

# PLASA Standards News

Late August 2013

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## Table of Contents

ANSI E1.21 Adopted in Kentucky Code.....	1
ANSI Approves E1.45 as an American National Standard .....	1
TSP Meeting Guide Revised.....	2
Four PLASA Standards Still in Public Review.....	2
RDM Stand at PLASA 2013.....	2
H.R. 2911 Enters Subcommittee.....	3
BSI Public Review Announcements.....	3
Due 31 October 2013.....	3
CSA Public Review Announcements.....	3
Due 10 September 2013.....	3
Due 24 September 2013.....	3
Due 1 October 2013.....	3
WTO Notifications.....	3
ANSI Public Review Announcements.....	4
Due 15 September 2013.....	4
Due 30 September 2013.....	4
Final Actions on American National Standards.....	5
Draft IEC & ISO Documents.....	6
Recently Published IEC & ISO Documents.....	6
Withdrawn from Consideration.....	6
TSP Meeting Schedule.....	6

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## ANSI E1.21 Adopted in Kentucky Code

Back in the Winter 2012 edition of Protocol, a sidebar article appeared as part of the TSP News 2011 Wrap-up, urging PLASA members to promote our standards development efforts by collaborating with local jurisdictions. These opportunities don't come easy or often, but when they do we should take advantage of them, because sowing a few seeds in the right place can yield stunning results, even if those results take time to grow. That's what happened in Kentucky on August 2nd this year when the 2013 Kentucky Building Code was officially adopted by legislature.

In early 2011, the Kentucky Building Commission began efforts to revamp its temporary structures permit and enforcement procedures by inviting several industry and enforcement specialists to participate in a study of existing codes, and to suggest implementations that would both help increase safety of temporary structures while improving efficiency of the permitting process. Those suggestions included mandatory compliance of temporary roof structures with ANSI E1.21. Section 430.16.2 of the 2013 KBC, now in effect, contains that requirement. This may be the first official code adoption of the standard since its acceptance as an ANSI standard in 2006. A link to the full text of the code and more information about the Kentucky Department of Housing, Buildings and Construction is available at <http://www.dhbc.ky.gov>.

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## ANSI Approves E1.45 as an American National Standard

On 27 August 2013, the ANSI Board of Standards Review approved the acceptance of ANSI E1.45-2013 Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A), as an American National Standard. ANSI E1.45 defines a minimal method to transport IEEE 802 data frames unidirectionally over

ANSI E1.11 physical links using an Alternate START Code. The primary motivation is to allow communication of 802 data to luminaires - over an ANSI E1.11 DMX512-A datalink - for data transmission by those luminaires using Visible Light Communication, IEEE 802.15.7. However, this standard may be used to transport any 802 data for any purpose.

The official document will be available for download at <http://www.tsp.plasa.org/freestandards> within two weeks of this publication. As with all of PLASA's published standards, it will be available to download free of charge courtesy of Prosight Specialty Insurance.

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## TSP Meeting Guide Revised

The Technical Standards Program has updated its Meeting Guide. This document contains detailed information on how to announce and run TSP working group meetings. It also contains information on minutes taking, meeting format, voting procedures and other meeting procedures. The guide is designed to clarify information found in PLASA's Policies and Procedures, and while it is designed for use by a person conducting the meeting, it contains useful information that may be of interest to attending members.

To download a PDF of the Meeting Guide or of the Policies and Procedures, please visit [http://tsp.plasa.org/tsp/documents/procedural\\_docs.html](http://tsp.plasa.org/tsp/documents/procedural_docs.html).

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## Four PLASA Standards Still in Public Review

Four PLASA standards are still posted to the Technical Standard Public Review Page at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php). This is the final call for comments on BSR E1.48, which are due no later than 2 September 2013. The other three standards have a review end date of 8 October 2013, which means that after 7 October 2013 comments may not be submitted because the reviews have ended.

**BSR E1.4 - 201x, Entertainment Technology — Manual Counterweight Rigging Systems**, describes the design, construction, and installation of manually powered counterweight rigging systems used in theatres to support and move scenery and lighting equipment. The 2009 edition of the standard is being revised to include additional essential safety requirements.

**BSR E1.37-2 - 201x, Additional Message Sets for ANSI E1.20 (RDM) – Part 2, IPv4 & DNS Configuration Messages**, provides additional get/set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol. Messages in this document are intended for configuring network interfaces and Domain Name System settings on devices with an IPv4 address.

**BSR E1.44 – 201x, Common Show File Exchange Format For Entertainment Industry Automation Control Systems – Stage Machinery**, defines a common show file format for the exchange of automation control data between control systems by different manufacturers of stage machinery.

**BSR E1.48 - 201x, A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry**, in public review. E1.48 was posted earlier, and remains in public review only through 2 September 2013. This document specifies a more accurate luminous efficiency function for light meters, which is particularly important when measuring the light output of RGB LED luminaires.

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## RDM Stand at PLASA 2013

The EU developers of Remote Device (RDM) Management, along with the PLASA TRO, will again be hosting an RDM demonstration booth to promote the virtues of installing RDM-compliant equipment. As with last year's success, manufacturers will have the opportunity to showcase their RDM-enabled equipment.

The UK Health and Safety Executive has been made aware of this technology and will be looking closely at how, when compliant equipment is used in lighting or other effects, the need to work at height is reduced making RDM a possible control measure for safer working.

Manufacturers wishing to know more about the sponsorship opportunities for space on the RDM stand for their equipment should contact the PLASA Technical Resources Manager via [ron.bonner@plasa.org](mailto:ron.bonner@plasa.org).

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## **H.R. 2911 Enters Subcommittee**

H.R. 2911, *The Wireless Microphone Users Interference Protection Act of 2013*, was introduced in the House of Representatives on August 1 and referred to the Subcommittee on Communications and Technology on the 2nd. The bill would require the FCC in the United States to establish safe haven channels for wireless microphone users. More information about the bill and its current status is available at <http://beta.congress.gov/bill/113th/house-bill/2911>. Stay tuned, and keep those cards and letters coming to your elected representative!

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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 31 October 2013**

### **BS 8590 Code of practice for the installation of audiovisual equipment:**

This British Standard gives recommendations for the installation of audio visual (AV) systems and equipment. It does not cover the system design, the specification of individual components, nor their performance as an installed system. It is for use for installations comprising of a significant AV component such as computers, projectors, whiteboards, large format displays, monitors, loudspeakers, and light arrays.

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

**Due 10 September 2013**

### **W47.1-09 Certification of companies for fusion welding of steel (Amendment)**

The current W47.1 Standard has been opened for revision to include clause additions and annexed information regarding requirements for certification of companies.

**Due 24 September 2013**

### **Z259.17 Audio, video and similar electronic apparatus – Safety requirements (Amendment)**

This Standard applies to power-operated radio transmitting equipment designed to be used on standard supply circuits in accordance with the rules of the Canadian Electrical Code Part I including all types of radio transmitting equipment irrespective of the type of modulation employed. This standard applies to installations of general non-commercial and commercial purposes, including installations under the jurisdiction of skilled operators.

### **Z259.17 Selection and use of active fall protection equipment and systems (New Standard)**

This standard specifies requirements for the selection, use, and application of active fall protection equipment and systems.

**Due 1 October 2013**

### **Z259.16 Design of Active Fall Protection Systems (New Edition)**

This standard is intended for professional engineers with expertise in designing fall-protection systems. It specifies requirements for the design and performance of complete active fall-protection systems, including travel-restraint and vertical and horizontal fall-arrest systems.

## WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced a few notices as a WTO Technical Barrier to Trade that may be of interest to *Standards News* readers. If you have a problem with a WTO TBT notification, you can protest it 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 information about handling WTO TBT objections in Europe.

### United States Notice USA/517/Add.4

**Date issued:** 23 August 2013

**Agency responsible:** Office of Energy Efficiency and Renewable Energy, Department of Energy.

**Title:** Energy Conservation Program: Energy Conservation Standards for Metal Halide Lamp Fixtures

**Summary:** The Energy Policy and Conservation Act of 1975 (EPCA), as amended, prescribes energy conservation standards for various consumer products and certain commercial and industrial equipment, including metal halide lamp fixtures. EPCA also requires the U.S. Department of Energy (DOE) to determine whether more-stringent, amended standards would be technologically feasible and economically justified, and would save a significant amount of energy. In this notice, DOE proposes amended energy conservation standards for metal halide lamp fixtures.

**Action:** A public meeting to receive comments on these proposed standards and associated analyses and results is to be held on 27 September 2013, from 9 a.m. to 4 p.m., in Washington, DC. The meeting will also be broadcast as a webinar. DOE will accept comments, data, and information regarding this notice of proposed rulemaking before and after the public meeting, but no later than 21 October 2013.

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

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

**Final date for comments:** 21 October 2013

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## ANSI Public Review Announcements

The following recent ANSI public review announcements are likely to be of interest to *Standards News* readers. Please send your comments, before the deadline, to the person indicated and to the Board of Standards Review at the American National Standards Institute at [psa@ansi.org](mailto:psa@ansi.org).

### Due 15 September 2013

#### **BSR/UL 1989-201x, Standby Batteries (new standard)**

UL 1989 is being proposed for approval as an American National Standard. For more information or submit comments please contact Megan VanHeirseele at [Megan.M.VanHeirseele@ul.com](mailto:Megan.M.VanHeirseele@ul.com).

#### **BSR/UL 1699-201x, Standard for Safety for Arc-Fault Circuit-Interrupters (Bulletin dated August 16, 2013) (revision of ANSI/UL 1699-2011b)**

Clarification of requirements for programmable components. For more information or to submit comments please contact Edward Minasian at [Edward.D.Minasian@ul.com](mailto:Edward.D.Minasian@ul.com).

#### **BSR/UL 5085-1-201x, Standard for Safety for Standard for Low Voltage Transformers - Part 1: General Requirements (revision of ANSI/UL 5085-1-2012)**

Addition of requirements for double insulation. For more information or to submit comments please contact Patricia Sena at [patricia.a.sena@ul.com](mailto:patricia.a.sena@ul.com).

### Due 30 September 2013

#### **BSR/AMCA 300-201x, Reverberant Room Method for Sound Testing of Fans (revision of ANSI/AMCA 300-2008)**

This standard applies to fans of all types and sizes. This standard is limited to the determination of airborne sound emission for the specified setups. Vibration is not measured, nor is the sensitivity of airborne sound emission to vibration effects determined. This public review is limited to the changes made since the previous public review of Standard 300. To obtain an electronic copy or submit comments please contact John Pakan at [jpakan@amca.org](mailto:jpakan@amca.org).

#### **BSR/ASA S1.1-201x, Acoustical Terminology (revision and redesignation of ANSI S1.1-1994 (R2004))**

This standard provides definitions for a wide variety of terms, abbreviations, and letter symbols used in acoustics and electroacoustics. Terms of general use in all branches of acoustics are defined, as well as

many terms of special use for architectural acoustics, acoustical instruments, mechanical vibration and shock, physiological and psychological acoustics, underwater sound, sonics and ultrasonics, and music. To obtain an electronic copy or submit comments please contact Susan Blaeser at [sblaeser@aip.org](mailto:sblaeser@aip.org).

**BSR ASIS CSO.1-201x, Chief Security Officer (CSO) - An Organizational Model (revision of ANSI ASIS CSO.1-2008)**

This model is applicable to the private, public, and not-for-profit sector organizations. The model provides a structure to evaluate and define the role and necessary aptitude for the security/risk management function in an organization. It provides a methodology to evaluate and respond to a dynamic spectrum of threats to tangible and intangible assets on both a domestic and global basis. To obtain an electronic copy or submit comments contact Aivelis Opicka at [aivelis.opicka@asisonline.org](mailto:aivelis.opicka@asisonline.org).

**BSR/ESD STM97.1-201x, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Floor and Materials and Footwear - Resistance Measurement in Combination with a Person (revision of ANSI/ESD STM97.1-1999 (R2006))**

This document establishes test methods for measuring the electrical system resistance of floor materials in combination with persons wearing static control footwear, shoes or other methods where protection of ESD susceptible items is required. Obtain an electronic copy and submit comments to Christina Earl at [cearl@esda.org](mailto:cearl@esda.org).

**BSR/ESD STM97.1-201x, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Floor and Materials and Footwear - Resistance Measurement in Combination with a Person (revision of ANSI/ESD STM97.1-1999 (R2006))**

This document establishes test methods for measuring the electrical system resistance of floor materials in combination with persons wearing static control footwear, shoes or other methods where protection of ESD susceptible items is required. Obtain an electronic copy and submit comments to Christina Earl at [cearl@esda.org](mailto:cearl@esda.org).

**BSR/UL 924-201x, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2011)**

Proposals to (1) expand scope to include means of egress lighting controls; (2) expand definition of Class 2 circuits to refer to UL 2054; (3) clarify sign definitions with regard to text and graphical symbol options and the difference between EXIT and other types of sign legends; (4) update voltage limits for risk of electric shock to align with the NEC; (5) clarify the battery compartment ventilation test and application of the associated marking; (6) updated battery requirements to reflect developments in battery technology and standards; (7) derangement signals should change status when identified triggers occur; (8) self-testing / self-diagnostic equipment revision to align with NFPA 101; (9) disconnect means for equipment with batteries and remote load connections; (10) graphical symbol exit signs; (11) revise non-energized contrast measurement test to address when the color scheme of the directional indicators and legend is identical; (12) exit sign marking to indicate rated viewing distance; (13) for the battery discharge test, clarify that recharging of the battery should occur automatically, without separate manual intervention; (14) clarification of the dielectric voltage withstand test; (15) revise requirements for field installed emergency battery packs; (16) activation lamp parameters for photoluminescent materials; (17) marking for photoluminescent signs; (18) maximum mounting height marking for emergency luminaires; and (19) miscellaneous revisions and corrections.

Obtain an electronic copy at <http://www.comm-2000.com>

Send comments to Barbara Davis at [Barbara.J.Davis@ul.com](mailto:Barbara.J.Davis@ul.com).

**BSR/UL 1681-201X, Standard for Safety for Wiring Device Configurations (revision of ANSI/UL 1681-2012)**

Proposed addition of Figure C4.1 denoting the configuration of a 2-pole, 3-wire, grounding attachment plug rated 15A, 125V and employing a polarized neutral blade profile.

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

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

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## Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

**ANSI/ASTM E2257-2013a**, Test Method for Room Fire Test of Wall and Ceiling Materials and Assemblies (revision of ANSI/ASTM E2257-2008): 1 August 2013.

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## Draft IEC & ISO Documents

The International Electrotechnical Commission (IEC) and the International Organization for Standardization (ISO) are considering the following documents for approval. The documents are available from your nation's representative organization to the IEC and ISO. Comments should be sent via your representative before the deadline date shown. Comments from citizens of the United States of America on IEC drafts should be sent to Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org), and comments on ISO drafts should be sent to Rachel Howenstine at [isot@ansi.org](mailto:isot@ansi.org). The final date for offering comments is listed.

**ISO/DIS 16237**, Mechanical joining - Destructive testing of joints - Specimen dimensions and test procedure for cross-tension testing of single joints – 15 November 2013

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## Recently Published IEC & ISO Documents

Listed here are documents recently approved by the International Electrotechnical Commission and the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org).

**ISO 4241:2013**, Cinematography - Theatre projection leader, trailer and cue marks - Specifications, \$90.00

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## Withdrawn from Consideration

The following projects have been withdrawn:

**BSR/ASTM F609-201x, Test Method for Using a Horizontal Pull Slipmeter (HPS) (new standard)**  
Inquiries may be directed to Karen Wilson at [accreditation@astm.org](mailto:accreditation@astm.org).

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## TSP Meeting Schedule

The Stage Lifts Working Group normally meets by Webex on the second Monday of each month. For more information, contact Kurt Pragman at [kurt@pragmanassociates.com](mailto:kurt@pragmanassociates.com).

The following meetings will be held at the Las Vegas Hotel in conjunction with the LDI trade show. Please note that additional task group meetings may be added, and that this schedule is subject to revision.

Control Protocols Working Group	09:00 - 13:00	Thursday 21 November 2013
CPWG E1.33 RDMnet Task Group	10:30 - 18:00	Monday 25 November 2013
Electrical Power Working Group	19:00 - 23:00	Friday 22 November 2013
Floors Working Group	14:00 - 17:00	Thursday 21 November 2013
Fog & Smoke Working Group	09:00 - 11:00	Wednesday 20 November 2013
Photometrics Working Group	08:00 - 10:00	Friday 22 November 2013
Rigging Working Group	19:00 - 23:00	Wednesday 20 November 2013
Rigging E1.47 Inspections Task Group	08:00 - noon	Wednesday 20 November 2013
	08:00 - noon	Thursday 21 November 2013
Technical Standards Council	13:00 - 17:00	Wednesday 20 November 2013

The following meetings will be held at the D/FW Marriott Solana in Westlake, Texas:

Control Protocols Working Group	09:00 - 13:00	Sunday 19 January 2014
Electrical Power Working Group	09:00 - noon	Saturday 18 January 2014
Floors Working Group	14:00 - 17:00	Thursday 21 November 2013
Working Group Chairs	14:00 - 18:00	Saturday 18 January 2014
Rigging Working Group	19:00 - 23:00	Saturday 18 January 2014
Technical Standards Council	09:00 – 13:00	Monday 20 January 2014

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## PLASA Standards News

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

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