

PLASA Standards News

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Seven PLASA Standards in Public Review

Seven PLASA standards are now in public review. Two are proposed reaffirmations of existing standards (no changes), two are revisions of standards, and three are new standards. The public review materials for the standards are available at http://tsp.plasa.org/tsp/documents/public_review_docs.php.

Due 7 January 2013

ANSI E1.11-2008, Entertainment Technology -- USITT DMX512-A -- Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories (a reaffirmation)

E1.11 describes a protocol for transmitting digital data over an EIA-485-A datalink for the purpose of controlling entertainment lighting equipment and accessories, such as dimmers, robotic luminaires, color changers, and motion effects wheels. ANSI E1.11-2008 is available for purchase from The ESTA Foundation. Go to <http://www.estafoundation.org/pubs.htm> and follow the links.

ANSI E1.14 - 2001, Entertainment Technology -- Recommendations for Inclusions in Fog Equipment Manuals (a reaffirmation)

E1.14 applies to the instruction manuals for fog-making equipment manufactured for use in the entertainment industry. In order to use fog safely and effectively, the user must have some knowledge of the technology,

have an understanding of how to operate the fog making system, and be aware of the potential hazards. This standard is designed to establish guidelines for manufacturers to provide to the user the information required for the safe use of fog equipment. It's free at http://tsp.plasa.org/tsp/documents/published_docs.php. Cheap at twice the price!

Due 14 January 2013

BSR E1.19 - 201x, Recommended Practice for the Use of Class A Ground-Fault Circuit Interrupters (GFCIs) Intended for Personnel Protection in the Entertainment Industry (a revision)

ANSI E1.19 offers guidance on using GFCIs to protect personnel. PLASA's Electrical Power Working Group is proposing to change section 4 in the existing standard so that it offers recommendations on how to reduce nuisance tripping.

BSR E1.45 - 201x, Unidirectional Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A) (new standard)

BSR 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 communicate 802 data to luminaires over a DMX512-A datalink for data transmission from those luminaires using Visible Light Communication, IEEE 802.15.7, but this standard may be used to transport any 802 data for any purpose.

Due 21 January 2013

BSR E1.35 - 201x, Standard for Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (a revision)

ANSI E1.35 - 2007 describes a method for measuring and reporting stage and studio luminaire lens quality, emphasizing contrast and image sharpness. It's being revised to offer a measurement procedure that is more accurate than the procedure specified in the published 2007 edition but is just as simple.

Due 28 January 2013

BSR E1.6-2 - 201x, Entertainment Technology — Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (a new standard)

BSR E1.6-2 is part of the E1.6 powered entertainment rigging project. This draft standard covers the design, inspection, and maintenance of serially manufactured electric link chain hoists having capacity of 2 tons or less and used in the entertainment industry. This standard does not cover attachment to the load or to the overhead structure. Controls used for multiple hoist operation are covered in E1.6-4.

BSR E1.6-4 - 201x, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry (a new standard)

BSR E1.6-4 is part of the E1.6 powered entertainment rigging project. This draft standard covers portable control systems for the hoists that are the subject of E1.6-2.

PLASA Plugfest Returns

PLASA Control Protocols Plugfest returns again to the Technical Standards Program meetings in Texas. The Plugfest is scheduled for Friday, January 25, through Monday, January 28 at the DFW Marriott Solana in Westlake, Texas. The Plugfest is a chance for product developers to check the inter-operability of their devices with those made by other manufacturers, running any of the protocols developed by the Control Protocols Working Group. A full schedule and a link for hotel reservations can be found at: <http://tsp.plasa.org/tsp/meetings/index.php>. To register, contact Scott Blair at sblair@rdmprotocol.org.

Ofcom Consultation on High Power PMSE Applications

Ofcom has published a proposal affecting wireless microphone use in the UK and has requested comments on it by 17:00, 22 January 2013. The proposal is to permit the use of two 200 kHz channels (606-608 MHz) at the bottom of channel 38 for high power Programme Making and Special Events applications (that is, the

business of PLASA members). The proposal also explains Ofcom's decision to allow PMSE high power users to continue to operate in channel 69 beyond the end of 2012 (which is the deadline for all other PMSE licensed use to cease), up to the date of Ofcom's award of 800 MHz and 2.6 GHz. The proposal and information on how to respond is available at <http://stakeholders.ofcom.org.uk/consultations/pmse-channel-38/>

FCC Gives Mobile Device Security Advice

The FCC has launched the Smartphone Security Checker, an online tool to help people customize their mobile devices to protect them against risks such as viruses, malicious apps, and theft. To use the tool, a person first selects the operating system (Apple iOS, Android, BlackBerry, or Windows) and then follows ten steps and tips to help protect the device. The Smartphone Security Checker features best practices on how to set pins and passwords, where to find security apps, how to enable remote locating and data wiping, and how to backup and secure your data in case your device is lost or stolen. There is also information on how to safely use public Wi-Fi networks and what steps to take if your phone is stolen. (First, report it stolen to your mobile carrier and the police!) The smartphone Security Checker is available at <http://www.fcc.gov/smartphone-security>. More information about the tool launch is available at <http://www.fcc.gov/blog/fcc-and-public-private-partners-launch-smartphone-security-checker-help-consumers-protect-mobil>.

Help Simplify National Weather Service Weather Warnings

The US National Weather Service is considering changing the terms it uses to alert people to possible or impending severe weather events to make the warnings and their associated severity easier to understand. A demonstration has been set up on the NWS website to solicit comments on possible alternative messages. It is live now, and will be until 31 March 2013. People are invited to offer comments at http://nws.weather.gov/haz_simp/.

The National Weather Service uses the terms Watch, Warning, and Advisory to describe how likely the NWS believes a weather or flooding event is, how bad it's likely to be, and when the event will occur. Surveys indicate many people do not understand what these terms mean or how to properly respond to stay safe and to protect property.

WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced a few notices as WTO Technical Barriers to Trade that may be of interest to *Standards News* readers. The sort order is by comment due-date.

Canada Notification CAN/378

Date issued: 14 December 2012

Agency responsible: Department of Transport

National inquiry point: Intergovernmental Affairs and Trade, Standards Council of Canada (SCC)

Products covered: Dangerous goods safety marks (labels, placards, signs and marks)

Title: Proposed Amendment to the Transportation of Dangerous Goods Regulations (Part 4, Dangerous Goods Safety Marks)

Description of content: The Transportation of Dangerous Goods Regulations (TDG Regulations) require dangerous goods safety marks such as labels, placards, signs and marks to be displayed on a means of containment containing dangerous goods in transport. The dangerous goods safety marks identify the presence of the dangerous goods and the nature of the risk they pose. The objective of the proposed amendments is to modify several sections of the TDG Regulations to clarify the existing requirements for the display of labels on overpacks and modify the placarding scheme for large means of containment.

Notable proposed amendments to the TDG Regulations, as detailed below would:

- introduce the notion of overpack with applicable requirements for the display of labels on overpacks;
- propose a new way to deal with placarding large means of containment, which would require the placarding of any shipment of dangerous goods and provide a relaxation for some classes of dangerous goods transported in quantities of 500 kg or less. This would significantly improve reciprocity with the United States Code of Federal Regulations, Title 49 (49 CFR);
- modify the requirements for the display of a DANGER placard to streamline placarding options for vehicles and also align with the 49 CFR; and;
- introduce new safety marks for dangerous goods included in Class 5.2, Organic Peroxides, for marine pollutants and for limited quantities of dangerous goods, to harmonize with the UN Recommendations for the Transport of Dangerous Goods (UN Recommendations) and the 49 CFR.

Objective and rationale: Protection of public safety in the transportation of dangerous goods

Relevant documents: Canada Gazette, Part I, 1 December 2012, Pages 3210-3228

(<http://www.gazette.gc.ca/rp-pr/p1/2012/2012-12-01/pdf/g1-14648.pdf#page=28>)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 14 February 2013

Text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN378\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN378(english).pdf)

Israel Notification ISR/635

Date issued: 17 December 2012

Agency responsible: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

National inquiry point: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

Products covered: Lighting chains (HS 8512, 8513, 8539 and 9405.10)

Title: Luminaires: Particular requirements - Lighting chains

Description of content: Revision of the Mandatory Standard SI 20 part 2.20. This draft standard revision adopts the International Standard IEC 60598-2-20 - Edition 3.0: 2010-02.

The major differences between the old version and this new revised draft standard are as follows:

- Changes paragraph 20.7 dealing with construction: Adds to paragraph 20.7.7 also 250V voltage of E10 lampholders with parallel connection, removes the list for maximum output and rephrases paragraph 20.7.15;
- Changes the table of lighting chain characteristics appearing in paragraph 20.11 dealing with external and internal wiring.

Objective and rationale: Protection of human safety.

Relevant documents: Mandatory Standard SI 20 part 2.20 (September 2009); International Standard IEC 60598-2-20 - Edition 3.0: 2010-02.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 17 February 2013

Text: [https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR635\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR635(hebrew).pdf)

Israel Notification ISR/643

Date issued: 17 December 2012

Agency responsible: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

National inquiry point: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

Products covered: Electric transformers and reactors (HS 8504.31, 8504.32, 8504.50, 8531.80 and 9405)

Title: Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers

Description of content: Revision of the Mandatory Standard SI 61558 part 2.4. This draft standard revision adopts the International Standard IEC 61558-2-4 - Edition 2.0:2009-02.

The major differences between the old version and this new revised draft standard are as follows:

- Changes the standard's scope and provides a detailed description of the types of device included in this standard;
- Adds to the standard's scope electrical, thermal and mechanical safety aspects.
- Removes the preferred values from paragraph 6.101 dealing with rated output voltage;

- Changes paragraph 12.102 dealing with no-load output voltage/output voltage under load and provides voltage limits to different types of transformers;
- Changes paragraph 19.1.2 dealing with construction and provide the insulation requirements between the primary and secondary coiling in different types of transformers.

Objective and rationale: Protection of human safety and lowering of trade barriers.

Relevant documents: Mandatory Standard SI 61558 part 2.4 (April 2003); International Standard IEC 61558-2-4 - Edition 2.0:2009-02.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 17 February 2013

Text: [https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR643\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR643(hebrew).pdf)

Israel Notification ISR/645

Date issued: 17 December 2012

Agency responsible: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

National inquiry point: Israel WTO-TBT Enquiry Point, Ministry of Industry, Trade and Labor (MOITAL)

Products covered: Electric transformers and reactors (HS 8504.31, 8504.32, 8504.50, 8531.80 and 9405)

Title: Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers

Description of content: Revision of the Mandatory Standard SI 61558 part 2.6. This draft standard revision adopts the International Standard IEC 61558-2-6 - Edition 2.0:2009-02.

The major differences between the old version and this new revised draft standard are as follows:

- Adds to the standard's scope electrical, thermal and mechanical safety aspects;
- Removes the preferred values from paragraphs 6.101 and 6.102 dealing with rated output voltage;
- Removes some of the requirements included in the old version of paragraph 8.101 dealing with marking and other information;
- Removes some of the requirements included in the old version of paragraph 10.101 dealing with change of input voltage settings;
- Changes paragraph 19.1.1 dealing with construction-insulation and adds separate insulation requirements for Class I transformers.
- Changes paragraphs 19.1.2 through 19.1.6 dealing with construction and provides insulation requirements and inner connections according to the different types of transformers;
- Removes the requirement for plugs and socket-outlets on the output side to comply with the international standards IEC 884-2-4 and IEC 906-3 from paragraph 20.3 dealing with components.

Objective and rationale: Protection of human safety and lowering of trade barriers.

Relevant documents: Mandatory Standard SI 61558 part 2.6 (April 2003); International Standard IEC 61558-2-6 - Edition 2.0:2009-02.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 17 February 2013

Text: [https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR645\(hebrew\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ISR/full_text/pdf/ISR645(hebrew).pdf)

Notify U.S. suggests that US businesses send comments to 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.

Notify U.S. does not offer advice on what non-US businesses should do about WTO TBT notices that they find objectionable. If you are not a US citizen and know what your nation's procedure is, please tell the editors of *Standards News* so they can inform others.

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.

Due 21 January 2013

BSR/CEA 2045-201x, Modular Communications Interface (new standard)

This document is a specification for a modular communication interface. The specification details the mechanical, electrical, and logical characteristics of a socket interface that allows communication devices to be separated from end devices. Although the potential applications of this technology are wideranging, it is intended at a minimum to provide a means by which residential products may be able to work with any load management system through user installable plug-in communication modules. This specification identifies the physical and data link characteristics of the interface, along with certain network and application layer elements as needed to assure interoperability over a broad range of device capabilities. In addition, it defines a mechanism through which application layer messages (defined in other standards) may be passed across the interface.

Single copy price: Free

Obtain an electronic copy from: standards@ce.org

Send comments to: Shazia McGeehan, smcgeehan@ce.org

BSR/GTEEMC MSE 50021-201x, Superior Energy Performance - Additional Requirements for Energy Management Systems (revision of ANSI/GTEEMC MSE 50021-2012)

The revisions to the ANSI/GTEEMC MSE 50021-201X will continue to specify the additional requirements (those beyond ISO 50001) for organizations seeking Superior Energy Performance Certification.

Single copy price: \$NA

Order from and send comments to: Moon Kim, moon.kim@gtri.gatech.edu

BSR ICEA S-104-696-201x, Standard for Indoor-Outdoor Optical Fiber Cable (new standard)

Indoor-outdoor cables covered by this standard are generally derived from outdoor cable designs having the thermal and mechanical robustness that makes them suitable for use outdoors. stipulated in this Standard.

Single copy price: \$120.00

Order from and send comments to: Ryan Franks, ryan.franks@nema.org

BSI Public Review Announcements

BSI Standards has announced some draft documents that might be of interest to *Standards News* readers. The documents are available at <http://drafts.bsigroup.com/>.

Due 31 January 2012

PAS 555, Cyber security risk - Governance and management - Specification

This PAS specifies a framework for the governance and management of cyber security risk. The requirements of this PAS define the overall outcomes of effective cyber security, and include technical, physical, cultural and behavioural measures alongside effective leadership and governance. There are many standards and guidelines available that can help tackle cyber security risk, but they tend to define good practice as to how elements of effective cyber security might be achieved. PAS 555 does not specify such processes or actions; it allows an organization to choose how it achieves the specified outcomes, whether that be through the adoption of other standards and management systems, such as BS ISO/IEC 27001, or through its own defined processes.

EN 14908-1, Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Part 1. Protocol Stack

This European Standard applies to a communication protocol for networked control systems in commercial Building Automation, Controls and Building Management. The protocol provides peer-to-peer communication for networked control and is suitable for implementing both peer-to-peer and master-slave control strategies. This specification describes services in layers 2 to 7. In the layer 2 (data link layer) specification, it also describes the MAC sub-layer interface to the physical layer. The physical layer provides a choice of transmission media. The interface described in this specification supports multiple transmission media at the physical layer. In the layer 7 specification, it includes a description of the types of messages used by applications to exchange application and network management data.

EN 14908-2, Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Twisted Pair Communication

This European Standard specifies the control network protocol (CNP) free-topology twisted-pair channel for networked control systems in commercial Building Automation, Controls and Building Management and is used in conjunction with FprEN 14908-1:2012. The channel supports communication at 78,125 kbit/s between multiple nodes, each of which consists of a transceiver, a protocol processor, an application processor, a power supply, and application electronics. This European Standard covers the complete physical layer (OSI Layer 1), including the interface to the Media Access Control (MAC) sub-layer and the interface to the medium. Parameters that are controlled by other layers but control the operation of the physical layer are also specified.

EN 14908-3, Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Part 3. Power Line Channel Specification

This European Standard specifies all the information necessary to facilitate the exchange of data and control information over the power line medium for networked control systems in commercial Building Automation, Controls and Building Management. It establishes a minimal set of rules for compliance. It does not rule out extended services to be provided, given that the rules are adhered to within the system. It is the intention of the standard to permit extended services (defined by users) to coexist.

EN 14908-4, Open Data Communication in Building Automation, Controls and Building Management. Control Network Protocol. Part 4. IP Communication

This European Standard specifies the transporting of the Control Network Protocol (CNP) packets for commercial Building Automation, Controls and Building Management over Internet Protocol (IP) networks using a tunnelling mechanism wherein the CNP packets are encapsulated within IP packets. It applies to both CNP nodes and CNP routers. The purpose is to ensure interoperability between various CNP devices that wish to use IP networks to communicate using the CNP protocol.

Due 31 Mar 2013

EN 1263-2, Safety nets Part 2: Safety requirements for the positioning limits

This European Standard specifies safety requirements for the positioning of safety nets in accordance with the manufacturer's instruction manual and with the product specifications and for the testing of system S, system T, system U and system V safety nets in accordance with EN 1263-1. Small safety nets of system S according to EN 1263-1 (less than 35 m² and 5,0 m on the shortest side) are not dealt with in this European Standard.

Due 15 April 2013

EN 353-1, Personal fall protection equipment - Guided type fall arresters including an anchor line Part 1: Guided type fall arresters including a rigid anchor line

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for guided type fall arresters including a rigid anchor line usually attached to or integrated in fixed ladders or rungs adequately adjusted to suitable structures. Guided type fall arresters including a rigid anchor line conforming to this European Standard constitute one of the fall arrest systems covered by EN 363, when connected to a fall arrest attachment point of a full body harness specified in EN 361. This European Standard applies to rigid anchor lines which are intended to be installed vertically and/or

with a combination of forward-leaning angle and/or lateral angle between the true vertical and the vertical +15°.

Draft IEC Documents

The International Electrotechnical Commission (IEC) is 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. Comments from citizens of the United States of America on IEC drafts should be sent to Charles T. Zegers at czegers@ansi.org.

108/495/CDV, IEC 62368-1 Ed 2.0: Audio/video, information and communication technology equipment - Part 1: Safety requirements, 1 March 2013

108/496/CDV, IEC 60065 Ed 8.0: Audio, video and similar electronic apparatus - Safety requirements, 01 March 2013

65B/858/FDIS, IEC 61131-3 Ed 3: Programmable controllers - Part 3: Programming languages, 18 January 2013

77B/681/CD, IEC 61000-4-5: Electromagnetic compatibility (EMC) Part 4-5: Testing and measurement techniques - Surge immunity test, 18 January 2013

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/IEEE C63.22-2004 (R2012), Standard Guide for Automated Electromagnetic Interference Measurements (reaffirmation of ANSI/IEEE C63.22-2004): 30 November 2012

ANSI/IEEE C63.23-2012, Standard Guide for Electromagnetic Compatibility - Computations and Treatment of Measurement Uncertainty (new standard): 3 December 2012

INCITS/ISO/IEC 19776-1:2012, Information technology - Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) encodings - Part 1: Extensible Markup Language (XML) encoding (identical national adoption of ISO/IEC 19776-1:2009 and revision of INCITS/ISO/IEC 19776-1-2009 and INCITS/ISO/IEC 19776-1-2005 Amendment 1-2009): 16 December 2012

INCITS/ISO/IEC 29136-2012, Information technology - User interfaces - Accessibility of personal computer hardware (identical national adoption of ISO/IEC 29136:2012): 30 November 2012

Newly Published IEC & ISO Documents

Listed here are documents recently approved by the International Electrotechnical Commission and the International Organization for Standardization. The prices shown are those if purchased from the ANSI Electronic Standards Store at <http://webstore.ansi.org/>. The prices might be lower or higher from other vendors.

IEC 61937-3 Ed. 2.0 b:2007, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 3: Nonlinear PCM bitstreams according to the AC-3 and enhanced AC-3 formats, \$74.00

IEC 61937-4 Ed. 1.0 b:2003, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 4: Nonlinear PCM bitstreams according to the MPEG audio format, \$74.00

IEC 61937-6 Ed. 2.0 b:2006, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 6: Nonlinear PCM bitstreams according to the MPEG-2 AAC and MPEG-4 AAC formats, \$128.00

IEC 61937-7 Ed. 2.0 b:2004, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying to IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats, \$74.00

IEC 61937-9 Ed. 1.0 b:2007, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 9: Nonlinear PCM bitstreams according to the MAT format, \$55.00

IEC 61937-SER Ed. 1.0 b:2012, Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - All parts, \$849.00

ISO Guide 78:2012, Safety of machinery - Rules for drafting and presentation of safety standards, \$126.00

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.

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

Control Protocols Working Group	09:00 - noon	Saturday 26 January 2013
Control Protocols Plugfest	16:00 - 23:00	Friday 25 January 2013
	09:00 - 23:00	Saturday 26 January 2013
	09:00 - 23:00	Sunday 27 January 2013
	09:00 - noon	Monday 28 January 2013
	Control Protocols E1.30-12 Task Group	13:00 – 17:00
Control Protocols E1.33 Task Group	13:00 – 19:00	Saturday 26 January 2013
Electrical Power Working Group	09:00 - noon	Friday 25 January 2013
Fog & Smoke Working Group	19:00 - 23:00	Friday 25 January 2013
Photometrics Working Group	14:00 - 18:00	Saturday 26 January 2013
Rigging Working Group	19:00 - 23:00	Thursday 24 January 2013
Rigging BSR E1.39 Task Group	09:00 - 16:00	Friday 25 January 2013
Rigging BSR E1.43 Task Group	09:00 - 17:00	Thursday 24 January 2013
	14:00 - 18:00	Friday 25 January 2013
Rigging BSR E1.44 Task Group	09:00 – 13:00	Friday 25 January 2013
Technical Standards Council	09:00 - 13:00	Sunday 27 January 2013
Working Group Chairs	14:00 - 18:00	Friday 25 January 2013

Reserve a hotel room at the Marriott Solana at a special rate at <http://plasa.me/lcvnz>.

The meetings shown below are scheduled to be held at the Hyatt Regency Milwaukee in conjunction with the USITT Conference and Stage Expo:

Control Protocols BSR E1.33 Mo RDM TG	13:00 - 18:00	Saturday, 23 March 2013
Control Protocols Working Group	09:00 - 13:00	Thursday, 21 March 2013
Electrical Power Working Group	09:00 - noon	Wednesday, 20 March 2013
Floors Working Group	08:00 - 11:00	Saturday, 23 March 2013
Followspot Position Working Group	09:00 - 10:00	Friday, 22 March 2013
Rigging Working Group	19:00 - 23:00	Friday, 22 March 2013
Rigging BSR E1.6-2 Task Group	08:00 - noon	Wednesday 20 March 2013
Rigging BSR E1.44 Task Group	09:00 - 13:00	Wednesday 20 March 2013
Technical Standards Council	13:00 - 17:00	Wednesday, 20 March 2013

Reserve a hotel room for the March meetings at <http://plasa.me/etdnm>.

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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