plasastandards
worldwide standards for the entertainment industries

PLASA Standards News

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Welcome to the New News

Welcome to the new *PLASA Standards News*, a continuation of *Standards Watch*, but now the product of combining the assets of the Technical Standards Program and the Technical Resources Office to provide better global coverage. The newsletter is a bookmarked PDF; opening the bookmarks menu on your reader will reveal a table of contents with links to the articles. Past research showed that most people read *Standards Watch* on-screen and did not print it, but if readers would like to print paper copies of this *Standards News*, it is formatted for a page that is no wider than A4 and no longer than US letter. Thus, it will print on any size paper likely to be readily to hand without scaling. Simply select the paper you have—A4 or letter—and direct the printer to use that.

No listing of standards development that might materially affect the interests of *PLASA Standards News* readers ever can be complete, but it would be good to make the listings here as comprehensive as possible. Readers who know of other national standards work not listed here that might affect *Standards News* readers are invited to send notice to standards.na@plasa.org.

Two Control Protocols Standards in Review for Reaffirmation

ANSI E1.3, *Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification,* and ANSI E1.27-1, *Entertainment Technology-Standard for Portable Control Cables for Use with USITT DMX512/1990 and E1.11 (DMX512-A) Products*, are announced as being in public review for reaffirmation from now through the end of February 2011. The intention of the Control Protocols Working Group at this time is to reaffirm the existing standards as they are, but this is, of course, contingent on any objections or comments that the public might offer. The public review forms are accessible at http://tsp.plasa.org/tsp/documents/public_review_docs.php. The standards themselves are being sold by The ESTA Foundation at http://www.estafoundation.org/pubs.htm at their normal prices.

ANSI E1.3 describes a method of controlling equipment by means of an analog control voltage in the nominal range from zero to 10 volts positive. It is primarily intended for theatrical lighting controllers and controlled devices (e.g., dimmers), but any device could use this control method. E1.3 controllers are current-source devices. The committee proposes to reaffirm the existing standard.

ANSI E1.27-1 is a standard for portable data cable used in USITT DMX512/1990 and ANSI E1.11-2004 lighting control systems. E1.27-1 standardizes the wiring of the data cable and requires labeling so single data-pair and dual data-pair cables can be distinguished from each other. The committee proposes to reaffirm the existing standard.

Draft Chain Hoist Standard and Extensions to RDM Still Available for Review

Two draft standards continue to be posted for public review through 7 February 2011 at http://tsp.plasa.org/tsp/documents/public_review_docs.php: BSR E1.6-2–201x, *Entertainment Technology* --

Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry; and BSR E1.37-1–201x, *Additional Message Sets for ANSI E1.20 (RDM) - Part 1, Dimmer Message Sets.*

BSR E1.6-2–201x deals with chain hoists as used in the entertainment industry as part of a performance or in preparation for a performance—not as warehouse or factory material handling devices. BSR E1.37-1–201x is part of the BSR E1.37 project to add additional features to RDM. This part is a first installment that provides additional get/set parameter messages (PIDs) that are intended for, but are not limited to, use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

ANSI Approves Three TSP Standards

ANSI's Board of Standards Review approved as American National Standards E1.17—2010, a revision of the existing ANSI E1.17— 2006, Architecture for Control Networks (commonly called "ACN"); E1.20—2010, a revision of the existing ANSI E1.20 —2006, Entertainment Technology -- Remote Device Management over USITT DMX512 Networks (commonly called "RDM"); and E1.30-1—2010, EPI 23, Device Identification Subdevice, a new standard, on January 6th, 4th, and 6th respectively. The new standards will be published in the next few weeks.

The revision of ANSI E1.17 does not alter the entire suite of documents that make up the standard, but does significantly change some of the most important ones. The changes include revisions to the Device Description Language, the Session Data Transport protocol, the Device Management Protocol, and to a selection of various EPIs. The revisions correct errors in the original documents and add functionality to the standard.

The revision to ANSI E1.20 was originally started to correct a few errors in the published document. However, as working group members were writing BSR E1.37, a draft standard offering additional message sets for RDM (now in public review), they realized that the message sets would be simpler if the basic version of RDM had some means for a device that had reported a problem later to say, "My problem is gone now." That new message was added for the last public review of the revised RDM, and received no comments.

E1.30-1, EPI 23, Device Identification Subdevice, is another little recipe for ANSI E1.17. This recipe specifies a collection of properties which may be exposed by a DMP device to provide detailed information on the manufacturer, model, serial number, hardware and software revisions and other administrative details of the device. These properties are described in a standard format as a templated DDL (sub)device. It works with the new version of DDL specified in the revision to ANSI E1.17.

Four More Days for UK's RIDDOR

The UK's Health and Safety Executive has announced a plan for the publication of consultation documents to modify the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 to increase the number of days for reporting an injury or accident from the current three days to seven. This change would allow enough time for a person to obtain a "fit note" from a doctor for sickness absence, and would help ensure that someone who has suffered a reportable injury has had a professional medical assessment. The three-month consultation (public review) is announced in the press release (available at http://www.hse.gov.uk/press/2010/hse-riddor.htm) as starting in January 2011, but as of 14 January 2011 the consultation documents had not yet been posted at http://www.hse.gov.uk/consult/live.htm.

HSE Issues Scissor Lifts Safety Alert

The UK's Health and Safety Executive (HSE) issued a safety alert on 5 January to all users of JLG 500RTS and 400 RTS scissor lifts, to ensure that critical safety components are working correctly. HSE reports that, in the three fatal overturn incidents in Europe over the past four years, the oscillating axle failed to lock when the platform was raised. Furthermore, the lift/drive interlock system did not work, allowing the platform to be elevated above 6.7 m without the stabilizers being deployed. Owners of both these types of scissor lifts are

being advised to ensure that the oscillating axle lockout system and the lift/drive cut out switches are checked. The HSE's safety alert is posted at http://www.hse.gov.uk/safetybulletins/scissorlifts.htm.

US Department of Labor Doesn't Adopt an SDoC System

The U.S. Department of Labor's Occupational Safety and Health Administration announced on 17 December 2010 that it will not abandon its NRTL third-party certification system for ensuring that electrical products used in the workplace are safe. The European Union had requested that OSHA explore the possibility of adopting its system, known as Supplier's Declaration of Conformity. Under the EU system, manufacturers declare that their products meet safety requirements before placing these products on the market; enforcement is therefore by a post-market surveillance system to verify whether products are safety-compliant. In 2008 OSHA started considering the adoption of SDoC, and now has rejected that proposal because adopting it would be more expensive to administer, perhaps exceeding OSHA's budget, and because the current third-party certification system works. OSHA also says it lacks the authority to implement the enforcement powers required for an effective SDoC system, including issuing product recalls and bans, and assessing fines. The press release announcing the decision is available at http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=NEWS_RELEASES&p_id=18975.

OSHA Posts Online Resource for Green Job Safety

Information on green job hazards is available on the OSHA website at http://www.osha.gov/dep/greenjobs/index.html. Green jobs are being defined broadly as jobs that help to improve the environment, such as in the wind and solar energy, recycling and biofuels industries. However, workers in the green industries may face hazards that are commonly known in workplaces, such as falls, confined spaces, electrical, fire, and other similar hazards, and may face new hazards that may not have been previously identified. For example, workers in the solar energy industry may be exposed to cadmium telluride, a known carcinogen, if adequate controls are not implemented.

Millions of New Jobs with Unleashed Spectrum

The up-beat speech FCC Chairman Julius Genachowski gave at the 2011 International Consumer Electronics Show in Las Vegas may be interesting (or infuriating) reading for *Standards News* readers. He laid out his opinion that the FCC must make more of the RF spectrum available for mobile devices, saying, ". . . our innovation future depends on whether our government acts quickly to unleash more spectrum—the oxygen that sustains our mobile devices." If the government unleashes more spectrum, he foresees "millions of new jobs" and "endless new products and services." As an example of the government's unleashing, he noted, "We recently freed up 'white spaces' spectrum in the television bands . . . . This robust spectrum will bring innovations like Super Wi-Fi – faster and stronger than current Wi-Fi . . . . I hope to see companies large and small bring Super Wi-Fi and other products using this spectrum to next year's CES." Genachowski's speech is posted at http://www.fcc.gov/Daily_Releases/Daily_Business/2011/db0107/DOC-303984A1.pdf.

WTO Notifications

The U.S. Department of Commerce's web-based e-mail subscription service, Notify U.S., recently has announced a few notifications of WTO Technical Barriers to Trade that may be of interest to *Standards News* readers.

Canada Notification CAN/326

Date issued: 7 January 2011
Agency responsible: Department of Industry
National inquiry point: Intergovernmental Affairs and Trade, Standards Council of Canada (SCC)
Products covered: Radiocommunications Equipment

Title: Radiocommunication Act - Notice No. SMSE-016-10 - New issues of RSS-210, RSS-310 and RSS-Gen
Description of content: Notice is hereby given that Industry Canada is releasing the following revised documents:
- Radio Standards Specification RSS-210, Issue 8: Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment. This document sets out the minimum certification requirements for equipment certification of low power radio apparatus used for radiocommunication other than broadcasting.
- Radio Standards Specification RSS-310, Issue 3: Licence-exempt Radio Apparatus (All Frequency Bands): Category II Equipment. This document sets out standard requirements for licence-exempt radio apparatus used for radiocommunication, other than broadcasting, that is exempt from certification.
- Radio Standards Specification RSS-Gen, Issue 3, General Requirements and Information for the Certification of Radio Apparatus. This document sets out general requirements and provides information for the certification of apparatus that is used for radiocommunication other than broadcasting.
Objective and rationale: Protection of the network
Relevant documents: Canada Gazette, Part I, 11 December 2010, Pages 3149-3150 (available in English and French)
Proposed date of adoption: 11 December 2010 [three weeks before the notification was issued]
Proposed date of entry into force: Not given by country
Final date for comments: 10 April 2011
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN326%28english%29.pdf

European Communities Notification EEC/358
Date issued: 10 January 2011
Agency responsible: European Commission (EC)
National inquiry point: European Communities (EC) TBT Enquiry Point
Products covered: Certain chemical substances and mixtures
Title: Proposal for a Regulation of the European Parliament and of the Council on the Marketing and Use of Explosives Precursors (COM(2010) 473)
Description of content: The proposed Regulation prohibits the sales of certain chemicals above certain concentration thresholds, both set in Annex I of the proposal, to members of the general public. The sales of higher concentrations would only be allowed to users who can document a legitimate need to use the chemical - these users can obtain a licence to purchase the chemical from the relevant national authorities. The obligation to possess a license to purchase the respective products (containing listed chemicals above the stated concentration thresholds) should be indicated clearly on the packaging thereof. In addition to this, the proposed Regulation introduces an obligation to report suspicious transactions (concerning sales to end users from the general public).
Objective and rationale: The proposed regulation addresses the problem of the misuse of certain chemicals, which are widely available to the general public on the market, as precursors to homemade explosives. Home-made explosives, in turn, are a popular tool preferred of terrorists and other criminals to perpetrate attacks. The main aim of the measures proposed is to reduce this risk by preventing access to selected highly concentrated chemicals by members of the general public.
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 10 April 2010
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/EEC/full_text/pdf/EEC358%28english%29.pdf
[The annexes of the full text list the chemicals that would be banned or restricted for sale to the general public. The list includes hexamine, sulfuric acid, nitric acid, hydrogen peroxide, and acetone, as well as oxidizers commonly used in pyrotechnics and amateur rocket propellants.]

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 would be able to 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. However, every nation that participates in sharing these WTO TBT notices has some means for their constituents to file objections. If you are not a US citizen and have an objection, please find out what your procedure is and tell the editors of *Standards News* so we can share this with other readers.

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 February 2011

BSR/ICC 300-201x, Standard for Bleachers, Folding and Telescopic Seating, and Grandstands (revision of ANSI/ICC 300-2007)
Develops appropriate, reasonable, and enforceable model health and safety provisions for new and existing installations of all types of bleachers and bleacher-type seating, including fixed and folding bleachers for indoor, outdoor, temporary and permanent installations. Such provisions would serve as a model for adoption and use by enforcement agencies at all levels of government in the interest of national uniformity.
Obtain an electronic copy from: http://www.iccsafe.org/cs/IS-BLE/Pages/default.aspx
Send comments to: Edward Wirtschoreck, ewirtschoreck@iccsafe.org
Single copy price: Free

BSR/ICC 400-201x, Standard on the Design and Construction of Log Structures (revision and redesignation of ANSI/ICC 400-2007)
Provides technical design and performance criteria that will facilitate and promote the design, construction, and installation of safe and reliable structures constructed of log timbers
Obtain an electronic copy from: http://www.iccsafe.org/cs/IS-LOG/Pages/default.aspx
Send comments to: Edward Wirtschoreck, ewirtschoreck@iccsafe.org
Single copy price: Free

BSR INCITS/ISO/IEC 14165-133-201x, Information technology - Fibre Channel - Part 133: Switch Fabric-3 (FC-SW-3) (identical national adoption of ISO/IEC 14165-133:2010)
Describes how switches communicate and interact with one another to form a fabric of switches. This standard includes:
(a) E_Port Operation and Fabric Configuration;
(b) Path selection (FSPF and FSPF-Backbone);
(c) Bridge Port (B_Port) Operation;
(d) Distributed server interaction and communication;
(e) Exchange of information between switches to support zoning; and
(f) Distribution of event notifications between switches.
Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org
Send comments to: Barbara Bennett, bbennett@itic.org
Single copy price: $249.00

BSR INCITS/ISO/IEC 14165-321-201x, Information technology - Fibre Channel - Part 321: Audio-Video (FC-AV) (identical national adoption of ISO/IEC 14165-321:2009)
Fibre Channel is a high-speed serial interface using either optical or electrical connections (i.e., the physical layer) at data rates currently up to 2 Gbits/s with a growth path to 10 Gbits/s, and provides a general data transport vehicle for Upper Level Protocols (ULPs) such as Intelligent Peripheral Interface (IPI) and Small Computer System Interface (SCSI) command sets, the High-Performance Parallel Interface (HIPPI) data framing, IP (Internet Protocol), ANSI/IEEE 802.2, and others.
Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org
Send comments to: Barbara Bennett, bbennett@itic.org
Single copy price: $193.00

BSR INCITS/ISO/IEC 14165-331-201x, Information technology - Fibre Channel - Part 331: Virtual Interface (FC-VI) (identical national adoption of ISO/IEC 14165-331:2007)
Fibre Channel is a high-speed serial interface using either optical or electrical connections (i.e., the physical layer) at data rates currently up to 2 Gbits/s with a growth path to 10 Gbits/s, and provides a general data transport vehicle for Upper Level Protocols (ULPs) such as Intelligent Peripheral Interface (IPI) and Small Computer System Interface (SCSI) command sets, the High-Performance Parallel Interface (HIPPI) data framing, IP (Internet Protocol), ANSI/IEEE 802.2, and others. The topologies supported by Fibre Channel include point-to-point, switched fabric, and arbitrated loop.
Obtain an electronic copy from: http://www.incits.org or http://webstore.ansi.org
Send comments to: Barbara Bennett, bbennett@itic.org
Single copy price: $193.00

Due 28 February 2011

BSR/AWS C3.7M/C3.7-201x, Specification for Aluminum Brazing (revision of ANSI/AWS C3.7M/C3.7-2005)
Presents the minimum fabrication, equipment, material, process procedure and inspection requirements for the brazing of aluminum by all of the processes commonly used - atmosphere furnace, vacuum furnace, and flux processes. This standard provides criteria for classifying aluminum-brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability of each class. The specification defines acceptable brazing equipment, materials and procedures, as well as the required inspection for each class of joint.
Order from: Rosalinda O'Neill, roneill@aws.org
Send comments to: Andrew Davis, adavis@aws.org
Single copy price: $25.00

BSR/AWS C3.8M/C3.8-201x, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints (revision of ANSI/AWS C3.8M/C3.8-2005)
Provides the minimum requirements for the pulse-echo ultrasonic examination of brazed joints. The purpose of this document is to standardize brazed-joint ultrasonic examination requirements for all applications in which brazed joints of assured quality are required. It provides minimum requirements for equipment, procedures, and the documentation of such tests.
Order from: Rosalinda O'Neill, roneill@aws.org
Send comments to: Andrew Davis, adavis@aws.org
Single copy price: $25.00

BSR/UL 8750-201x, Standard for Safety for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2009)
The following changes in requirements to the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750, are being proposed:
(1) Revises the definition for the dead conductive part;
(2) Revises the risk of electric shock definition;
(3) Allows for LED drivers to comply with UL 935;
(4) Removes the restriction requiring epoxy material for potting compound in 6.6.1;
(5) Clarifies the requirements for asphalt potting compounds;

(6) Adds an exception to 7.1.2 to allow gold or aluminum conductive materials on trace conductors and electrical connections;
(7) Revises 7.3.4 to include provisions for solder connections using solder reflow method;
(8) Adds additional wire types for power-limited circuit wiring;
(9) Adds requirements for transformer or coil insulation systems that operate above Class 105(A) limits;
(10) Clarifies requirements for Class 2 output circuits;
(11) Revises Table 8.1 to include temperature limits for switches, terminal blocks, connectors, and other discrete devices;
(12) Revises requirements involving cheesecloth to include fire indicator material;
(13) Revises requirements for leakage current measurement test in Section 8.7;
(14) Environmental tests and Class 2 applications;
(15) Marking provisions;
(16) Revises coil insulation requirements to allow triple-insulated wiring in transformers/inductors;
(17) Adds test oven specification for temperature test; and
(18) Miscellaneous and minor proposed revisions to clarify original requirements.
Single copy price: Contact comm2000 for pricing and delivery options
Obtain an electronic copy from: comm2000, http://www.comm-2000.com
Send comments to: Heather Sakellariou, Heather.Sakellariou@us.ul.com

[There are no new BSI or DIN standards in public review to announce in this issue of Standards News.]

New ANS Projects

ANSI has announced the following new project (one!) that 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/MTS 2.0 IP Guide-201x, Integrated Process for Sustainable Buildings & Communities (revision and redesignation of ANSI/MTS 1.0 WSIP Guide-2007)
Defines the Integrative Process for design and construction of sustainable buildings and communities. This PINS notice is to revise the existing ANSI Integrative Process Standard.
Contact: Mark Carter, mts@sustainableproducts.com

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 may include withdrawals as well as the adoption of new standards and the revision or reaffirmation of existing standards.

ANSI/AISC 358-2010, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (revision of ANSI/AISC 358-2005): 5 January 2011

ANSI/APSP 14-2011, Standard for Portable Spa Energy Efficiency (new standard): 4 January 2011

ANSI/ASABE S618-2010, Post Frame Building System Nomenclature (new standard): 4 January 2011

ANSI/ASSE Z690.1-2011, Vocabulary for Risk Management (identical national adoption of ISO Guide 73:2009): 11 January 2011

ANSI/ASSE Z690.2-2011, Risk Management - Principles and Guidelines (identical national adoption of ISO 31000:2009): 11 January 2011

ANSI/ASSE Z690.3-2011, Risk Assessment Techniques (identical national adoption of ISO/IEC 31010:2009): 11 January 2011

ANSI/IEEE 1241-2010, Standard for Terminology and Test Methods for Analog-to-Digital Converters (revision of ANSI/IEEE 1241-2000): 4 January 2011

ANSI/IESNA RP-27.2-2000 (R2010), Photobiological Safety for Lamps and Lamp Systems - Measurement Techniques (reaffirmation of ANSI/IESNA RP-27.2-2000): 23 December 2010

ANSI/UL 1286-2011, Standard for Safety for Office Furnishings (revision of ANSI/UL 1286-2010): 6 January 2011

ANSI/UL 1286-2011a, Standard for Safety for Office Furnishings (revision of ANSI/UL 1286-2010): 6 January 2011

INCITS/ISO/IEC 10646:2003 AMENDMENT 7:2011, Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Amendment 7: Mandaic, Batak, Brahmi, and other characters (identical national adoption of ISO/IEC 10646:2003 AMENDMENT 7:2010): 11 January 2011

Recently Published ISO Documents

The International Organization for Standardization (ISO) recently has published a couple of documents that may be of interest to *Standards News* readers.

ISO/IEC ISP 29110-2:2011, Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 2: Framework and taxonomy, $103.00

ISO/IEC ISP 29110-4-1:2011, Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 4-1: Profile specifications: Generic profile group, $165.00

TSP Meeting Schedule

The following meetings will be held at the Dallas/Ft. Worth Marriott Solana in Westlake, TX. Please visit https://www.esta.org/news/hotelreservations.php to make a hotel room reservation. The deadline is past, so there is no guarantee that rooms are still available.

Control Protocols BSR E1.30 Mo ACN TG	09:00 - 18:00, Sunday 23 January 2011
Control Protocols BSR E1.33 RDM TG	13:00 - 18:00, Saturday 22 January 2011
	13:00 - 18:00, Sunday 23 January 2011
Control Protocols Plug Fest	16:00 - 23:00, Friday 21 January 2011
	09:00 - 23:00, Saturday 22 January 2011
	09:00 - 22:00, Sunday 23 January 2011
Control Protocols WG	09:00 - 13:00, Monday 24 January 2011
Electrical Power WG	09:00 - noon, Sunday 23 January 2011
Fog & Smoke WG	19:00 - 23:00, Sunday 23 January 2011
Photometrics WG	14:00 - 18:00, Monday 24 January 2011

Rigging BSR E1.21 Outdoor Structures TG	13:00 - 23:00, Friday 21 January 2011
	08:00 - noon, Saturday 22 January 2011
Rigging BSR E1.39 PFAS TG	09:00 - 17:00, Sunday 23 January 2011
Rigging BSR E1.6-1 Powered Winch TG	19:00 - 23:00, Saturday 22 January 2011
	09:00 – 21:00, Sunday 23 January 2011
	08:00 - noon, Monday 24 January 2011
Rigging WG	13:00 - 18:00, Saturday 22 January 2011
Technical Standards Committee	09:00 - 13:00, Tuesday 25 January 2011
Working Group Chairs	14:00 - 18:00, Sunday 23 January 2011

The following meeting will be a webcast meeting. The Stage Lifts Working Group plans to meet this way on the second Monday of every month.

Stage Lifts WG BSR E1.42 webcast	15:00 - 18:00 EST, Monday 14 February 2011

The following meetings will be held at the Westin Charlotte in Charlotte, NC, in conjunction with the USITT Conference and Stage Expo.

Electrical Power WG	09:00 - noon, Wednesday 9 March 2011
Rigging WG	19:00 - 23:00, Wednesday 9 March 2011
Technical Standards Committee	13:00 - 17:00, Wednesday 9 March 2011
Control Protocols WG	09:00 - 13:00, Thursday 10 March 2011
Followspot Position WG	19:00 - 23:00, Thursday 10 March 2011
Rigging BSR E1.39 PFAS TG	09:00 - 18:00, Thursday 10 March 2011
Rigging BSR E1.6-4 Chain Hoist Control TG	09:00 - 13:00, Thursday 10 March 2011
Rigging BSR E1.6-1 Powered Winch TG	09:00 - 18:00, Thursday 10 March 2011
Rigging BSR E1.21 Outdoor Structures TG	09:00 - 18:00, Thursday 10 March 2011
Control Protocols BSR E1.30 Mo ACN TG	09:00 - 18:00, Friday 11 March 2011
Control Protocols BSR E1.37 Mo RDM TG	09:30 - 19:00, Friday 11 March 2011
Fog & Smoke WG	08:30 - 11:00, Friday 11 March 2011
Stage Lifts Working Group	15:00 - 18:00, Friday 11 March 2011
Control Protocols BSR E1.30 Mo ACN TG	09:00 - 18:00, Saturday 12 March 2011
Control Protocols BSR E1.37 Mo RDM TG	09:30 - 19:00, Saturday 12 March 2011
Floors WG	08:00 - 10:00, Saturday 12 March 2011
Photometrics WG	10:00 - 13:00, Saturday 12 March 2011
Control Protocols BSR E1.30 Mo ACN TG	09:00 - 18:00, Sunday 13 March 2011

PLASA Standards News

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