

# PLASA Standards News

Late March 2013      Volume 17, Number 6

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## ANSI Approves E1.11 and E1.14 Reaffirmations

On March 13 the ANSI Board of Standards Review approved the reaffirmations of ANSI E1.11 and E1.14, giving us **ANSI E1.11-2008 (R2013) Entertainment Technology -- USITT DMX512-A -- Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories**, and **ANSI E1.14-2001 (R2013) Entertainment Technology -- Recommendations for Inclusions in Fog Equipment Manuals**. The two new editions are reaffirmations, so there are no substantive changes from the previous versions. The new editions will be published before the end of April.

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## One More Makes Five PLASA Standards in Public Review

**BSR E1.21 - 201x, Entertainment Technology — Temporary Ground-Supported Structures Used to Cover the Stage Areas and Support Equipment in the Production of Outdoor Entertainment Events**, has been added to PLASA's public review web-page, bringing the total number of documents available now for review to five. The public review materials for the standards are available at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php). In order of public review ending date, the draft standards in review are:

**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. The last day to comment is April 1. The review has ended when April 2 starts.

**BSR E1.45 - 201x, Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A)**, 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 from 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 last day to comment is April 1. The review has ended when April 2 starts.

**BSR E1.48 - 201x, A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry**, specifies an energy-based luminous efficiency function  $V(\lambda)$  based on recent research for use when measuring the lumen output for any stage or studio luminaire in which it is known or believed that 20% or more of the output power is at wavelengths shorter than 500 nm. Most light meters in use today use the 89-year-old CIE 1924  $V(\lambda)$  function. It's seriously inaccurate, so the meters are wrong, and anyone using the meters and believing them is wrong. The last day to comment is April 1. The review has ended when April 2 starts.

**BSR E1.33 - 201x, Entertainment Technology—(RDMnet)—Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks**, describes a method of implementing ANSI E1.20 Remote Device Management messaging over an IPv4 network. The primary anticipated use of the standard would be to complement ANSI E1.31 on an IPv4 entertainment lighting control network. The last day to comment is May 14. The review has ended when May 15 starts.

**BSR E1.21 - 201x, Entertainment Technology — Temporary Ground-Supported Structures Used to Cover the Stage Areas and Support Equipment in the Production of Outdoor Entertainment Events**, is a revision of ANSI E1.21 - 2006. The standard is being revised to cover the design, manufacture, and use of all the portable structures (not only roofs) used to support scenery, lighting, and sound equipment, and to cover the stages in the production of outdoor entertainment events. Excluded are structures for the public, such as audience bleachers and food vendor stands. The review runs through May 27. It is over when May 28 starts.

The review of BSR E1.33 has been timed so that it will be open during the **RDM and sACN Developers Conference and Plugfest**, scheduled for 25, 26, and 27 April, at the Gatwick Manor, London Road at Lowfield Heath near Gatwick Airport in the UK. Further information and signup for the Plugfest is available at <http://www.plasa.org/rdm/>. Any inquiries should be directed to Ron Bonner, PLASA's Technical Resources Manager, at [ron.bonner@plasa.org](mailto:ron.bonner@plasa.org).

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## WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced a few notices—just a couple—as WTO Technical Barriers to Trade that may be of interest to *Standards News* readers. USA/799 (Corr.1) probably will not affect the business of *Standards News* readers immediately, but it will give them an idea of where the USA is headed with energy efficiency standards for general service lamps. See the last issue of *Standards News* for the original USA/799 notice. USA/800, dealing with HID lamps, might have a more direct effect.

### United States of America Notification USA/799 (Corr.1)

**Date issued:** 6 March 2013

**Agency responsible:** Office of Energy Efficiency and Renewable Energy, Department of Energy (OEERE/DOE)

**National inquiry point:** National Center for Standards and Certification Information, National Institute of Standards and Technology (NCSCI/NIST)

**Products covered:** Lamps (HS 9405)

**Title:** Conservation Program: Availability of the Preliminary Technical Support Document for General Service Fluorescent Lamps and Incandescent Reflector Lamps

**Description of content:** The U.S. Department of Energy (DOE) will hold a public meeting to discuss and receive comments on: the product classes that DOE plans to analyze for purposes of amending energy conservation standards for general service fluorescent lamps (GSFLs) and incandescent reflector lamps (IRLs); the analytical framework, models, and tools that DOE is using to evaluate standards for GSFLs and IRLs; the results of preliminary analyses DOE performed for these products; and potential energy conservation standard levels derived from these analyses that DOE could consider for GSFLs and IRLs.

DOE encourages written comments on these subjects. To inform interested parties and facilitate this process, DOE has prepared an agenda, a preliminary technical support document (TSD), and briefing materials, which are available on [www.regulations.gov](http://www.regulations.gov), docket number EERE-2011-BT-STD-0006 at <http://www.regulations.gov/#/docketDetail;D=EERE-2011BT-STD-0006>.

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

**Relevant documents:** 78 Federal Register (FR) 13563, 28 February 2013; Title 10 Code of Federal Regulations (CFR) Part 430. Will appear in the Federal Register when adopted.

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

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

**Final date for comments:** 15 April 2013

**Full text:** <http://www.gpo.gov/fdsys/pkg/FR-2013-02-28/pdf/2013-04711.pdf>

#### United States of America Notification USA/800

**Date issued:** 6 March 2013

**Agency responsible:** Office of Energy Efficiency and Renewable Energy, Department of Energy (OEERE/DOE)

**National inquiry point:** National Center for Standards and Certification Information, National Institute of Standards and Technology (NCSCI/NIST)

**Products covered:** Lamps (HS 9405)

**Title:** Energy Conservation Program for High-Intensity Discharge Lamps: Public Meeting and Availability of the Interim Technical Support Document

**Description of content:** The U.S. Department of Energy (DOE) will hold a public meeting to discuss and receive comments on the interim analysis it has conducted for purposes of establishing energy conservation standards for high-intensity discharge (HID) lamps. The meeting will cover the analytical framework, models, and tools that DOE is using to evaluate standards for this equipment; the results of interim analyses performed by DOE for this equipment; the potential energy conservation standard levels derived from these analyses that DOE could consider for this equipment; and any other issues relevant to the development of energy conservation standards for HID lamps. In addition, DOE encourages written comments on these subjects. To inform interested parties and facilitate this process, DOE has prepared an agenda, an interim technical support document (TSD), and briefing materials, which are available on the DOE Web site at:

[http://www1.eere.energy.gov/buildings/appliance\\_standards/rulemaking.aspx/ruleid/23](http://www1.eere.energy.gov/buildings/appliance_standards/rulemaking.aspx/ruleid/23).

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

**Relevant documents:** 78 Federal Register (FR) 13566, 28 February 2013; Title 10 Code of Federal Regulations (CFR) Part 431. Will appear in the Federal Register when adopted.

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

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

**Final date for comments:** 19 April 2013

**Full text:** <http://www.gpo.gov/fdsys/pkg/FR-2013-02-28/pdf/2013-04672.pdf>

Notify U.S. suggests that US businesses send comments to [notifyus@nist.gov](mailto:notifyus@nist.gov) at least three business days before the closing date. Include the following information:

- Your name
- Company name
- Contact name at company name
- Date submitted
- Notification commented on (number and title)
- Issue statement: The reason you are submitting comments should be stated clearly and should focus on the technical aspects. If you would have trouble meeting a deadline, indicate when you could comply.
- Supporting rationale statement: You should provide a rationale to support your issue statement. Focus on the technical aspects of the proposed regulation with which you may have issues.

A parallel WTO Technical Barriers to Trade notification system exists for members of the EU. See <http://ec.europa.eu/enterprise/tbt/> for information about WTO TBT from the European perspective. Links on that page lead to a journal of events (notifications and responses to notifications, draft EU Commission

Regulations, et cetera), a database of the notifications filed, a library of relevant EU Commission and WTO documents, and other information.

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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 22 April 2013

#### **BSR/TIA 4966-201x, Telecommunications Infrastructure Standard for Educational Facilities** (new standard)

This standard specifies telecommunications infrastructure requirements for educational buildings and spaces. It specifies cabling, cabling topologies, and cabling distances – all of which are intended to support a wide range of services and systems. Additionally, pathways and spaces (e.g. sizing and location), and ancillary requirements are addressed. Modern digital telecommunications in educational buildings requires a robustly designed building infrastructure to support the numerous systems that rely on the electronic transport of information. The purpose of this standard is to enable designers to incorporate these relevant telecommunications transport mechanisms within the design of educational buildings and spaces. It is intended to enable the planning of a structured cabling system that can be used with a multitude of services and systems used in educational buildings and spaces.

Single copy price: \$133.00

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

#### **BSR/UL 8753-201X, Standard for Safety for Field-Replaceable Light Emitting Diode (LED) Light Engines** (new standard)

The following changes in requirements to the Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines, UL 8753/ULC-S8753, are being proposed: (1) The proposed First Edition of the Joint UL/ULC Standard for Field-Replaceable Light Emitting Diode (LED) Light Engines, UL 8753/ULCS8753.

Single copy price: Contact comm2000 for pricing and delivery options

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

Send comments to: Heather Sakellariou, [Heather.Sakellariou@ul.com](mailto:Heather.Sakellariou@ul.com)

#### **BSR/UL 8754-201X, Standard for Safety for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays** (new standard)

The following changes in requirements to the Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, UL 8754/ULC-S8754, are being proposed: (1) The proposed First Edition of the Joint UL/ULC Standard for Holders, Bases, and Connectors for Solid-State (LED) Light Engines and Arrays, UL 8754/ULC-S8754.

Single copy price: Contact comm2000 for pricing and delivery options

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

Send comments to: Heather Sakellariou, [Heather.Sakellariou@ul.com](mailto:Heather.Sakellariou@ul.com)

### Due 29 April 2013

#### **BSR P-N42.53-201x, Performance Criteria for Backpack Based Radiation Detection Systems Used for Homeland Security** (new standard)

This standard specifies the basic performance requirements for backpack based radiation detection systems (BRDs) used in homeland security applications. BRDs shall detect gamma radiation and may include neutron detection and/or the identification of gamma-ray emitting radionuclides. They are typically worn by the user during operation, but may also be used as temporary area monitors. This standard establishes the radiological performance and testing requirements and those associated with the expected electrical, mechanical, and environmental conditions while in use.

Single copy price: Free

Obtain an electronic copy from: [M.Kipness@ieee.org](mailto:M.Kipness@ieee.org)

Send comments to: Michael Unterweger, [michael.unterweger@nist.gov](mailto:michael.unterweger@nist.gov)

**BSR/ISEA 125-201x, Conformity Assessment of Safety and Personal Protective Equipment** (new standard)

This standard establishes criteria for conformity assessment of safety and personal protective equipment which is sold with claims of compliance with product-performance standards. Specific provisions are described for qualification performance testing data collection and maintenance; periodic verification; substantiation of processes to maintain manufacturing quality; roles and responsibilities of suppliers, testing organizations; and certification organizations who participate in the process.

Single copy price: Free

Order from and send comments to: Cristine Fargo, [cfargo@safetysafetyequipment.org](mailto:cfargo@safetysafetyequipment.org)

**NCITS/ISO/IEC 29500-2-201x, Information technology - Document description and processing languages - Office Open XML File Formats - Part 2: Open Packaging Conventions** (identical national adoption of ISO/IEC 29500-2:2012 and revision of INCITS/ISO/IEC 29500-2-2009)

ISO/IEC 29500-2:2012 specifies a set of conventions that are used by Office Open XML documents to define the structure and functionality of a package in terms of a package model and a physical model.

Single copy price: \$285.00

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

Send comments to: Barbara Bennett, [bbennett@ititc.org](mailto:bbennett@ititc.org)

**INCITS/ISO/IEC 29500-3-201x, Information technology - Document description and processing languages - Office Open XML File Formats - Part 3: Markup Compatibility and Extensibility** (identical national adoption of ISO/IEC 29500-3:2012 and revision of INCITS/ISO/IEC 29500-3-2009)

ISO/IEC 29500-3:2012 describes a set of conventions that are used by Office Open XML documents to clearly mark elements and attributes introduced by future versions or extensions of Office Open XML documents, while providing a method by which consumers can obtain a baseline version of the Office Open XML document (a version without extensions) for interoperability.

Single copy price: \$285.00

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

Send comments to: Barbara Bennett, [bbennett@ititc.org](mailto:bbennett@ititc.org)

**INCITS/ISO/IEC 29500-4-201x, Information technology - Document description and processing languages - Office Open XML File Formats - Part 4: Transitional Migration Features** (identical national adoption of ISO/IEC

29500-4:2012 and revision of INCITS/ISO/IEC 29500-4-2009)

ISO/IEC 29500-4:2012 defines features for backward-compatibility and that are useful for high-quality migration of existing binary documents to ISO/IEC 29500. These features are used only by documents of conformance class WML Transitional, SML Transitional, or PML Transitional.

Single copy price: \$285.00

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

Send comments to: Barbara Bennett, [bbennett@ititc.org](mailto:bbennett@ititc.org)

**INCITS/ISO/IEC 29500-1:2012, Information technology - Document description and processing languages - Office Open XML File Formats - Part 1: Fundamentals and Markup Language Reference** (identical national adoption of ISO/IEC 29500-1:2012 and revision of INCITS/ISO/IEC 29500-1-2009)

ISO/IEC 29500-1:2012 defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations, based on the Microsoft Office 2008 applications. It specifies requirements for Office Open XML consumers and producers that comply to the strict conformance category.

Single copy price: \$285.00

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

Send comments to: Barbara Bennett, [bbennett@ititc.org](mailto:bbennett@ititc.org)

**BSR/UL 1598C-201x, Standard for Safety for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits** (new standard)

The following changes in requirements to the Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits, UL 1598C, are being proposed: (1) Proposed First Edition of the Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits, UL 1598C.

Single copy price: Contact comm2000 for pricing and delivery options

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

Send comments to: Heather Sakellariou, [Heather.Sakellariou@ul.com](mailto:Heather.Sakellariou@ul.com)

**Due 6 May 2013**

**BSR/ASHRAE Addendum ai to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum creates a BACnet-visible mechanism for viewing/configuring a device's network settings so that there is a way for BACnet client devices to easily and consistently access and manipulate this information.

Single copy price: \$35.00

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

**BSR/ASHRAE Addendum al to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum specifies a set of best practices that are recommended for the design of successful gateways to/from the BACnet protocol, updates the router configuration BIBBs to ensure that configuration tools can perform all of the expected functions, and adds a new device profile for those devices that do not match any existing device profiles.

Single copy price: \$35.00

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

**BSR/ASHRAE Addendum as to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

Currently, the BACnet standard does not provide a method for conveying and recording the source of a command. The changes shown in this addendum allow devices to indicate and record the source device or process, and optionally, a comment. In addition, COV reporting is modified to allow a client to request that value changes be accompanied by command source information.

Single copy price: \$35.00

Order from: [standards.section@ashrae.org](mailto:standards.section@ashrae.org)

Send comments to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

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## **BSI Public Review Announcements**

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

**Due 30 April 2013**

**EN 13814, Fairground and amusement park machinery and structure. Safety**

This document specifies the minimum requirements necessary to ensure the safe design, calculation, manufacture, and installation of the following: mobile, temporary or permanently installed machinery and structures, e. g. roundabouts, swings, boats, big wheels, roller coasters, chutes, membrane or textile structures, booths, stages, side shows, and structures for artistic aerial displays. The above items are hereafter called amusement devices, which are intended to be installed both repeatedly without degradation or loss of integrity, and temporarily or permanently in fairgrounds and amusement parks or any other locations. The document does not cover fixed grandstands, construction site installations, scaffolding, removable agricultural structures, and simple coin operated children's amusement devices, carrying not

more than two children. However, the document can be used in the design of any similar structural or passenger carrying device not explicitly mentioned herein.

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## Draft IEC Documents

The International Electrotechnical Commission (IEC) are considering the following documents for approval that might be of interest to *Standards News* readers. The documents are available from your nation's representative organization to the IEC. Comments should be sent via your representative before the deadline date shown. The contact-representative for citizens of the United States of America is Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org).

**100/2126/DC**, Maintenance of IEC 61966-6:2005 (Ed. 1) Multimedia systems and equipment - Colour measurement and management - Part 6: Front projection displays (TA2), 31 May 2013

**100/2127/DC**, Maintenance of IEC 61966-12-1:2011 (Ed. 1) Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID) (TA2), 31 May 2013

**23E/783/DTS, IEC/TS 62710**: RCDs associated with additional functions, 06/07/2013

**34/177/CD, IEC 62493 Ed.2**: Assessment of lighting equipment related to human exposure to electromagnetic fields, 24 May 2013

**34A/1642/CDV, IEC 62776 Ed.1**: Double-capped LED lamps for general lighting services - Safety specifications, 24 May 2013

**77/431/DC**, Maintenance of publication IEC/TS 61000-1-2 Ed.2.0 and its conversion into an International Standard, 28 June 2013

**77A/806/CDV**, Amendment 3 to IEC 61000-3-2 (f1): Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current < 16 A per phase), 17 May 2013

**77A/807/CDV**, Amendment 3 to IEC 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current < 16 A per phase), 17 May 2013

**77A/808/CDV**, Amendment 3 to IEC 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ? [sic] 16 A per phase), 17 May 2013

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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/ASSE A10.38-2013**, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment (revision of ANSI/ASSE A10.38-2000 (R2007)): 5 March 2013

**ANSI/ASSE A10.40-2007 (R2013)**, Reduction of Musculoskeletal Problems in Construction (reaffirmation of ANSI ASSE A10.40 -2007): 4 March 2013

**ANSI/ASSE A10.5-2013**, Safety Requirements for Material Hoists (revision of ANSI/ASSE A10.5-2006): 28 February 2013

**ANSI/ASSE Z359.13-2013**, Personal Energy Absorbers and Energy Absorbing Lanyards (revision of ANSI/ASSE Z359.13-2009): 13 March 2013

**ANSI/ASSE Z359.4-2013**, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision of ANSI/ASSE Z359.4-2007): 28 February 2013

**ANSI/UL 508-2013**, Standard for Safety for Industrial Control Equipment (revision of ANSI/UL 508-2008): 15 March 2013

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## Recently Published IEC & ISO Documents

Listed here are documents recently approved and published by the International Electrotechnical Commission and the International Organization for Standardization.

**IEC 60300-1 Ed. 2.0 b:2003**, Dependability management - Part 1: Dependability management systems

**IEC 60300-3-1 Ed. 2.0 b:2003**, Dependability management - Part 3-1: Application guide - Analysis techniques for dependability - Guide on methodology

**IEC 61947-1 Ed. 1.0 b:2002**, Electronic projection - Measurement and documentation of key performance criteria - Part 1: Fixed resolution projectors

**IEC 61947-2 Ed. 1.0 b:2001**, Electronic projection - Measurement and documentation of key performance criteria - Part 2: Variable resolution projectors

**IEC 61966-2-2 Ed. 1.0 b:2003**, Multimedia systems and equipment - Colour measurement and management - Part 2-2: Colour management - Extended RGB colour space - scRGB

**IEC 61966-2-4 Ed. 1.0 b:2006**, Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications - xvYCC

**IEC 61966-6 Ed. 1.0 b:2005**, Multimedia systems and equipment - Colour measurement and management - Part 6: Front projection displays

**IEC 61966-8 Ed. 1.0 b:2001**, Multimedia systems and equipment - Colour measurement and management - Part 8: Multimedia colour scanners

**IEC 61966-9 Ed. 2.0 b:2003**, Multimedia systems and equipment - Colour measurement and management - Part 9: Digital cameras

**ISO 12655:2013**, Energy performance of buildings - Presentation of measured energy use of buildings

**ISO/IEC 15961-1:2013**, Information technology - Radio frequency identification (RFID) for item management: Data protocol - Part 1: Application interface

**ISO/IEC 15962:2013**, Information technology - Radio frequency identification (RFID) for item management - Data protocol: data encoding rules and logical memory functions

**ISO/IEC 17568:2013**, Information technology - Telecommunications and information exchange between systems - Close proximity electric induction wireless communications

**ISO/IEC 18092:2013**, Information technology - Telecommunications and information exchange between systems - Near Field Communication - Interface and Protocol (NFCIP-1)

## 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 meetings shown below are scheduled to be held at the Marriott Solana in Westlake, Texas.

Control Protocols Plugfest	16:00 - 21:00	Friday 2 August 2013
	09:00 - 21:00	Saturday 3 August 2013
	09:00 - 21:00	Sunday 4 August 2013
	09:00 - noon	Monday 5 August 2013
Control Protocols Working Group	09:00 - 13:00	Saturday 3 August 2013
Electrical Power Working Group	09:00 - noon	Friday 2 August 2013
Fog & Smoke Working Group	19:00 - 21:00	Friday 2 August 2013
Photometrics Working Group	14:00 - 17:00	Friday 2 August 2013
Rigging Working Group	13:00 - 18:00	Thursday 1 August 2013
Technical Standards Council	09:00 - 13:00	Sunday 4 August 2013

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## PLASA Standards News

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

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