

PLASA Standards News

October 2014

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PLASA Public Reviews

Joining BSR E1.22 and BSR E1.39 in public review is BSR E1.51. The draft standards and review instructions are available for download at http://tsp.plasa.org/tsp/documents/public_review_docs.php. Review end dates are listed for each. Comments are due by the end of the day on the date listed below. The review is over—finished—when the "End Date" on the website is reached.

Due 3 November 2014

BSR E1.22 - 201x, Entertainment Technology - Fire Safety Curtain Systems, is a revision of the 2009 ANSI standard. It is being updated it to better align it with the requirements stated in NFPA 80. The draft standard describes the materials, design, fabrication, installation, operation, testing, and maintenance of fire safety curtains and systems used for theatre proscenium opening protection. This draft is available for public review *through 3 November 2014*.

BSR E1.39 - 201x, Entertainment Technology - Selection and Use of Personal Fall Arrest Systems on Portable Structures Used in the Entertainment Industry, establishes minimum requirements for the selection and use of personal fall arrest systems on portable structures in the entertainment industry. The standard establishes minimum requirements for products and portable structures used in the service of PFAS. Other methods of fall protection, such as safety nets and guard rails, are not within the scope of this standard. This standard does not preclude the use of other standards to promote worker safety. It is available for public review *through 3 November 2014*.

Due 17 November 2014

BSR E1.51 - 201x, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance, and Event Industries in Canada is intended to offer guidance in accordance with existing applicable standards and regulations in Canada on how to select, install, use and maintain single-conductor portable feeder cables used to supply power for television, film, live performance, and special events in Canada. It is available for public review *through 17 November 2014*.

FCC Expands Part 74 Rules to Include Wireless Microphones

The Federal Communications Commission is changing the Low Power Auxiliary Station license eligibility rules to include professional sound companies and operators of large venues that routinely use 50 or more wireless microphones, where the use of wireless microphones is an integral part of the major productions or events they host. The official effective date of this change is 13 August, except for § 74.832, which requires approval by the Office of Management and Budget (OMB). That part is crucial because it is the part that actually enacts the licensing procedure. Normally OMB approval takes about 150 days. The application was filed in mid-August, so the licensing should be in effect in mid-January 2015. When licensing is implemented, microphone users and large venue operators are strongly encouraged to use the on-line Universal Licensing System, <http://www.fcc.gov/help/applying-new-license-universal-licensing-system-uls>.

In the meantime and in any case, Bill Stafford of the FCC's Wireless Telecommunications Bureau, the person identified as the contact in <http://www.regulations.gov/#!documentDetail;D=FCC-2014-0244-0001>, strongly recommends that wireless microphone users check spectrum availability and registering unlicensed devices with one of the on-line white space databases. PLASA's Technical Standards Manager knows of two of them. There may be others. The Google database is available at <http://www.google.org/spectrum/whitespace/index.html>, with registration at <http://www.google.com/get/spectrumdatabase/register/>. Spectrum Bridge offers similar services at <http://whitespaces.spectrumbridge.com/Main.aspx>. More information is available at <http://www.regulations.gov/#!documentDetail;D=FCC-2014-0244-0001>.

Changes to OSHA Injury Reporting

OSHA is issuing a final rule to update the appendix to its Injury and Illness Recording and Reporting regulation. The appendix contains a list of industries that are partially exempt from requirements to keep records of work-related injuries and illnesses due to relatively low occupational injury and illness rates. The updated appendix is based on more recent injury and illness data and lists industry groups classified by the North American Industry Classification System (NAICS). The current appendix lists industries classified by Standard Industrial Classification (SIC).

The final rule also revises the requirements for reporting work-related fatality, injury, and illness information to OSHA. The current regulation requires employers to report work-related fatalities and in-patient hospitalizations of three or more employees within eight hours of the event. The final rule retains the requirement for employers to report work-related fatalities to OSHA within eight hours of the event but amends the regulation to require employers to report all work-related in-patient hospitalizations, as well as amputations and losses of an eye, to OSHA within 24 hours of the event. The final rule becomes effective 1 January 2015. More information at <http://plasa.me/vnny8>.

Standards Conference in Brussels

DIN is hosting a conference on 30 October 2014, at Brussels Square in Belgium, called "Standards - Your Innovation Bridge." The conference will explore the role standards play in research and development by bringing together experts from both the world of standards development and the worlds of research and innovation. The goal of the conference is to give attendees insight into the various aspects of standardization as a bridge between research, innovation, and the market. More information on the conference at http://www.eu-ems.com/summary.asp?event_id=235&page_id=2027.

Call for Student Papers on Standardization as a Driver of Innovation

As part of its continuing efforts to raise awareness among post-secondary students of the strategic significance of standards and conformance, the American National Standards Institute (ANSI), in conjunction with its Committee on Education (CoE), is pleased to announce its fourth annual student paper competition. The theme of the 2015 competition is Standards Inspire Innovation.

Entries are not to exceed 2,000 words, must be formatted in accordance with submission criteria, and are due by 5:00 p.m. ET on Thursday, 30 April 2015. Entries must be written and submitted by an enrolled college or university student(s) at the associate, undergraduate, or graduate level in a U.S. academic institute of higher learning. The competition is open to both full- and part-time students of all disciplines. Prizes will be awarded to first- and second-place winners.

Standardization plays an essential role in fostering business innovation, supporting the creation of new products, services, and related technologies, and bolstering the incorporation of new innovations into existing industries or systems. Submitted papers should use specific examples to demonstrate the part that standards play in boosting business innovation in the U.S. and/or around the world.

All submissions will be reviewed by top-level industry experts, and winning papers will be published on ANSI.org, StandardsBoostBusiness.org, StandardsLearn.org, and potentially in other media outlets. Winning submissions will be read by a large number of members of the standards community, including experts in government, industry, professional societies, and academic institutions.

Winning papers will be announced in late May or early June 2015. For full submission criteria, view the ANSI 2015 Student Paper Competition flyer, available at <http://plasa.me/xmlvy>. Email entries by Thursday, 30 April 2015, to lrajchel@ansi.org.

IES Looking for Contributors on Document Update

The Illumination Engineering Society (IES) is looking for some people to participate in the update of IES LM-73-04 "Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products." This approved method describes the procedures and precautions for performing reproducible measurements of total luminous flux, electrical power, luminous intensity distribution and chromaticity of solid-state lighting (SSL) products for illumination purposes under standard conditions. The method covers LED-based SSL products with control electronics and heat sinks incorporated. It does not cover external operating circuits or external heat sinks (e.g., LED chips, LED packages, and LED modules). The method uses absolute photometry rather than relative photometry—which has historically been the lighting industry standard—for the measurement of SSL. Interested parties can contact Jody Good at Jmg@spectrum-engineers.com.

WTO Technical Barrier to Trade 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. If you have a problem with one of these WTO TBT notifications, you can protest it through your representative to the WTO. In the US, that is NIST (notifyus@nist.gov). See <http://ec.europa.eu/enterprise/tbt/> for European TBT objections.

Czech Republic Notification: CZE/178

Date issued: 15 September 2014

Agency Responsible: Ministry of Industry and Trade

National Inquiry Point: Czech Office for Standards, Metrology and Testing

Products covered: Luxmeter

Title: Draft general measure establishing metrological and technical requirements for specified measurement instruments, including testing methods for the type approval and verification of the specified measurement instruments: "luxmeters"

Description of content: This general measure establishes metrological and technical requirements for specified measurement instruments, including testing methods for the type approval and verification of specified measurement instruments, which in this case are luxmeters.

Objective and rationale: Luxmeters are specified measuring instruments within the meaning of § 3(3) of Act No 505/1990 on metrology, as amended, and are therefore subject to state metrological control, i.e. type approval and verification of specified measuring instruments. Currently, specific metrological and

technical requirements can be found in technical standards. This state of affairs needs to be addressed by incorporating the requirements into a binding general measure within the meaning of § 24c of Act No 505/1990 on metrology, as amended, in order to prevent problems with their enforceability.

Relevant documents: References to basic texts: -Act No 505/1990 on metrology, as amended; - § 171 et seq. of Act No 500/2004, the Administrative Procedure Code, as amended The basic texts were submitted with an earlier notification: 2014/0351/CZ.

Proposed date of adoption: 15 December 2014

Proposed date of entry into force: 15 December 2014

Final date for comments: 15 November 2014

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CZE/full_text/pdf/CZE178\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CZE/full_text/pdf/CZE178(english).pdf)

Korea, Republic of Notification: KOR/527

Date issued: 23 September 2014

Agency Responsible: National Radio Research Agency (RRA)

National Inquiry Point: Korean Agency for Technology and Standards (KATS), Ministry of Commerce, Industry and Energy (MOCIE) (KATS/MOCIE)

Products covered: Telecommunications equipment and electrical appliances

Title: Public Notification of Conformity Assessment for Broadcasting Communications Equipment

Description of content: Public Notification of NRRRA 2014-16 In amending some articles of the Notice on conformity assessment of broadcasting & telecommunications equipment, its intention and major changes are notified in accordance to the Administrative Proceeding Act, Article 46 in order to notify the public in advance and collect comments. Major Modifications include:

A) Reclassifying some certification equipment into DoC category (Article 3)

B) Excluding the certification information including the class of emission from the non-confidentiality (Article 7, Article 9, Article 13, Appendix Article 3, Appendix Article 9)

C) Clarifying the documentation from the reclassification of some certification equipment (Article 10)

D) Extending the scope of the modification in the conformity assessment (Article 15)

E) Securing the objectivity and the rationality on the criteria for the determination of the administrative sanction and the non-compliance of the market surveillance (Article 22)

Objective and rationale: This rule aims to specify the relevant matters regarding broadcasting and communication equipment and electrical appliances subject to conformity assessment and detail procedures of conformity assessment.

Relevant documents: RRA Public Notice No. 2014-16 (5 September 2014)

Proposed date of adoption: Not given by country

Proposed date of entry into force: 1 November 2014

Final date for comments: 23 November 2014

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR527\(korean\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/KOR/full_text/pdf/KOR527(korean).pdf)

Brazil Notification BRA/494/BRA (BRA/494 , Add.1 , Add.2 , Rev.1/Corr.1 ,)

Date issued: 23 September 2014

Corrigendum type: Addendum

Correction type: Correction with full text

Corrigendum: This addendum aims at informing that the Conformity Assessment Procedure, issued by the National Institute of Metrology, Quality and Technology (Inmetro) and notified under the document G/TBT/N/BRA/494/Add.2, laying down relevant provisions to the requirements and compulsory certification for wires, electrical cables and flexible cords, which should be performed by a compulsory third party certification carried out by an accredited body within the Brazilian System of Conformity Assessment - SBAC, was amended by the Inmetro Ordinance N° 392, 25 August 2014 (Portaria Inmetro N° 392 de 25 de Agosto de 2014) in order to postpone for more twelve (12) months the deadlines previously determined for household electrical clothes iron appliances, considering the requirements of Cables and Flexible cords with extruded chlorosulfonated polyethylene (CSP) insulation.

Full text:

[https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/corrigenda/pdf/BRA494_add_3\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/corrigenda/pdf/BRA494_add_3(portuguese).pdf)

Ecuador Notification ECU/178/ECU (ECU/178)

Date issued: 23 September 2014

Corrigendum type: Addendum

Correction type: Correction with full text

Corrigendum: The Republic of Ecuador hereby advises that Technical Regulation of the Ecuadorian Standardization Institute (RTE INEN) No. 137: "Grinders", the draft version of which was notified in

document G/TBT/N/ECU/178 of 17 February 2014, has been issued pursuant to Resolution No. 14 349 of 30 July 2014 of the Under-Secretariat for Quality of the Ministry of Industry and Productivity, published in Official Journal No. 320 of 27 August 2014.

Full text:

[https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/corrigenda/pdf/ECU178_add_1\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/corrigenda/pdf/ECU178_add_1(spanish).pdf)

Ecuador Notification ECU/110/ECU (ECU/110)

Date issued: 24 September 2014

Corrigendum type: Addendum

Correction type: Correction with full text

Corrigendum: The Republic of Ecuador hereby advises that Technical Regulation (RTE) No. 092 "Generators, generating sets and electric rotary converters" of the Ecuadorian Standardization Institute (INEN), the draft version of which was notified in document G/TBT/N/ECU/110 of 14 November 2013, has been issued pursuant to Resolution No. 14 370 of 13 August 2014 of the Under-Secretariat for Quality of the Ministry of Industry and Productivity, published in Official Journal No. 330 of Wednesday 10 September 2014.

Full text:

[https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/corrigenda/pdf/ECU110_add_1\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/ECU/corrigenda/pdf/ECU110_add_1(spanish).pdf)

Brazil Notification BRA/548/BRA (BRA/548)

Date issued: 24 September 2014

Corrigendum type: Addendum

Correction type: Correction with full text

Corrigendum: This addendum aims at informing that the technical regulation issued by the National Institute of Metrology, Quality and Technology (Inmetro), notified under the document G/TBT/N/BRA/548 which laid down technical requirements that must be met by televisions (HS 852510) cathode ray tubes (kinescopes); plasma screen; LED-backlit LCD display, focusing on electrical safety and energy efficiency was adopted as the final text through the Ordinance N° 427, 10 September 2014 (Portaria Inmetro N° 427, de 10 de Setembro de 2014) published in the Brazilian Official Journal N° 176, 12 September 2014, page 95.

Full text:

[https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/corrigenda/pdf/BRA548_add_1\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/corrigenda/pdf/BRA548_add_1(portuguese).pdf)

Canada Notification: CAN/424

Date issued: 25 September 2014

Agency Responsible: Department of Industry

National Inquiry Point: Foreign Affairs, Trade and Development Canada

Products covered: Radiocommunications

Title: Radiocommunication Act - Notice No. SMSE-014-14 - Release of RSS-216, Issue 1

Description of content: Notice is hereby given by Industry Canada that the following document will come into force effective immediately: - Radio Standards Specification RSS-216, Issue 1: Wireless Power Transfer Devices (Wireless Chargers), which sets out the minimum requirements for wireless power transfer devices with power management and/or control capabilities. The document was published to reflect recent changes in technical and certification requirements for the equipment.

Objective and rationale: Protection of the network

Relevant documents: Canada Gazette, Part I, 13 September 2014, Pages 2338-2339 -

<http://www.gazette.gc.ca/rp-pr/p1/2014/2014-09-13/pdf/g1-14837.pdf#page=12>

Proposed date of adoption: 13 September 2014

Proposed date of entry into force: 13 September 2014

Final date for comments: 11 January 2015

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN424\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN424(english).pdf)

Canada Notification: CAN/423

Date issued: 25 September 2014

Agency Responsible: Department of Industry

National Inquiry Point: Foreign Affairs, Trade and Development Canada

Products covered: Radiocommunications

Title: Radiocommunication Act - Notice No. SMSE-008-14 - Release of new issue of RSS-111

Description of content: Notice is hereby given by Industry Canada that the following document will come into force effective immediately: - Radio Standards Specification RSS-111, Issue 5: Broadband Public Safety Equipment Operating in the Band 4940-4990 MHz, which sets out the certification

requirements for radio transmitters for public safety purposes. The document was published to reflect recent changes in technical and certification requirements for the equipment.

Objective and rationale: Protection of the network

Relevant documents: Canada Gazette, Part I, 13 September 2014, Pages 2337-2338 - <http://www.gazette.gc.ca/rp-pr/p1/2014/2014-09-13/pdf/g1-14837.pdf#page=11>

Proposed date of adoption: 13 September 2014

Proposed date of entry into force: 13 September 2014

Final date for comments: 11 January 2015

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN423\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CAN/full_text/pdf/CAN423(english).pdf)

ANSI Public Review Announcements

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at psa@ansi.org.

Due 10 November 2014

BSR/ABMA/ISO 104:2014, Rolling bearings - Thrust bearings - Boundary dimensions, general plan (identical national adoption of ISO 104:2002)

Specifies the major boundary dimensions of single-direction and double-direction thrust bearings with flat back faces. In addition, it gives the minimum bore diameters of housing washers and maximum outside diameters of shaft washers of bearings in dimension series 11, 12, 13, 14, 22, 23, and 24. Guidelines for the extension of this international standard for single-direction thrust bearings are given in annex A.

Single copy price: \$36.00

Order from: info@americanbearings.org

Send comments to: James Converse, jconverse@americanbearings.org; jconverse1@nc.rr.com

BSR/ABMA/ISO 3096:2014, Rolling bearings - Needle rollers - Dimensions and tolerances (identical national adoption of ISO 3096:1996 and revision of ANSI/ABMA/ISO 3096:1998)

Specifies dimensions and tolerances for finished steel needle rollers used as rolling elements in rolling bearings. Replaces the first edition.

Single copy price: \$30.00

Order from: info@americanbearings.org

Send comments to: James Converse, jconverse@americanbearings.org; jconverse1@nc.rr.com

BSR C78.376-201x, Electric lamps: Specifications for the Chromaticity of Fluorescent Lamps (revision of ANSI C78.376-2001 (R2011))

This standard covers the objectives and tolerances for the chromaticity of T8, T10, and T12 fluorescent lamps with a nominal loading of from 5 to 10 watts per foot at their normal 100-hour rating point.

Single copy price: \$65.00

Order from and send comments to: Karen Willis, Karen.Willis@nema.org

Due 14 November 2014

NFPA Documents

The National Fire Protection Association announces the availability of NFPA *First Draft Report* for concurrent review and comment by NFPA and ANSI in the Volume 45, Number 38 issue of *Standards Action*.

The disposition of all comments received will be published in the *Second Draft Report* (formerly *Report on Comments*), also located on the document's information page under the next edition tab. The document's specific URL, www.nfpa.org/doc#next (for example www.nfpa.org/101next), can easily access the document's information page. All comments on the 2015 Fall Revision Cycle First Draft Report must be received by 14 November 2014.

BSR/NFPA 350-201x, Guide for Safe Confined Space Entry and Work (new standard)

This guide is intended to protect workers who enter into confined spaces for inspection or testing, or for performing associated work, from death and from life-threatening and other injuries or illnesses and to protect facilities, equipment, nonconfined space personnel, and the public from injuries associated with confined space incidents.

BSR/NFPA 70B-201x, Recommended Practice for Electrical Equipment Maintenance (revision of ANSI/NFPA 70B-2012)

This recommended practice applies to preventive maintenance for electrical, electronic, and communication systems and equipment and is not intended to duplicate or supersede instructions that manufacturers normally provide. Systems and equipment covered are typical of those installed in industrial plants, institutional and commercial buildings, and large multifamily residential complexes.

BSR/NFPA 102-201x, Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures (revision of ANSI/NFPA 102-2011)

This standard addresses the following: (1) The construction, location, protection, and maintenance of grandstands and bleachers, folding and telescopic seating, tents, and membrane structures; and (2) Seating facilities located in the open air or within enclosed or semi-enclosed structures such as tents, membrane structures, and stadium complexes.

BSR/NFPA 900-201x, Building Energy Code (revision of ANSI/NFPA 900-2012)

These regulations shall control the minimum energy-efficient requirements for the following: (1) The design, construction, reconstruction, alteration, repair, demolition, removal, inspection, issuance, and revocation of permits or licenses, installation of equipment related to energy conservation in all buildings and structures.

BSR/NFPA 1600-201x, Standard on Disaster/Emergency Management and Business Continuity Programs (revision of ANSI/NFPA 1600 -2012)

This standard shall establish a common set of criteria for all hazards disaster/emergency management and business continuity programs, referred to as "the program" in this standard.

Due 25 November 2014

BSR/ASME Y14.2-201x, Line Conventions and Lettering (revision and redesignation of ANSI/ASME Y14.2M-2008)

This Standard establishes the line and lettering practices for use in the preparation of drawings, including the recognition of the requirements for computer-aided design (CAD) and manually prepared drawings. When no exception or additional requirements are stated, existing ASME standards shall apply.

Single copy price: Free

Obtain an electronic copy from: <http://cstools.asme.org/publicreview>

Send comments to: Fredric Constantino, constantinof@asme.org

BSI Public Review Announcements

BSI Standards has announced draft documents for public review that might be of interest to *Standards News* readers. The documents may be commented on at <http://drafts.bsigroup.com/>.

Due 25 November 2014

ISO/IEC 23000-13:2014+A1 Information technology - Multimedia application format (MPEG-A) Part 13: Augmented reality application format - Amendment 1: ARAF reference software and conformance

This part of ISO/IEC 23000 specifies the Reference Software and Conformance.

ISO/IEC 23001-8:2013+A1 Information technology - MPEG systems technologies Part 8: Coding-independent code points - Amendment 1: Additional audio code points

This amendment adds new audio related code points to ISO/IEC 23001-8:2013.

Due 30 November 2014

BS 7629-1 Electric cables – Specification for 300/500 V fire resistant screened cables having low emission of smoke and corrosive gases when affected by fire for fixed installations - Part 1: Multicore cables

This British Standard specifies requirements and test methods for the construction and performance of cables which:

- have a thermosetting insulation of rated voltage 300/500 V;
- provide resistance to fire (circuit integrity), including with mechanical shock and with water, as measured by performance in a standard test or tests;
- emit limited amounts of smoke and corrosive gases as measured by a standard test;

- are primarily intended for use in emergency lighting, fire detection and fire alarm system circuits.

ISO 11475 Paper and board - Determination of CIE whiteness, D65/10 degrees (outdoor daylight)

This International Standard specifies the procedure to be used for determining the whiteness of papers and boards. The values obtained correspond to the visual appearance of white papers and boards with or without fluorescent whitening agents when they are viewed under the CIE D65 daylight illuminant. It is based on reflectance data obtained over the full visible spectral range (VIS) in contrast to the measurement of ISO brightness which is limited to the blue region of VIS.

Due 11 January 2015

BS 76000 Management system for valuing people in organizations- Requirements and guidance for use

This British Standard specifies high-level, strategic requirements for a management system for valuing people within an organization to enable an organization to manage and develop its people, manage related risks, and improve its people strategy and performance.

Due 25 January 2015

EN ISO 1514 Paints and varnishes - Standard panels for testing

This International Standard specifies several types of standard panels and describes procedures for their preparation prior to painting. These standard panels are for use in general methods of test for paints, varnishes and related products (see Annex B).

New ANS Projects

ANSI has announced the following new projects that might materially affect *Standards News* readers—or at least be interesting to them. Contact the developer if you (a) want to be involved in the project, or (b) object to the project and wish it to be abandoned, or (c) if you would like to point out that its scope is covered by an existing standard, thereby possibly making the project redundant or conflicting.

BSR/AWS D14.4/D14.4M-201X, Specification for the Design of Welded Joints in Machinery and Equipment (revision of ANSI/AWS D14.4/D14.4M-2012)

This specification sets forth requirements dealing with the allowable stresses, welded joint design, workmanship, procedure and performance qualification, inspection, repair, and post-weld treatments of welded connections used in machinery and equipment, subject to static and cyclic loading.

Contact: Efram Abrams, eabrams@aws.org

BSR/HPVA HP-1-201x, Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2009)

Details the specific requirements for all face, back, and inner ply grades as well as provisions for formaldehyde emissions, moisture content, manufacturing tolerances, sanding, and grade marking

Contact: Brian Sause, bsause@hpva.org

BSR ANSLG C78.43-201x, Electric Lamps - Single-Ended Metal Halide Lamps (revision of ANSI ANSLG C78.43-2013)

This standard sets forth the physical and electrical requirements for single-ended metal halide lamps operated on 60 Hz ballasts to ensure interchangeability and safety. The data given also provides the basis for the electrical requirements for ballasts and ignitors, as well as the lamp-related requirements for luminaires. Luminous flux and lamp color are not part of this standard.

Contact: Karen Willis, Karen.Willis@nema.org

BSR C82.77-11-201x, Lighting Equipment - High Frequency Emissions (new standard)

This standard references high-frequency emissions limits and specifications for operating lighting devices such as ballasts, LED drivers, self-ballasted LED lamps, self-ballasted fluorescent lamps. The scope includes lighting devices that operate from supply sources up to 600 V and 60 Hz.

Contact: Karen Willis, Karen.Willis@nema.org

BSR C82.77-12-201x, Lighting Equipment - Inrush Requirements (new standard)

This standard references the inrush current requirement standards for lighting devices such as electronic ballast, LED drivers, self-ballasted fluorescent lamps, and self-ballasted LED lamps.

Contact: Karen Willis, Karen.Willis@nema.org

BSR/ABMA/ISO 10285-2009 (R201x), Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances (reaffirmation of ANSI/ABMA/ISO 10285-2009)

Specifies the boundary dimensions, tolerances, and definitions for sleeve-type linear-motion ball bearings.
Contact: James Converse, jconverse@americanbearings.org

BSR Z356.1-201x, Crayons (new standard)

Proposed ANS will provide requirements for the dimensions, materials, breaking strength, characteristics, toxicity, working properties of crayons. Also test methods are provided for determining breaking strength, color uniformity and for molded "washable" crayons only removability from nonporous surfaces. Project Need: Re-establish ANS for crayons; prior ANS lapsed and was withdrawn.

Contact: David Baker, dbaker@acminet.org

BSR Z356.2-201x, Chalk (new standard)

The proposed standard will provide requirements for the dimensions, characteristics, materials, breaking strength, toxicity, color uniformity, and packaging for chalk. Test methods are provided for determining the material content, breaking strength, and color uniformity. Project Need: Re-establish ANS for chalk; prior ANS lapsed and was withdrawn.

Contact: David Baker, dbaker@acminet.org

BSR Z356.3-201x, Adhesives (new standard)

The proposed standard will establish nationally recognized quality, safety, and packaging requirements for paste, polymer-emulsion adhesives, and glue and will provide a basis for common understanding among producers, distributors, and users of these products.

Contact: David Baker, dbaker@acminet.org

BSR Z356.4-201x, Modeling Materials (new standard)

The proposed standard will provide a general description of various types of modeling materials intended for use in such places as schools and homes, their working qualities, characteristics, formulation, toxicity, packaging, and color range.

Contact: David Baker, dbaker@acminet.org

BSR Z356.5-201x, Paints and Inks (new standard)

The proposed standard will provide minimum requirements for materials, toxicity, coarse particle content characteristics, working qualities, preservative effectiveness, size, and packaging of paints and inks for art education. The proposed standard will cover the following eleven types of paints and inks: (1) Finger paint; (2) Powder finger paint; (3) Liquid tempera; (4) Powder tempera; (5) Cake tempera; (6) Acrylic paint, permanent; (7) Acrylic paint, washable; (8) Watercolor crayons; (9) Semi-moist watercolors; (10) Watercolor markers; and (11) Water-dispersible block printing inks.

Contact: David Baker, dbaker@acminet.org

Final Actions on American National Standards

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

ANSI/ASSE A10.44-2014, Control of Energy Sources (Lockout/Tagout) for Construction and Demolitions Operations (revision of ANSI A10.44-2006): 9 September 2014

ANSI/ASSE Z244.1-2003 (R2014), Control of Hazardous Energy - Lockout/Tagout and Alternative Methods (reaffirmation of ANSI/ASSE Z244.1-2003 (R2008)): 9 September 2014

ANSI/AWC SDPWS-2015, Special Design Provisions for Wind and Seismic (revision and redesignation of ANSI/AF&PA SDPWS-2008): 8 September 2014

ANSI/AWS B5.17-2014, Specification for the Qualification of Welding Fabricators (revision of ANSI/AWS B5.17-2008): 12 September 2014

ANSI/AWS B1.11M/B1.11-2014, Guide for the Visual Examination of Welds (new standard): 8 September 2014

ANSI/ISA 12.02.02-2014, Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (new standard): 8 September 2014

ANSI/ASSE Z359.14-2014, Safety Requirements for Self-Retracting Devices for Personal Fall Arrest & Rescue Systems (revision of ANSI/ASSE Z359.14-2012): 17 September 2014

Draft IEC and ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. *Standards News* readers interested in reviewing and commenting on a document should order a copy from their national representative and submit their comments through them. (The IEC and ISO don't want to hear from you directly.) Comments from US citizens on IEC documents should be sent to Charles T. Zegers at czegers@ansi.org. Comments from US citizens regarding ISO documents should be sent to Karen Hughes at isot@ansi.org. The deadline for comments is noted.

21A/561/FDIS, IEC 62620: Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications, 14 November 2014

34D/1145/FDIS, IEC 60598-2-20 Ed.4: Luminaires - Part 2-20: Particular requirements - Lighting chains, 07 November 2014

34D/1146/FDIS, IEC 60598-2-21 Ed.1: Luminaires - Part 2-21: Particular requirements - Rope lights, 7 November 2014

34D/1147/FDIS, IEC 62722-2-1 Ed.1: Luminaire performance - Part 2-1: Particular requirements for LED luminaires, 7 November 2014

34A/1796/FDIS, IEC 62717 Ed.1: LED modules for general lighting - Performance requirements, 7 November 2014

34A/1799/CD, IEC 62931 Ed.1: GX16t-5 capped tubular LED lamp - Safety specifications, 5 December 2014

47E/477/CDV, IEC 60747-2 Ed. 3: Semiconductor devices - Discrete devices - Part 2: Rectifier diodes, 12 December 2014

47E/478/CDV, IEC 60747-6 Ed. 3: Semiconductor devices - Discrete devices - Part 6: Thyristors, 12 December 2014

65E/398A/CDV, IEC 61987-13 Ed. 1.0: Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 13: Lists of properties (LOP) for Pressure Measuring Equipment for electronic data exchange, 24 October 2014

65E/400/CDV, IEC 62264-4 Ed. 1.0: Enterprise-Control System Integration Part 4: Objects and attributes for manufacturing operations management integration, 12 December 2014

65C/779/CDV, IEC 61784-3 Ed 3.0: Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, 12 December 2014

65C/780/CDV, IEC 61784-3-x Ed 3.0: Industrial communication networks - Profiles - Part 3-x: Functional safety fieldbuses - Additional specifications for CPF x, 12 December 2014

65C/787/PAS, Industrial communication networks - Fieldbus specifications and Profiles - ADS-net, 14 November 2014

65B/934/CDV, IEC 61003-1 Ed 3.0: Industrial-Process control systems - Instruments with analogue inputs and two- or multi-position outputs - Part 1: Methods of evaluating the performance, 12 December 2014

65B/935/CDV, IEC 61003-2 Ed 2.0: Industrial-Process control systems - Instruments with analogue inputs and two- or multi-position outputs - Part 2: Guidance for inspection and routine testing, 12 December 2014

29/853/FDIS, Amendment 1 to IEC 62489-1: Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 1: Methods of measuring and specifying the performance of system components, 14 November 2014

34/213/DC, Future revision of IEC 60038:2009 - Standard voltages for LVDC distribution of TC 34, 10/24/2014

46/513/CDV, IEC 61935-2-21/Ed 1.0: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2-21: Cord and work area cord category 6 - Blank detail specification, 5 December 2014

46/514/CDV, IEC 61935-2-23/Ed 1.0: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2-23: Cord and work area cord category 7 - Blank detail specification, 5 December 2014

46/515/CDV, IEC 61935-2-24/Ed 1.0: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2-24: Cord and work area cord category 7A - Blank detail specification, 5 December 2014

46/518/CDV, IEC 61935-2-25: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2-25: Work area with M12 4 poles connectors - Blank detail specification, 12 December 2014

46/519/CDV, IEC 61935-2-22/Ed 1.0: Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 2-22: Cord and work area cord category 6A - Blank detail specification, 12 December 2014

110/604/CD, IEC 62341-6-3 Ed.2: Organic light emitting diode (OLED) displays - Part 6-3: Measuring methods of image quality, 7 November 2014

110/606/CD, IEC 62341-6-1 Ed.2: Organic light emitting diode (OLED) displays - Part 6-1: Measuring methods of optical and electro-optical parameters, 14 November 2014

40/2305/CD, IEC 60384-4 Ed.5: Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO₂) and non-solid electrolyte, 12 December 2014

40/2307/CD, IEC 60384-18 Ed.1: Fixed capacitors for use in electronic equipment - Part 18: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with solid (MnO₂) and non-solid electrolyte, 12 December 2014

100/2367/CDV, IEC 62842/Ed1: File allocation system with minimized reallocation for multimedia home server (TA 8), 12 December 2014

Recently Published IEC & ISO Documents

Listed here are documents recently approved by the IEC and ISO. The prices shown are for purchases from ANSI's eStandards Store, <http://webstore.ansi.org/>. Prices elsewhere may be different.

ISO 6362-2:2014, Wrought aluminium and aluminium alloys - Extruded rods/bars, tubes and profiles - Part 2: Mechanical properties, \$149.00

ISO/TR 18786:2014, Health and safety in welding - Guidelines for risk assessment of welding fabrication activities, \$114.00

ISO 6362-7:2014, Wrought aluminium and aluminium alloys - Extruded rods/bars, tubes and profiles - Part 7: Chemical composition, \$66.00

ISO/IEC 8825-4/Cor2:2014, Information technology - ASN.1 encoding rules: XML Encoding Rules (XER) - Corrigendum 2, FREE

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 following meetings will be held at the Westgate Las Vegas Resort and Casino in Las Vegas, NV. (formerly the Las Vegas Hotel, LVH)

Meeting Group	Time	Day
Control Protocols Working Group	09:00 - 13:00	Thursday 20 November 2014
Control Protocols BSR E1.33 TG	10:00 - 18:00	Monday 24 November 2014
Electrical Power Working Group	19:00 - 23:00	Friday 21 November 2014
Floors Working Group	14:00 - 17:00	Thursday 20 November 2014
Fog & Smoke Working Group	09:00-13:00	Wednesday 19 November 2014
Photometrics Working Group	08:00 - 10:00	Friday 21 November 2014
Rigging BSR E1.4-2 TG	13:00 - 17:00	Thursday 20 November 2014
Rigging BSR E1.22 TG	08:00 - noon	Wednesday 19 November 2014
Rigging BSR E1.47 TG	08:00-12:00	Thursday 20 November 2014
Rigging BSR 1.56 TG	13:00 - 17:00	Thursday 20 November 2014
	08:00 - 12:00	Friday 21 November 2014
Rigging Working Group	19:00 - 23:00	Wednesday 19 November 2014
Technical Standards Council	14:00 - 18:00	Wednesday 19 November 2014

The January 2015 meetings, which would normally be held face-to-face at the Marriott Solana in Westlake, Texas, have been canceled. Those working groups and task groups needing to meet in early 2015 will do so by teleconference. TSP meeting information can be found at <http://tsp.plasa.org/tsp/meetings/index.php>.

Investors in Innovation

The Technical Standard Program is financially supported by PLASA and by companies and individuals who make undirected donations. The Investors in Innovation program recognizes those companies and individuals who have helped fund the TSP. The Investors in Innovation include:

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Ralph Weber

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The donations are undirected; they go to support the Technical Standards Program in general, and not any particular Working Group or any particular standard or project.

If you would like to help support the Technical Standards Program in its work, please consider joining the Investors in Innovation. Information about becoming an Investor in Innovation is available at <http://tsp.plasa.org/invest>.

TSP at LDI 2014

The following sessions will take place in November as part of the LDInnovation and Technology Conference:

Thursday, 20 November

1:30-3:00pm

P01: *Cool Things That ACN and RDM Are Already Doing*

These days, modern lighting protocols all seem to be a confusingly jumbled soup of letters. And no one's actually using them, right? So, what's the point of having ACN and RDM when we've still got DMX? This talk is dedicated, not to the new protocols themselves, but to the cool things that they're already making happen. Panelists: Maya Nigrosh, ETC; Philip Nye, Acuity Brands, Inc.; Peter Willis, Howard Eaton Lighting, Ltd

3:30pm-5:00pm

P02: *Rescue Planning* - Bill Sapsis, Sapsis Rigging Inc., 1.5 ETCP Renewal Credits

Personal fall protection systems can save a worker from serious injury or death, but there must be a way to rescue the worker safely. The length of time a person can hang in a fall arrest harness without medical complications is short. "Call the fire department," is rarely a viable option. What do you do? This session will explain.

Friday, 21 November

9:00-10:30am

P03: *Outdoor Structures: What's New In ANSI E1.21 And Why Old Is Too Old*, .75 ETCP Renewal Credits

Members of PLASA's Rigging Working Group explain how ANSI E1.21 has been revised to cover more than stage roofs and to give better guidance on who "the user" is. Also how Operations Management Plans need to be venue and event-specific. Learn how relying on decades old load tables and engineering analysis may get you into serious trouble.

Panelists: Tray Allen, James Thomas Engineering; Adrian Forbes-Black, Total Structures; Greg Hareld, Kleege Industries; Jeff Reder, Clark-Reder; Elmer Veith, Total Structures

11:00am-12:30pm

P04: *Billions Of Color Options: The Best And Worst Part About LEDs*

LED lights are here to stay, but turning them on and getting them the same color twice is not as simple as switching on the reading light by your bed. Advanced abstracted control systems go a long way to simplifying some of these tasks, but getting what you want on stage can be daunting, if you don't take the time to understand what the console and lights do and how they interact with each other. This seminar will help you understand the technology in solid-state lighting so that you can use it easily and quickly, allowing your audience to appreciate it even if they are unaware of how complex it may be. Robert Bell and Mike Wood outline the fundamental problems with using solid state lighting and getting the color you expect.

Panelists: Robert Bell, Pathway Connectivity Solutions; Mike Wood, Mike Wood Consulting

1:30pm-3:00pm FREE TO ALL ATTENDEES WITH A BADGE

P05: *Standards: A Session For Absolutely Everyone*

So, maybe you've heard of standards before, but you're unsure what they are, where they came from, who uses them, how to use them, or where to get them. Maybe you're more knowledgeable than that, but need help interpreting some of the information. The point of this session is to illustrate the importance of standards on buyers, sellers, designers, manufacturers, and users of entertainment technology. Everyone — the person who hung the light, the person that pulls the rope, the person that owns the building where the light has been hung— should be aware of the ANSI standards that affect them and their work. This session will help you along.

Panelists: Karl Ruling and Erin Grabe, PLASA; Richard Nix, Entertainment Structures Group

3:30pm-5:00pm

P06: *RDMNet: An Overview*, 0.75 ETCP Renewal Credits

Come learn the latest developments on RDMNet, the next advancement coming in communication protocols. RDMNet allows RDM communication to be extended over Ethernet, similar to how sACN allows DMX512 to be used over Ethernet. This presentation will cover the basics of RDMNet, including the discovery process, the network model, and some of the new parameters introduced.

Panelists: Scott Blair, Revolution Display/VER; Simon Newton, Open Lighting Project

Saturday, 22 November

9:00am-10:30pm

P07: *Stage Edges: To Fall or Not to Fall*, 0.75 ETCP Renewal Credits

Falls from stages, many resulting in significant injuries, have become a major issue in the entertainment industry. This session is intended to help identify possible ways to prevent these accidents, and satisfy regulatory requirements, without affecting the artistic vision. The session will also introduce you to Recommended Practice for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms, a draft being considered for publication by PLASA's Technical Standards Program.

Moderator: Jerry Gorrell, Theatre Safety Programs

Panelists: Fred Kosiewski, Walt Disney Company; Karl Ruling, PLASA

11:00am-12:30pm

P08: *Listed Switchboards And SJ Power Cords: Changes To The NEC*, 1.5 ETCP Renewal Credits

The National Electrical Code (ANSI/NFPA 70) continues to adapt to new technologies such as LED lighting and photovoltaic power. Learn from the experts—all members of NEC Panel 15— about the changes in the new edition. This session will explore the entertainment technicians' items of interest in the Code, how they affect your daily work, and how they came to be included.

Moderator: Mitch Hefter, Philips Lighting

Panelists: Ken Vannice, Ken Vannice LLC; Steve Terry, Electronic Theatre Controls; Eddie Kramer, IATSE Local 1

1:30pm-3:00pm

P09: *I've Got My Halloween Fog Machine! They're All The Same, Right?*

PLASA's Fog & Smoke Working Group has published several American National Standards dealing with fog and smoke effects, the machines that produce them, and the ways to test for safe levels in your production. This session will help you understand the differences between commercially available fog machines, the fluids that go into them, and will teach you how to check compliance with the exposure limits written into Actors' Equity contracts.

Panelists: Brad Dittmer, Stage Labor of the Ozarks; Karl Ruling, PLASA; Larry Schoeneman, Designlab Chicago

3:30pm-5:30pm

P10: *The Technician's Tool Kit*, 1.5 ETCP Renewal Credits

This class will explore a wide range of tools - including PLASA's ANSI standards - that are available to the technician, helping them to be more productive and safer on the job. Using the right tool for equipment inspection, troubleshooting control networks, and to check out electrical systems can save time, lives, and headaches. This session will cover common to complex system issues, and the application of the right tool for the right job.

Panelists: Milton Davis, Doug Fleenor Design, Inc.; Roger Lattin, IATSE Local 728; Richard Wolpert, Union Connector Company

Standards on the Stage

The following sessions will take place in PLASA booth #1469. View the schedule at <http://plasa.me/tsp2014>.

BSR E1.43: Guidance for Performer Flying Systems By Bill Gorlin

For over three years, Bill Gorlin has been leading a task group committed to drafting a standard for performer flying systems. Earlier this year, their hard work put the document through its first public review, which means it is one step closer to becoming an American National Standard. In this session, Bill will explain the document's intent, and the time-line for getting such an important document into the hands of the people for which it was written.

I went to LDI 2014: I got a lot of t-shirts, and I didn't miss this 15 minute session! By Erin Grabe

There are entertainment technology standards available for free download at <http://tsp.plasa.org/freestandards>. Knowing that the standards exist is half the battle.

A Guided Tour of ANSI E1.4 – The Manual Counterweight Rigging Systems Suite By Richard Nix

Richard Nix gives a fifteen-minute tour of the 30+ page ANSI E1.4 - 2014, Entertainment Technology - Manual Counterweight Rigging Systems. E1.4 describes the design and construction of manually powered counterweight rigging systems necessary for their safety. Work is being done to expand it to cover manual systems without counterweights and dead-hung battens.

E1.15 Boom & Base Assemblies: No tipping allowed. By Richard Nix

Do you ever feel overloaded, or maybe just a little out-of-balance? Join us at the PLASA booth for a 15-minute crash course in Boom and Base Assemblies. Learn how to get rid of that instability as we relate past experiences and dare to push an average boom and base assembly to its limits.

ANSI E1.2 Design, Manufacture and Use of Aluminum Trusses and Towers: What the Users of Truss Need to Know By Miriam Paschetto

It is important for members of the entertainment community to comply with the various ANSI Standards on Entertainment Technology. But it can be daunting to figure out which specific sections from the many

standards apply specifically to the Users of truss. This presentation will identify who is a User and what you as a User should know about the E1.2 standard.

ProSight Specialty Insurance By ProSight

Join ProSight Specialty Insurance and members of their team, as they detail the risk-management guide, *Entertaining Safety*, and share what they've learned over the past year from our industry.

Luminaire Inspection Guidance with ANSI 1.32 By Karl Ruling

Avoid shocking experiences and burning sensations! Karl Ruling explains ANSI E1.32, a simple outline for checking conventional stage and studio luminaires to see if they need repair.

Makeup Mirror Lighting By Karl Ruling

Beating the inverse square law and looking good at the same time! Karl Ruling explains the latest TSP project to develop a specification for good makeup mirror lighting, including distribution, angles of incidence, color rendering, color temperature, and levels of illumination.

Rigging Standards: Saving the World One Theatre at a Time By Bill Sapsis

Join us, as Bill Sapsis tells you how it really is in the Rigging Working Group, and why he sometimes has such a big hammer at his meetings!

Anti-counterfeit – Do The Right Thing! By Steve Warren

Lighting designers and specifiers have a strong hand in driving the development of our industry, but inferior quality counterfeits can place their shows and reputations at risk. The rise of copies and counterfeiting has placed our industry under threat—jeopardizing rental companies and manufacturers alike. We need to work together to ensure that the research and development we're all proud of is able to continue well into the future. Join us for this session to learn how to manage and enforce counterfeit issues by listening to and exchanging some shared experiences.

Firmware Uploads Via RDM By Peter Willis

This project, one of the latest to come out of the PLASA Control Protocol Working Group's standards development efforts, will provide a platform upon which manufacturers can offer the ability to transfer new or updated operating code to a device remotely, using the DMX wiring connection. Peter Willis, chair of the Task Group developing this standard will demonstrate how the use of such standards will help reduce your inventory and training costs, and make life simpler for manufacturers and users alike.

HELP! — Why do my lights flicker? By Peter Willis and Doug Fleenor

We have all been there: the rig is up, the cables or wireless networks installed, the rehearsals are underway and we deserve a drink at the bar. But no, the lights are flickering, something is wrong and the pressure is on us to find a solution. This presentation, by renowned industry experts Doug Fleenor and Peter Willis (aka "Dr DMX" and "Professor RDM") looks at the simple things you can check in your DMX installation and equipment selection that just might alleviate the problem and get you the refreshment you deserve.

How Do I Get the Same Color Twice? By Mike Wood

With incandescent lights and gel it was easy. Put the same gel in front of of a luminaire from any manufacturer and you got, more or less, the same color on stage. Now we have LEDs instead of incandescent lamps; and with every manufacturer of LED luminaires using their own version of RGB, how is it possible to get the same color out of two different lights? A new standard in development, PLASA BSR E1.54, seeks to provide a standardized color space and color language for control desks to be able to communicate color to luminaires in an unambiguous, and manufacturer agnostic, manner. The goal? Simple. Make the same color twice. Please.

PLASA Standards News

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As of 15 April 2013, all of the standards published by PLASA's Technical Standards Program are available to download, free of charge, at <http://www.tsp.plasa.org/freestandards>, courtesy of a partnership between PLASA and [ProSight Specialty Insurance](#)

