order of the Chemical Substances Control Law and amendments thereto (1974, Cabinet No. 202): [http://www.meti.go.jp/policy/chemical\\_management/english/cscl/files/laws/laws\\_order\\_cscl.pdf](http://www.meti.go.jp/policy/chemical_management/english/cscl/files/laws/laws_order_cscl.pdf) (in English)

· News Release about the conclusion of the Chemical Substances Council on 18 September 2015

[http://www.meti.go.jp/english/press/2015/1023\\_02.html](http://www.meti.go.jp/english/press/2015/1023_02.html) (in English)

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

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

**Final date for comments:** 26 January 2016

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/JPN/full\\_text/pdf/JPN506\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN506(english).pdf)

## United Arab Emirates Notification ARE/298

**Date issued:** 1 December 2015

**Agency responsible:** Emirates Authority for Standardization and Metrology (ESMA)

**National inquiry point:** Emirates Authority for Standardization and Metrology (ESMA)

**Products covered:** Environmental labeling

**Title:** United Arab Emirates Environmental Label Scheme - Systems and Products

**Description of content:** This UAE scheme shall apply to systems and products mentioned in annex (1) of the Scheme, which carry, or are intended to carry, descriptive labelling referring to green and eco-friendly or similar labels signs and manufactured, imported or distributed within the state of the country. The latest version of the international standard ISO14024 and related standards will be considered as normative references in determining environmental standards for green card and to determine the mechanism of conformity for systems and products.

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

**Relevant documents:** (none listed)

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

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

**Final date for comments:** 31 January 2016

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/ARE/full\\_text/pdf/ARE298\(arabic\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ARE/full_text/pdf/ARE298(arabic).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 11 January 2016**

#### **BSR A208.1-201x, Particleboard** (revision of ANSI A208.1-2009)

The purpose of this standard is to establish recognized voluntary consensus standard for particleboard which provides a common basis for understanding throughout the particleboard industry and among those specifying and using industry products.

Single copy price: Free

Order from and send comments to: Edgar Deomano, [edeomano@cpamail.org](mailto:edeomano@cpamail.org)

#### **BSR A208.2-201x, Medium Density Fiberboard (MDF) for Interior Applications** (revision of ANSI A208.2-2009)

The purpose of this standard is to establish recognized voluntary consensus standard for MDF which provides a common basis for understanding throughout the MDF industry and among those specifying and using industry products.

Single copy price: Free

Order from and send comments to: Edgar Deomano, [edeomano@cpamail.org](mailto:edeomano@cpamail.org)

#### **BSR/NECA 781-201X, Recommended Practice for Installing and Maintaining Lightning Protection Systems** (new standard)

This standard describes site preparation, installation, and maintenance procedures for medium-voltage switchgear nominally rated 5 kV and 15 kV AC. Medium-voltage switchgear may be classified as either metal-clad switchgear or metal-enclosed switchgear.

Single copy price: \$40.00

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

#### **BSR/NECA 200-201X, Standard for Installing and Maintaining Temporary Electric Power at Construction Sites** (revision of ANSI/NECA 200-2010)

This standard describes temporary electrical power and lighting systems at construction sites, operating at 600 volts or less. It covers the planning, installation, expansion, maintenance, cutover, and removal of the temporary power system. This standard is intended to ensure a safe, adequate, functional, and reliable temporary electrical power system for all trades at construction sites.

Single copy price: \$40.00

Obtain an electronic copy from: [neis@necanet.org](mailto:neis@necanet.org)

Send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

#### **BSR/TIA 568.3-D-201x, Optical Fiber Cabling Component Standard** (revision and redesignation of ANSI/TIA 568-C.3-1-2011)

This standard is applicable to premises optical fiber cabling and components. Specified in this standard are requirements for components, such as cable, connectors, connecting hardware, and cords. Basic connectivity arrangements formed from these components are also defined. Connector test requirements and guidelines for field testing are also incorporated into this standard.

Single copy price: \$174.00

Order from and send comments to: Teesha Jenkins, [standards@tiaonline.org](mailto:standards@tiaonline.org)

#### **BSR/UL 498A-201x, Standard for Safety for Current Taps and Adapters** (Proposal dated 11-27-15) (revision of ANSI/UL 498A-2015)

This proposal includes the following revisions: (1) Addition of requirements for child-appealing or toy-like features and (2) Addition of requirements to address the perimeter of a current tap enclosure to prevent single-pole insertion.

Single copy price: Contact comm2000 for pricing and delivery options

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

Send comments to: [Ross.Wilson@ul.com](mailto:Ross.Wilson@ul.com)

#### **Due 18 January 2016**

##### **BSR/ASHRAE/IES Addendum co to Standard 90.1-201x, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2013)

This addendum updates these normative references to those versions to be used in the 2016 standard; adds new references that exist in the standard, but are not currently listed in Section 12; and deletes references no longer used in the standard.

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

Comment at: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

##### **BSR/UL 94-201x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances** (revision of ANSI/UL 94-2015)

1. UL 94 Proposal: Reference to the figurative examples of IEC 60695-11-20 in 5V Test Method.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: comm2000, <http://www.comm-2000.com>

Order from: Raymond Suga, [raymond.m.suga@ul.com](mailto:raymond.m.suga@ul.com)

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## **BSI Public Review Announcements**

BSI Standards has announced a draft document for public review that might be of interest to Standards News readers. The document may be commented on at <http://drafts.bsigroup.com/>.

#### **Due 8 January 2016**

##### **PAS 212 Automatic resource discovery for the Internet of Things – Specification**

This PAS specifies a protocol whereby any compliant software client can automatically discover data that is stored within any compliant software server, without either the client or server having to be written to have been explicitly compatible with each other. It applies to the design of services for IoT and the World Wide Web in general, and in particular to the design of applications intended to operate within broad ecosystems such as Smart Cities, as well as specific industry sectors. It aims to break down the vertically-integrated software silos that have previously existed within the IoT industry.

#### **Due 19 January 2016**

##### **EN 16941-1 On-site non-potable water systems - Part 1: Systems for the use of rainwater**

This European Standard specifies the design, sizing, installation, identification, commissioning and maintenance of rainwater harvesting systems for the use of rainwater on-site as a substitute for potable water. This standard also specifies the minimum requirements for these systems.

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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,s please visit: <http://publicreview.csa.ca/>.

#### **Due 2 February 2016**

##### **C22.2 No. 60335-2-72 Household and similar electrical appliances – Safety – Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use** (new standard)

This clause of Part 1 is replaced by the following:

This International Standard deals with the safety of powered ride-on and powered walk-behind machines intended for commercial indoor or outdoor use for the following applications: sweeping, scrubbing, wet or dry pick-up, polishing, application of wax, sealing products and powder based detergents, shampooing of floors with an artificial surface.

##### **C22.2 No. 60335-2-67 Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment machines, for commercial use** (new standard)

This clause of Part 1 is replaced by the following:

This International Standard deals with the safety of powered floor treatment machines intended for commercial indoor or outdoor use for the following applications: scrubbing, wet or dry pick-up, polishing and dry buffing, application of wax, sealing products and powder based detergents, shampooing, stripping, grinding and scarifying of floors with an artificial surface.

#### **Due 5 February 2016**

##### **E60598-1 Luminaires — Part 1: General requirements and tests** (new edition)

This Part 1 of IEC 60598 specifies general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. The requirements and related tests of this standard cover: classification, marking, mechanical construction, electrical construction and photobiological safety.

#### **Due 8 February 2016**

##### **C22.2 No. 123 Metal sheathed cables** (new edition)

This Standard applies to single-conductor and multi-conductor Type RA90 and RC90 cables having a maximum temperature rating of 90°C in both dry and wet locations and intended for installation in accordance with the Rules of the Canadian Electrical Code, Part I.

#### **Due 10 February 2016**

##### **D409 Motor Vehicles for the Transportation of Persons with Physical Disabilities** (new edition)

This standard applies to motor vehicles other than passenger cars (as defined in Section 2 of the Motor Vehicle Safety Act (Canada)) designed and manufactured, or converted, and equipped for the purpose of transporting persons with physical disabilities.

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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.

##### **BSR C63.10-201x, Standard of procedures for compliance testing of unlicensed wireless devices** (revision of ANSI C63.10-2013)

Scope to address editorial corrections, including (a) clarification of terms like “plots” and removal of subclauses no longer deemed necessary; (b) clarification of administrative procedures in clause 5 of C63.10 to address FCC concerns; (c) review of subclause 6.6 for measurements above 40 GHz; (d) review of subclause 7.8 (frequency hoppers) for applicability and harmonization with DTS; (e) review of clause 11 (DTS) for applicability; (f) review of clause 13 (beam steering antennas) for applicability; (g) review and amendment of procedures for UNII due to changes in FCC Rules; and (h) clarification of the mmwave test. Contact: Sue Vogel, [s.vogel@ieee.org](mailto:s.vogel@ieee.org)

##### **BSR/AWS D1.1/D1.1M-201x, Structural Welding Code - Steel** (revision of ANSI/AWS D1.1/D1.1M-2015)

This code covers the welding requirements for any type of welded structure made from the commonly used carbon and low-alloy constructional steels. Clauses 1 through 9 constitute a body of rules for the regulation of welding in steel construction. There are nine normative and eleven informative annexes in this code. A commentary of the code is included with the document.

Contact: Jennifer Molin, [jmolin@aws.org](mailto:jmolin@aws.org)

##### **BSR/AWS D1.2/D1.2M-201x, Structural Welding Code – Aluminum** (revision of ANSI/AWS D1.2/D1.2M-2013)

This code covers the welding requirements for any type structure made from aluminum structural alloys, except for aluminum pressure vessels and pressure piping. Clauses 1 through 8 constitute a body of rules for the regulation of welding in aluminum construction. A commentary on the code is also included with the document.

Contact: Jennifer Molin, [jmolin@aws.org](mailto:jmolin@aws.org)

##### **BSR/AWS D1.7/D1.7M-201x, Guide for Strengthening and Repairing Existing Structures** (revision of ANSI/AWS D1.7/D1.7M-2010)

The guide provides information on strengthening and repairing existing structures. Included are sections on

weldability, evaluation of existing welds, testing and sampling, heat straightening, and damage repair.  
Contact: Jennifer Molin, [jmolin@aws.org](mailto:jmolin@aws.org)

**BSR/AWS D1.8/D1.8M-201x, Structural Welding Code – Seismic Supplement** (revision of ANSI/AWS D1.8/D1.8M-2009)

The provisions of this code supplement the provisions of AWS D1.1/D1.1M, Structural Welding Code - Steel, and shall apply to the design, fabrication, quality control, and quality assurance of welded joints designed in accordance with the AISC Seismic Provisions for Structural Steel Buildings. All provisions of AWS D1.1/D1.1M for statically loaded structures shall apply to the designated welds, except as specifically modified in this standard.

Contact: Jennifer Molin, [jmolin@aws.org](mailto:jmolin@aws.org)

**BSR/CEA 2045.1 Amendment 1-201x, Modular Communications Interface for Firmware Transfer Message Set** (addenda to ANSI/CEA 2045.1-2014)

This specification is an extension of the ANSI/CEA 2045 Modular Communications Interface (MCI) for Energy Management standard. It presents messages and methods that enable reprogramming the SGD firmware over the MCI interface. Project to amend ANSI/CEA 2045.1 entails correcting an error related to the Intermediate DR OpCode1 of 0x09 messaging.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2045.2 Amendment 1-201x, Modular Communications Interface for Generic Display Message Set** (addenda to ANSI/CEA 2045.2-2014)

This specification is an extension of the ANSI/CEA 2045 Modular Communications Interface (MCI) for Energy Management standard. It presents messages and methods that enable generic message display over the MCI interface. Project to amend ANSI/CEA 2045.2 entails correcting an error related to the Intermediate DR OpCode1 of 0x09 messaging.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/IES LM-79-201x, Electrical and Photometric Measurements of Solid-State Lighting Products** (new standard)

This method describes the procedures to be followed and precautions in performing measurements of total luminous flux, electrical power, luminous intensity and chromaticity of SSL products for illumination purposes under standard conditions.

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

**BSR/IES LM-88-201x, IES Approved Method for the Electrical and Photometric Measurements of AC-Driven LEDs** (new standard)

Describes the procedures for accurate measurements of total luminous flux, total radiant flux, photo flux, electrical power, luminous efficacy, chromaticities, and wavelengths of high-power alternating current LEDs, including white and monochromatic AC-LEDs.

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

**BSR/UL 2743-201x, Standard for Portable Power Packs** (new standard)

These requirements cover portable and movable power packs provided with one or more lead acid or lithium ion batteries. The power packs are provided with one or more inputs; and they are provided with one or more outputs. For power packs provided with a booster function, the power packs are used for providing a temporary power source to a depleted land vehicle battery, rated 12 or 24 V, to provide emergency starting power.

Contact: Jeff Prusko, [jeffrey.prusko@ul.com](mailto:jeffrey.prusko@ul.com)

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## Final Actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator, as applicable.

**ANSI/NASBLA 103-2016**, Basic Boating Education - Power (new standard): 18 November 2015

**ANSI/NISO Z39.96-2015**, JATS: Journal Article Tag Suite (revision of ANSI/NISO Z39.96-2012): 19 November 2015

**ANSI/UL 1053-2011 (R2015)**, Standard for Safety for Ground-Fault Sensing and Relaying Equipment (reaffirmation of ANSI/UL 1053 -2011a): 19 November 2015

**INCITS/ISO/IEC TR 18015:2006 [2010]**, Information technology - Programming languages, their environments and system software interfaces - Technical Report on C++ Performance (withdrawal of INCITS/ISO/IEC TR 18015:2006 [2010]): 24 November 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. 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). The notices are sorted by comment deadline, which is the date noted, and then vaguely by alphanumeric designation.

**ISO/DIS 8201**, Acoustics - Audible and other emergency evacuation signals – 21 December 2015

**ISO/DIS 9241-11**, Ergonomics of human-system interaction - Part 11: Usability: Definitions and concepts – 21 December 2015

**ISO/IEC 14496-10/DAmD2**, Information technology - Coding of audiovisual objects - Part 10: Advanced Video Coding - Amendment 2: Additional Levels and Supplemental Enhancement Information – 21 December 2015

**ISO/IEC DIS 23008-2**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding – 21 December 2015

**ISO/IEC 23008-8/DAmD2**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance Specification for HEVC - Amendment 2: Improved HEVC Version 1 and Format Range Extensions Profiles Conformance Testing – 21 December 2015

**ISO/IEC 23008-8/DAmD3**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 8: Conformance Specification for HEVC - Amendment 3: Conformance Testing for Scalable Profiles - 21 December 2015

**ISO/DIS 30409**, Human resource management - Workforce planning – 28 December 2015

**108/630/FDIS, IEC 60990/Ed3**: Methods of measurement of touch current and protective conductor current, 22 January 2016

**56/1653/FDIS, IEC 61882/Ed2**: Hazard and operability studies (HAZOP studies) - Application guide, 29 January 2016

**65A/779/FDIS, IEC 61511-3 Ed. 2.0**: Functional safety – Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels, 29 January 2016

**65E/490/FDIS, IEC 61987-12 Ed. 1.0**: Industrial- Process Measurement and Control - Data Structures and Elements in Process Equipment Catalogues - Part 12: Lists of properties (LOP) for flow measuring equipment for electronic data exchange, 29 January 2016

**ISO/IEC 23008-3/DAmD3**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio - Amendment 3: MPEG-H 3D Audio Phase 2 – 20 February 2016

**ISO/IEC DIS 23009-5**, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 5: Server and network assisted DASH (SAND) – 20 February 2016

**ISO/IEC DIS 36000**, Information Technology - Learning, Education, and Training - Quality for Learning, Education and Training - Fundamentals and Reference Framework – 20 February 2016

**100/2610/CD, IEC 61937-2 Ed.2.0 Amd.2**: Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info (TA 4), 26 February 2016

**100/2611/CD, IEC 61937-14 Ed.1.0**: Digital audio - Interface for nonlinear PCM encoded audio bitstreams applying IEC 60958 - Part 14: Non-linear PCM bitstreams according to the AC-4 format (TA 4), 26 February 2016

**100/2612/CD, IEC 61937-13 Ed.1.0**: Digital audio - Interface for nonlinear PCM encoded audio bitstreams applying IEC 60958 - Part 13: MPEG-H 3D Audio (TA 4), 26 February 2016

**ISO/DIS 2292**, Cocoa beans - Sampling – 27 February 2016

**ISO/DIS 12604-1**, Aircraft ground handling - Checked baggage – Part 1: Mass and dimensions – 28 February 2016

**48B/2466/CD, IEC 62946-01/Ed1**: Connectors for electronic equipment - Part 01: Rectangular connectors - Detail specification for 8-way, shielded, free and fixed high density connectors for data transfer and with current up to 1A, 4 March 2016

**48B/2470/CD, IEC 60512-28-100/Ed2**: Connectors for electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2000 MHz for IEC 60603-7 and IEC 61076-3 series connectors - Tests 28a to 28g, 4 March 2016

**65A/780/DTS, IEC/TS 61508-3-1 Ed. 1.0**: Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3-1: Software requirements - Reuse of pre-existing software elements to implement all or part of a safety function, 4 March 2016

**77A/912/CDV, IEC 61000-3-2 (f2)**: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase), 4 March 2016

**82/1051/DTS, IEC 62257-9-5 TS Ed.3**: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -5: Integrated systems - Selection of stand-alone lighting kits for rural electrification, 4 March 2016

**82/1055/NP**, Photovoltaics (PV) on roof, 4 March 2016

**106/347/CDV, Amendment 1 to IEC 62226-3-1**: Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body - Part 3-1: Exposure to electric fields - Analytical and 2D numerical models - Proposed Horizontal Standard, 4 March 2016

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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 62368-1 Ed. 2.0 b cor.2:2015**, Corrigendum 2 – Audio/video, information and communication technology equipment - Part 1: Safety requirements, \$0.00

**ISO 3266/Amd1:2015**, Forged steel eyebolts grade 4 for general lifting purposes - Amendment 1, \$22.00

**ISO/IEC 14496-10/Amd1:2015**, Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding - Amendment 1: Multi-Resolution frame compatible stereoscopic video with depth maps, additional supplemental enhancement information and video usability information, \$22.00

**ISO/IEC 14496-12:2015**, Information technology - Coding of audiovisual objects - Part 12: ISO base media file format, \$265.00

**ISO/IEC 14496-4/Amd43:2015**, Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 43: 3D-AVC conformance testing, \$22.00

**ISO/IEC 14496-5/Amd36:2015**, Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 36: Pattern-based 3D mesh coding reference software, \$22.00

**ISO/IEC 14496-5/Amd37:2015**, Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 37: New levels for the AAC profiles, uniDRC support, AAC block length parameter corrections, \$22.00

**ISO/IEC 15026-3:2015**, Systems and software engineering – Systems and software assurance - Part 3: System integrity levels, \$149.00

**ISO/IEC 15444-1/Amd7:2015**, Information technology - JPEG 2000 image coding system: Core coding system - Amendment 7: Profiles for an interoperable master format (IMF), \$22.00

**ISO/IEC 15444-12:2015**, Information technology - JPEG 2000 image coding system - Part 12: ISO base media file format, \$265.00

**ISO/IEC 26550:2015**, Software and systems engineering – Reference model for product line engineering and management, \$173.00

**ISO/IEC 26555:2015**, Software and systems engineering - Tools and methods for product line technical management, \$240.00

**ISO/IEC 29155-3:2015**, Systems and software engineering - Information technology project performance benchmarking framework - Part 3: Guidance for reporting, \$123.00

**ISO/IEC 29199-5/Amd1:2015**, Information technology - JPEG XR image coding system - Part 5: Reference software - Amendment 1: Extension of the Reference Software: Support for the Boxed Based File Format, \$22.00

**ISO/IEC TR 23008-13:2015**, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 13: MMT implementation guidelines, \$240.00

**ISO/IEC TR 29110-5-6-1:2015**, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 5-6-1: Systems engineering - Management and engineering guide: Generic profile group: Entry profile, \$200.00

**ISO/IEC TS 18508:2015**, Information technology - Additional Parallel Features in Fortran, \$240.00

**ISO/IEC TS 20071-21:2015**, Information technology - User interface component accessibility - Part 21: Guidance on audio descriptions, \$149.00

**ISO/PAS 19695:2015**, Motorcycles - Functional safety, \$173.00

## TSP Meeting Schedule

The next set of face-to-face TSP meetings is scheduled to be held at the Marriott Solana in Westlake, Texas. The most up-to-date meeting schedule is available at <http://tsp.plasa.org/tsp/meetings/index.php>.

Control Protocols Automation Study Group	15:00 – 18:00	Saturday 30 January 2016
Control Protocols BSR E1.20 RDM TG	10:00 – noon	Sunday 31 January 2016
Control Protocols BSR E1.33 RDMnet TG	13:00 – 16:00	Sunday 31 January 2016
Control Protocols BSR E1.37-5 TG	13:00 – 15:00	Saturday 30 January 2016
Control Protocols NA Plugfest TG	19:00 – 21:00	Friday 29 January 2016
Control Protocols Working Group	09:00 – noon	Saturday 30 January 2016
Electrical Power Working Group	09:00 - noon	Friday 29 January 2016
Plugfest	16:00 – 23:00	Friday 29 January 2016
	09:00 – 23:00	Saturday 30 January 2016
	09:00 – 23:00	Sunday 31 January 2016
	09:00 - noon	Monday 1 February 2016
Rigging Working Group	14:00 - 18:00	Friday 29 January 2016
Rigging BSR E1.56 TG	19:00 – 23:00	Thursday 28 January 2016
Stage Lifts Working Group	19:00 - 23:00	Friday 29 January 2016
Technical Standards Council	09:00 - noon	Sunday 31 January 2016

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## ESTA Standards News

is distributed as a benefit to ESTA members and as a project announcement medium for ESTA's Technical Standards Program.

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