

# PLASA Standards News

Late July 2011    Volume 15, Number 14

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## **Performance Floor Shock Absorption Standard in Public Review for Reaffirmation**

**ANSI E1.26 - 2006**, *Entertainment Technology – Recommended testing methods and values for shock absorption of floors used in live performance venues*, is in public review for reaffirmation. The document defines an acceptable shock absorption testing method for floors used by performers in live performance venues. Floors that are too stiff or too flexible can lead to performer injuries or to excessive effort in dancing and performing. It also offers a range of values that have been found to be acceptable for some floors. Examples of "live performance venues" include theatre stages, drama rehearsal studios, and dance studios. Reaffirmation would make no substantive changes to the standard.

The public review response form and instructions are available for free at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php). The standard itself is available for purchase from The ESTA Foundation at <http://www.estafoundation.org/pubs.htm>. List price is \$40.00 for the general public and \$30.00 for PLASA members. The official ANSI review period is from 15 July through 29 August 2011, but responses will be accepted now. The review is over when the "Review End Date" of 30 August UTC starts.

## **ANSI Approves E1.28, Guidance for Followspot Position Planning**

On July 12 the ANSI Board of Standards Review gave final approval to the E1.28 project, creating ANSI E1.28 - 2011, *Guidance on planning followspot positions in places of public assembly*. Publication will be in late August. The standard will be sold through [The ESTA Foundation](http://www.estafoundation.org) and other vendors. Purchases made through The ESTA Foundation help support the Foundation's charitable work.

ANSI E1.28 offers guidance on the planning of permanent followspot positions. It is a guidance document, not a mandatory compliance document. The document offers recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated and needing to be removed by ventilation or AC, the amount of space likely to be needed, and the fall protection and egress issues to be considered for the operators' safety, among other things. The E1.28 document was developed at the urging of some followspot vendors and users, who found that some performance venues are built without competent design advice or in disregard for that advice, and the resulting followspot positions are sometimes unusable or dangerous.

## **ANSI E1.25 To Be Revised**

At its meeting on Friday, July 22, the Photometrics Working Group voted to revise ANSI E1.25 - 2006, *Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface*. The project is to revise the document so that it explicitly offers recommendations for luminaires with LED sources. The revisions are expected to be minor. There are recommended conditions in the existing document that are appropriate for LED luminaires; the job is to specify which those are.

Anyone objecting to the revision project is hereby invited to state his or her objection by writing to [standards.na@plasa.org](mailto:standards.na@plasa.org) before the end of the day August 25. Anyone interested in joining the Photometrics

Working Group to participate in this project as a working group member is invited to do so by visiting [http://tsp.plasa.org/tsp/working\\_groups/index.html](http://tsp.plasa.org/tsp/working_groups/index.html) and downloading, filling out, and submitting the application form available there. The working group membership currently has four manufacturers, one dealer/rental company, two general interest, one designer, and one user, so the balance would be improved by dealer/rental companies, designers, or users joining, but not by more manufacturers.

## **Rigging Working Group Votes to Revise E1.8 and Start a New E1.44**

At its Thursday 21 July meeting, the Rigging Working Group voted to start the process of revising ANSI E1.8 - 2005, *Entertainment Technology — Loudspeaker Enclosures Intended for Overhead Suspension — Classification, Manufacture and Structural Testing*, and to start a new project, BSR E1.44 - 201x, *Common Show File Exchange Format for Entertainment Industry Automation Control Systems — Stage Machinery*. The E1.8 revision is being driven by two things: (1) the standard is old enough that ANSI requires us to reaffirm it, revise it, or withdraw it; and (2) speaker construction has evolved since the E1.8 project first started, so we should review the requirements. The BSR E1.44 project has been started to help simplify touring shows that have automated stage machinery. If the stage automation control equipment doesn't travel with the show—and it often doesn't—putting a show into a theatre often means rewriting the automation cues. A common, non-manufacturer-specific show file format would help tame that task.

Anyone objecting to these projects or wishing to point out conflicts with existing standards is hereby invited to state his or her objection by writing to [standards.na@plasa.org](mailto:standards.na@plasa.org) before the end of the day August 25. Anyone interested in joining the Rigging Working Group to participate in these projects as a working group member is invited to do so by visiting [http://tsp.plasa.org/tsp/working\\_groups/index.html](http://tsp.plasa.org/tsp/working_groups/index.html) and downloading, filling out, and submitting the application form available there. The working group membership currently has plenty of manufacturers but a dearth of designers, so we are seeking more members in that interest category. However, manufacturers that make speaker enclosures also would be welcome.

## **Strobes Are Effects, Not Luminaires**

The Technical Standards Office received a phone call recently from the father of a young woman who is susceptible to photic-induced seizures. They had attended a concert together where a warning that strobeflights were being used was displayed. The young woman asked the lighting board operator about the strobeflights, and was assured that they were not likely to be a problem. They were used sparingly, weren't aimed at the audience, and so on. Indeed, the strobeflights were not a problem, but the very bright automated lights that were aimed at the audience and strobed at a rate between 3 and 30 Hz were. When they came on, the woman quickly understood that she needed to leave the venue, and did.

The message here is that strobeflights are a lighting effect, not a piece of equipment; producers and lighting designers should be aware of this. Bright, repetitiously flashing lights will be a problem for people who are susceptible to photic-induced seizures, regardless of whether the light source is a low-pressure xenon flash tube or not. Photosensitive epilepsy is not common, so the portion of a general audience that is susceptible is not large, but a touring show seen by many tens of thousands of people probably will be seen by more than a few people who have this problem. They should be warned of any strobing lights, no matter what the type of light source, and designers should keep in mind that some flashing effects will be much more than a little annoying for some members of the audience.

More information about photic-induced seizures is available at <http://www.epilepsyfoundation.org/about/photosensitivity/index.cfm> and <http://www.epilepsyfoundation.org/about/photosensitivity/gerba.cfm>.

## **IESNA's Limited-Time Offer!**

TM-23-11, *Lighting Control Protocols*, is a technical memorandum written with the goal of increasing the basic level of understanding among the various members of the lighting community about the possibilities of control as well as potential applications for those technologies. According to the scope statement in the document, "this increased baseline knowledge will encourage greater coordination among disciplines and

will allow the continued integration of lighting control with other major building systems. Greater integration will ultimately lead to more efficient and healthier buildings enhancing the experience of the built environment for more people."

You can buy TM-23-11 at [http://www.techstreet.com/standards/ies/tm\\_23\\_11?product\\_id=1800148](http://www.techstreet.com/standards/ies/tm_23_11?product_id=1800148) for a list price of \$45 or an IESNA member price of \$31.50, but for a limited time you download it for free from [http://www.ies.org/PDF/Store/TM-23-11\\_FINAL.pdf](http://www.ies.org/PDF/Store/TM-23-11_FINAL.pdf).

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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, [psa@ansi.org](mailto:psa@ansi.org).

### Due 29 August 2011

**BSR MH16.1-201x, Design, Testing and Utilization of Industrial Steel Storage Racks** (revision of ANSI MH16.1-2008)

Applies to industrial pallet racks, movable shelf racks, and stacker racks made of cold-formed or hot-rolled steel structural members. This standard does not apply to other types of racks, such as drive-in or drive-through racks, cantilever racks, portable racks, etc. or to racks made of material other than steel.

Order from and send comments to: Michael Ogle, [mogle@mhia.org](mailto:mogle@mhia.org)

Single copy price: \$10.00

**BSR/NECA 104-201x, Standard for Installing Aluminum Building Wire and Cable** (revision of ANSI/NECA 104-2006)

Describes installation procedures and design considerations for aluminum building wire and cable in residential, commercial, institutional, and industrial applications not exceeding 600 volts.

Order from and send comments to: Michael Johnston, [am2@necanet.org](mailto:am2@necanet.org)

Single copy price: \$40.00

**BSR/NECA 120-201x, Standard for Installing Armored Cable (Type AC) and Metal-Clad Cable (Type MC)** (revision of ANSI/NECA 120-2005)

National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Order from and send comments to: Michael Johnston, [am2@necanet.org](mailto:am2@necanet.org)

Single copy price: \$40.00

**BSR C78.357-201x, Tungsten Halogen Lamps (non-vehicle)** (revision, redesignation and consolidation of ANSI C78.MR11-2-1997 (R2007), C78.1413-2001 (R2006), C78.1417-1997 (R2007), C78.1421-2002 (R2007), and C78.24-2001 (R2006))

Specifies performance requirements for various single-ended, double-ended, integral reflector, and PAR tungsten halogen lamps, with rated voltages up to 277 V, and used for projection, photographic, (floodlight), special-purpose, general lighting service (GLS), and stage-studio lighting applications.

Order from and send comments to: Randolph N. Roy, [ran\\_roy@nema.org](mailto:ran_roy@nema.org)

Single copy price: \$At cost + [sic]

### Due 5 September 2011

**BSR/UL 1439-201x, Standard for Safety for Tests for Sharpness of Edges on Equipment** (new standard)

Requesting ANSI approval of the fourth edition of the Standard for Tests for Sharpness of Edges on Equipment, UL 1439.

Order from: comm2000, <http://www.comm-2000.com>  
Send comments to: Camille Alma, [Camille.A.Alma@us.ul.com](mailto:Camille.A.Alma@us.ul.com)  
Single copy price: Contact comm2000 for pricing and delivery options

**BSR/UL 1472-2006 (R201x), Standard for Safety for Solid-State Dimming Controls** (reaffirmation of ANSI/UL 1472-2006)

Covers permanently installed devices that employ a dimming function intended for control of lighting loads of the ballast, transformer, or tungsten-filament type, rated 600 volts ac or less, for installation on a 20-ampere or less branch circuit, touch dimmers rated 120 volts ac or less for installation on a 20-ampere or less branch circuit and electronic switches, having a minimum power rating of 300 watts or 300 voltamperes in increments of 50 watts or 50 volt-amperes and are intended to be installed in a wallbox or are provided with an enclosure for flush or surface mounting in accordance with the CEC, and the NEC.

Order from: comm2000, <http://www.comm-2000.com>  
Send comments to: Jeffrey Prusko, [jeffrey.prusko@us.ul.com](mailto:jeffrey.prusko@us.ul.com)  
Single copy price: Contact comm2000 for pricing and delivery options

**Due 20 September 2011**

**BSR/IEEE 802.15.7-201x, Standard for Short-Range Wireless Optical Communication using Visible Light** (new standard)

Defines a PHY and MAC layer for short-range optical wireless communications using visible light in optically transparent media. The visible light spectrum extends from 380 to 780 nm in wavelength. The standard is capable of delivering data rates sufficient to support audio and video multimedia services and also considers mobility of the visible link, compatibility with visible-light infrastructures, impairments due to noise and interference from sources like ambient light and a MAC layer that accommodates visible links.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>  
Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)  
Single copy price: \$206.00

**BSR/IEEE 802.22-201x, Standard for Wireless Regional Area Networks - Part 22: Cognitive Wireless RAN Medium Access Control** (new standard)

Specifies the air interface, including the cognitive medium access control layer (MAC) and physical layer (PHY), of fixed point-to-multipoint wireless regional area networks comprised of a professional fixed base station with user terminals operating in the VHF/UHF TV broadcast bands between 54 MHz to 862 MHz.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>  
Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)  
Single copy price: \$510.00

**BSR/IEEE 802.15.4-201x, Standard for Local and Metropolitan Area Networks - Part 15.4: Low-Rate Wireless Personal Area Networks** (revision of ANSI/IEEE 802.15.4-2006)

Defines the physical layer (PHY) and medium access control (MAC) sublayer specifications for low-data-rate wireless connectivity with fixed, portable, and moving devices with no battery or very limited battery consumption requirements typically operating in the personal operating space (POS) of 10 m.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>  
Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)  
Single copy price: \$210.00

**BSR/IEEE 802.1Qaz-201x, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Enhanced** (addenda to ANSI/IEEE 802.1Q-2011)

Defines enhancements to transmission selection to support allocation of bandwidth among traffic classes, plus a protocol for controlling the application of Data Center Bridging features.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>  
Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)  
Single copy price: \$135.00

**BSR/IEEE 802.1Qbb-201x, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Priority** (addenda to ANSI/IEEE 802.1Q-2011)

Specifies protocols, procedures, and managed objects that enable flow control per traffic class on IEEE 802 point-to-point full duplex links. This is achieved by a mechanism similar to the PAUSE in IEEE 802.3 Annex 31B, but operating on individual priorities.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>

Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

Single copy price: \$88.00

**BSR/IEEE 802.1Qbe-201x, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Multiple** (addenda to ANSI/IEEE 802.1Q-2011)

Specifies protocols, procedures, and managed objects to support topology change signaling to alter the binding (held in an I-Component) of Customer addresses to Backbone addresses on a per-I-SID basis. This is accomplished by extending the use of the Multiple Registration Protocol (MRP).

Order from: 1-800-678-4333, <http://standards.ieee.org/store>

Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

Single copy price: \$93.00

**BSR/IEEE 802.1Qbc-201x, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment** (addenda to ANSI/IEEE 802.1Q-2011)

Specifies the use of S-VLANs to provide customer service interfaces in one Provider Bridged Network for customer-interface LANs attached to another Provider Bridged Network.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>

Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

Single copy price: \$211.00

**BSR/IEEE 802.3bd-201x, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local** (addenda to ANSI/IEEE 802.3-2008)

Defines a MAC Control Frame to support 802.1Q Priority-Based Flow Control.

Order from: 1-800-678-4333, <http://standards.ieee.org/store>

Send comments to: Karen Evangelista, [k.evangelista@ieee.org](mailto:k.evangelista@ieee.org)

Single copy price: \$57.00

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## IEC & ISO Draft International Standards

ANSI has announced that the International Electrotechnical Commission and the International Organization for Standardization is considering the approval of the draft standards listed below. Comments regarding IEC draft standards from U.S. constituents should be sent to Charles T Zegers at ANSI's New York offices ([czegers@ansi.org](mailto:czegers@ansi.org)) Comments regarding ISO draft standards from U.S. constituents should be sent to Rachel Howenstine at ANSI's New York offices ([isot@ansi.org](mailto:isot@ansi.org)). Citizens of other nations should file their comments with their IEC and ISO representatives. The final date for offering comments is listed for each draft. The prices shown (when shown) are the prices for purchase from ANSI's Customer Service at [sales@ansi.org](mailto:sales@ansi.org).

**ISO/DIS 668**, Series 1 freight containers - Classification, dimensions and ratings. 6 October 2011, \$71.00

**ISO/DIS 17451-1**, Packaging - Numeric Codification of Contents for Electronic Inventories and Manifests of Household Goods and Personal Effects Shipments - Part 1: Messaging and coding of inventory numbers, locations and exceptions. 13 October 2011, \$88.00

**ISO/IEC 29500-1/DAmD1**, Information technology - Document description and processing languages - Office Open XML File Formats - Part 1: Fundamentals and Markup Language Reference - Draft Amendment 1. 14 October 2011, \$165.00 (Despite the name, this is not an OpenOffice.org file format; it's a Microsoft Office format.)

**ISO/IEC 29500-4/DAmD1**, Information technology - Document description and processing languages - Office Open XML File Formats - Part 4: Transitional Migration Features - Draft Amendment 1. 14 October 2011, \$165.00 (Despite the name, this is not an OpenOffice.org file format; it's a Microsoft Office format.)

**34C/964/FDIS, IEC 62386-209 Ed.1**: Digital addressable lighting interface - Part 209: Particular requirements for control gear - Colour control (device type 8). 13 May 2011

**CIS/A/941/FDIS, CISPR 17 Ed.2**: Methods of measurement of the suppression characteristics of passive EMC filtering devices. 13 May 2011

**CIS/A/942/FDIS, CISPR 16-4-2 Ed.2**: Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty. 13 May 2011

**22E/129/FDIS, IEC 61204-3 Ed.2**: Low voltage power supplies, d.c. output - Part 3: Electromagnetic compatibility (EMC). 6 May 2011

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## New ANS Projects

ANSI has announced the following new projects that might affect the business of *Standards News* readers. Please contact the person listed if you are interested in more information or in becoming involved. You also may contact the developer if you object to the project and wish it to be abandoned, or if you would like to point out that its scope is covered by an existing standard, so the project might be redundant or conflicting.

**BSR/IEEE 802.1Qbp-201x, Standard for Local and Metropolitan Area Networks -Virtual Bridged Local Area Networks Amendment: Equal Cost Multiple Paths (ECMP)** (addenda to ANSI/IEEE 802.1Q-2011) Specifies protocols, procedures, and managed objects to support utilizing multiple possible next hop choices for frames within a single service in Shortest Path Bridging MAC Mode (SPBM) networks.  
Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/IEEE 802.16-201x, Standard for Air Interface for Broadband Wireless Access Systems** (revision of ANSI/IEEE 802.16-2009)  
Specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of combined fixed and mobile point to multipoint broadband wireless access (BWA) systems providing multiple services. The MAC is structured to support the WirelessMAN-SC, WirelessMAN-OFDM, and WirelessMAN-OFDMA PHY specifications, each suited to a particular operational environment.  
Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/IEEE 1730.1-201x, Recommended Practice for Distributed Simulation Engineering and Execution Process (DSEEP) Multi-Architecture Overlay (DMAO)** (new standard)  
Defines the issues that are either unique to or exacerbated by the use of multiple simulation architectures in the same simulation environment, along with recommended actions for properly addressing these issues.  
Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/IEEE 1900.6a-201x, Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems - Amendment: Procedures, Protocols and Data Archive Enhanced Interfaces** (addenda to BSR/IEEE 1900.6-2011)  
Adds procedures, protocols and message format specifications for the exchange of sensing related data, control data and configuration data between spectrum sensors and their clients. In addition, this standard adds specifications for the exchange of sensing related and other relevant data and specifies related interfaces between the data archive and other data sources.  
Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/IEEE 20000-1-201x, Information technology - Service management - Part 1: Service management system requirements** (identical national adoption of ISO/IEC 20000-1)

Defines the requirements for a service provider to deliver managed services of an acceptable quality for its customers. This part of ISO/IEC 20000 specifies a number of closely related service management processes.

Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/IEEE 25010-201x, Systems and Software Engineering - Systems and Software Quality Requirements and Evaluation (SQuaRE) - System and Software Quality Models** (identical national adoption of ISO/IEC 25010-2011)

Defines:

(a) A quality in use model composed of five characteristics that relate to the outcome of interaction when a product is used in a particular context of use. This system model is applicable to the complete human-computer system, including both computer systems in use and software products in use;

(b) A product quality model composed of eight characteristics (which are further subdivided into subcharacteristics) that relate to static properties of software and dynamic properties of the computer system. The model is applicable to both computer systems and software products.

Contact: Lisa Yacone, [l.yacone@ieee.org](mailto:l.yacone@ieee.org)

**BSR/NECA 568-201x, Standard for Installing Commercial Building Telecommunications Cabling** (revision of ANSI/NECA 568-201x)

A structured cabling system is a complete collective configuration of cabling and associated hardware on a premises that, when installed, provides a comprehensive telecommunications infrastructure. This infrastructure is intended to support a wide range of telecommunications services such as telephone and computer networks.

Contact: Michael Johnston, [am2@necanet.org](mailto:am2@necanet.org)

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## Final Actions on American National Standards

The actions noted below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator. Final actions can include withdrawals as well as the adoption of new standards and the revision or reaffirmation of existing standards.

**ANSI E1.3-2001 (R2010), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification** (reaffirmation of ANSI E1.3-2001 (R2006)): 28 June 2011

**ANSI E1.27-1-2006 (R2010), Entertainment Technology - Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A) Products** (reaffirmation of ANSI E1.27-1-2006): 28 June 2011

**ANSI Z535.1-2011, Standard for Safety Colors** (revision of ANSI Z535.1-2006): 19 July 2011

**ANSI Z535.2-2011, Standard for Environmental and Facility Safety Signs** (revision of ANSI Z535.2-2007): 19 July 2011

**ANSI Z535.3-2011, Criteria for Safety Symbols** (revision of ANSI Z535.3-2007): 19 July 2011

**ANSI Z535.4-2011, Standard for Product Safety Signs and Labels** (revision of ANSI Z535.4-2007): 19 July 2011

**ANSI Z535.5-2011, Safety Tags and Barricade Tapes (for Temporary Hazards)** (revision of ANSI Z535.5-2007): 19 July 2011

**ANSI Z535.6-2011, Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials** (revision of ANSI Z535.6 -2006): 19 July 2011

**ANSI/ASHRAE 135ad-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2008): 30 June 2011

**ANSI/ASHRAE 135ae-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2008): 30 June 2011

**ANSI/ASHRAE 135af-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2008): 30 June 2011

**ANSI/ASHRAE Addendum 62.1d-2011, Ventilation for Acceptable Indoor Air Quality** (addenda to ANSI/ASHRAE Standard 62.1-2010): 30 June 2011

**ANSI/ASHRAE Addendum 62.1e-2011, Ventilation for Acceptable Indoor Air Quality** (addenda to ANSI/ASHRAE Standard 62.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1b-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1c-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1ci-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1ds-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2007): 30 June 2011

**ANSI/ASHRAE/IES 90.1g-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1h-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1j-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/IES 90.1k-2011, Energy Standard for Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1c-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1P -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1d-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1P -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1e-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1P -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1h-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1j-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1k-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 30 June 2011

**ANSI/ASHRAE/USGBC/IES 189.1o-2011, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1 -2009): 30 June 2011

**ANSI/ASME A17.3-2011, Safety Code for Existing Elevators and Escalators** (revision of ANSI/ASME A17.3-2008): 6 July 2011

**ANSI/AWS C3.11M/C3.11-2011, Specification for Torch Soldering** (new standard): 14 July 2011

**ANSI/IEEE 26514-2010, Adoption of ISO/IEC 26514:2008 - Systems and Software Engineering - Requirements for Designers** (identical national adoption of ISO/IEC 26514:2008): 19 July 2011

**ANSI/LEO 8000-2011, Standard for Sustainable Electronic Gaming Machines** (new standard): 15 July 2011

**ANSI/UL 2251-2011, Standard for Safety for Plugs, Receptacles and Couplers for Electric Vehicles** (new standard): 7 July 2011

**ANSI/UL 676-2011, Standard for Safety for Underwater Luminaires and Submersible Junction Boxes** (new standard): 6 July 2011

**ANSI/UL 746B-2011, Standard for Safety for Polymeric Materials - Long Term Property Evaluations** (revision of ANSI/UL 746B-2010): 5 July 2011

**ANSI/UL 814-2011, Standard for Safety for Gas-Tube-Sign Cable** (Proposal dated 8/20/10) (revision of ANSI/UL 814-2006): 6 July 2011

**ANSI/UL 814-2011a, Standard for Safety for Gas-Tube-Sign Cable** (Proposals dated 10/1/10) (revision of ANSI/UL 814-2006): 6 July 2011

**ANSI/UL 814-2011b, Standard for Safety for Gas-Tube-Sign Cable** (Proposal dated 2/18/11) (revision of ANSI/UL 814-2006): 6 July 2011

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## Recently Published IEC & ISO Documents

The International Organization for Standardization (IEC) and the International Organization for Standardization (ISO) recently have published some documents that may be of interest to *Standards News* readers. The prices shown are those for the documents if bought from ANSI's on-line standards store. These prices are generally lower than those on the IEC and ISO websites, but not necessarily. Often the numbers in the prices are the same, e.g., 92 USD and 92 CHF, but the exchange rate will make one more expensive than the other, and exchange rates change daily.

**IEC 62591 Ed. 1.0 b:2010**, Industrial communication networks - Wireless communication network and communication profiles - WirelessHART, \$321.00

**ISO 21254-1:2011**, Lasers and laser-related equipment - Test methods for laser-induced damage threshold - Part 1: Definitions and general principles, \$86.00

**ISO 21254-2:2011**, Lasers and laser-related equipment - Test methods for laser-induced damage threshold - Part 2: Threshold determination, \$135.00

**ISO 21254-3:2011**, Lasers and laser-related equipment - Test methods for laser-induced damage threshold - Part 3: Assurance of laser power (energy) handling capabilities, \$86.00

**ISO 9241-420:2011**, Ergonomics of human-system interaction - Part 420: Selection of physical input devices, \$193.00

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## TSP Meeting Schedule

The Stage Lifts Working Group meets by Webex from 15:00 to 18:00 Eastern Time on the second Monday of every month. For more information, contact Martin Moore at [martinmoore2010@gmail.com](mailto:martinmoore2010@gmail.com).

The meetings listed below will be held at the Orlando Hilton in Orlando, Florida.

Control Protocols BSR E1.30 Mo ACN TG	09:00 - 17:00	Tuesday 25 October 2011
	09:00 - 17:00	Wednesday 26 October 2011
Control Protocols BSR E1.33/E1.37 Mo RDM TG	09:30 - 17:00	Monday 31 October 2011
Control Protocols WG	09:00 - 13:00	Thursday 27 October 2011
Electrical Power WG	19:00 - 113:00	Friday 28 October 2011
Floors WG	09:00 - 11:00	Wednesday 26 October 2011
Photometrics WG	08:00 - 10:00	Friday 28 October 2011
Rigging BSR E1.21 Outdoor Structures TG	08:00 - 12pm	Wednesday 26 October 2011
Rigging BSR E1.6-2 Chain Hoist TG	08:00 - 13:00	Thursday 27 October 2011
Rigging BSR E1.6-3 Chain Hoist Usage TG	18:00 - 22:00	Tuesday 25 October 2011
Rigging BSR E1.6-4 Chain Hoist Control TG	09:00 - 13:00	Thursday 27 October 2011
Rigging WG	19:00 - 113:00	Wednesday 26 October 2011
Technical Standards Council	13:00 - 17:00	Wednesday 26 October 2011

# PLASA Standards News

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

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