



Technical Standards Program

ESTA Standards Watch

Late November 2016 Volume 20, Number 22

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New ESTA Standards Projects, Call for Members

ESTA has filed two new standards-drafting projects with ANSI. Materially affected parties are invited to become involved, either by commenting on draft documents in future public reviews or by joining the relevant working groups to help draft the documents. The projects are:

BSR E1.6-2 – 201x, Entertainment Technology - Design, Inspection, and Maintenance of Electric Chain Hoists for the Entertainment Industry (revision of ANSI E1.6-2-2013)

E1.6-2 is part of the E1.6 powered entertainment rigging suite of standards. It 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 excluded from the scope of this part of the standard. BSR E1.6-2 is a project of the Rigging Working Group.

BSR/ESTA ESG1.X – 201x, Event Safety Guide: A guide to health, safety, and welfare at live entertainment events in the United States (new standard)

The primary purpose of the Event Safety Guide is to promote life safety in the live event industry. It is a compilation of recommended practices and considerations for all aspects of live events, based on existing American National Standards and widely accepted principles of safety and risk assessment that apply to live events that take place at a variety of venues, including purpose-built arenas, sites not designed for public entertainment, and open-air venues, among others. BSR/ESTA ESG1.x is a project of the Event Safety Working Group.

The ESWG has 39 voting members now, covering many categories of people who might be affected by its work. Most of those interest categories are well represented, except for performers (with none), event insurance companies (with one voting member), and equipment manufacturers (with two voting members). Therefore, performers, insurance company representatives, and equipment manufacturers are particularly invited to join the Event Safety Working Group.

If you would like to become a member of one of these working groups, you must complete an application and send it to the ESTA standards office at standards@esta.org. The Rigging Working Group form is a general form, which is available at http://tsp.esta.org/tsp/working_groups/docs/apply.PDF. The Event Safety Working Group has a special form, available at http://tsp.esta.org/tsp/working_groups/docs/ESWG_apply.pdf. Your application is subject to approval by the working group. Send it at least two weeks before the working group meeting at which you would like your application to be considered. Explanations of an application form's voting status classifications and interest categories can be found on the second page of the form.

You do not need to be a member of ESTA to participate in a working group, but there is a \$100 a year participation fee for TSP membership. This is a flat rate, regardless of voting status or the number of working groups in which a person is a participant. If you cannot afford the participation fee, the TSP Participation Fee Donor Fund may be able to assist you. Please contact TSP staff at standards@esta.org and tell us why the participation fee prevents you from participating.

Four TSP Standards in Public Review

Two draft standards and two existing standards that are being considered for reaffirmation are in public review on the ESTA website. All four have comment deadlines in early January and all can be downloaded from <http://estalink.us/pr>.

BSR E1.26 - 2006 (R201x), Entertainment Technology—Recommended Testing Methods and Values for Shock Absorption of Floors Used in Live Performance Venues (a reaffirmation). This document sets out the energy absorption requirements for floors in venues used for live performances, and the methods for testing them. The standard was originally published in 2006 and was last reaffirmed in 2012.

BSR E1.24 - 2012 (R201x), Entertainment Technology—Dimensional Requirements for Stage Pin Connectors (a reaffirmation). E1.24 is a configuration standard for mating male and female pin connectors. The electrical reliability and flammability requirements for pin connectors are outside the scope of this standard and would be covered by other standards, but those other standards use this one to assure compatibility between connectors from different manufacturers.

BSR E1.50 - 201x, Entertainment Technology—Requirements for the Structural Support of Temporary LED, Video & Display Systems (a new standard). The scope of this standard covers temporary installations of large format modular display systems, LED, video and other self-illuminating display structures not otherwise addressed by existing standards. The scope of this standard includes planning and site preparedness, assembly

and erection, suspension and safety of components, special access requirements, use and dismantling of these systems.

BSR E1.56 – 201x, Entertainment Technology—Rigging Support Points (a new standard). This standard applies to stationary rigging points that are intended to be permanent. It provides minimum requirements for the design, fabrication, installation, inspection, and documentation of these rigging points for their use to support rigging loads.

Comments Sought on Ontario Building Code Changes for Event Structures

The Ontario Ministry of Municipal Affairs is seeking input from the public and industry stakeholders on changes being considered to the Ontario Building Code. Relevant changes for *Standards Watch* readers are related to portable stages, stage roofs, lighting and sound towers, and other event support structures. The deadline for comment is 20 December 2016.

Background

In July 2011, a temporary outdoor stage at Ottawa's Bluesfest collapsed due to sudden wind loads. The collapse resulted in three people being injured. In June 2012, the rear scaffolding of a stage at Downsview Park in Toronto collapsed, killing one person and injuring another. As a result of these incidents and temporary stage failures in other jurisdictions, concerns have been raised about the structural design and construction of stages and their operational management. As a result, the government convened an expert advisory panel to develop recommendations regarding the construction of temporary stages and related structures.

Recommendations

Among other things, the expert panel's report recommended the Building Code clearly regulate indoor and outdoor stages, including:

- regulatory requirements, applicable to large stages only, for both indoors and outdoors
- a new defined term (i.e. "demountable event structures") for these types of stages that would include stage platforms and associated structures supporting lighting/audio equipment
- specific safety-related and structural provisions for stages, and
- establishment of a maximum 10-day timeline for permit issuance

The Ministry of Municipal Affairs has developed proposed Building Code amendments based on the recommendations made by the expert advisory panel.

How to review and respond

More information about the proposed changes to Ontario's Building Code and how to offer comments is available at <http://www.mah.gov.on.ca/Page14996.aspx>. Links on that page will take you to a summary of the proposed changes and to the full set of proposals—a 1,731-page document. The "Share your feedback" button takes you to a page where you can offer comments. The deadline is 20 December 2016.

New Plugfest 2017 FAQs

A list of Frequently Asked Questions—and answers!—is posted at the end of the Plugfest 2017 news piece at <http://tsp.esta.org/tsp/news/newsdetails.php?newsID=540>. The 2017 Control Protocols Plugfest will be held the 20 January thru 23 January 2017 at the D/FW Marriott Solana in Westlake, Texas. It's an outstanding opportunity for product developers to meet to test their products for interoperability. Check it out! Read the news at <http://tsp.esta.org/tsp/news/newsdetails.php?newsID=540>.

WTO Technical Barrier to Trade Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced WTO Technical Barrier to Trade notices that may be of interest to *Standards Watch* readers. If you have a problem with these notices, you can protest through your representative to the WTO. See "Guidance for Comment Submissions by U.S. Industry

on TBT Notifications" at <http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> or <http://ec.europa.eu/enterprise/tbt/> for advice on filing objections.

Brazil Notification BRA/697

Date issued: 11 November 2016

Agency Responsible: National Institute of Metrology, Standardization and Industrial Quality (INMETRO)

National Inquiry Point: TBT/WTO Enquiry Point (INMETRO)

Products covered: All products, services and processes that are subject to a conformity assessment procedure; Product and company certification

Title: Ordinance No 512, 7 November 2016 (2 pages, in Portuguese)

Description of content: Draft regulation to improve for Object Registration by which Inmetro, authorizes, the use of the Conformity Identification Seal and the commercialization of the object, subject to the existence of attestation of Conformity by the use of a third party certification scheme, in order to provide a level of confidence to customers. It revokes Inmetro Ordinance N° 491, 13 December 2010, within 6 months of the date of publication of this Ordinance. The regulations, in force without the Object Register informed, shall be Reviewed.

Objective and rationale: Quality requirements

Relevant documents: (1) Brazilian Official Journal (Diário Oficial da União) N° 215, 9 November 2016, section 1, page 47/48; (2) not settled; (3) Brazilian Official Journal; (4) Not informed.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: Not given by country

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA697\(portuguese\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/BRA/full_text/pdf/BRA697(portuguese).pdf)

European Union Notification EU/423

Date issued: 17 November 2016

Agency responsible: EU-TBT Enquiry Point

National Inquiry Point: EU-TBT Enquiry Point

Products covered: Electrical and electronic equipment

Title: Draft Commission Delegated Directive amending, for the purposes of adapting to technical progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for cadmium and lead in filter glasses and glasses used for reflectance standards (6 pages + Annex 2 pages, in English)

Description of content: This draft Commission Delegated Directive concerns an application specific and temporary exemption from the RoHS 2 (Directive 2011/65/EU) substance restrictions.

Objective and rationale: Adaptation of existing legislation to scientific and technical progress, granting manufacturers adequate transition time for compliance.

Relevant documents: . Scientific background studies justifying the specific exemption are available at: https://circabc.europa.eu/sd/a/ec523f87-e435-4ee4-8100-aa2ca8775e03/20160129_RoHS_Exemptions_Pack7_Final_Report.pdf, pages 49-76

. Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1438768100804&uri=CELEX:32011L0065>

Proposed date of adoption: 1 February 2017

Proposed date of entry into force: Not given by country

Final date for comments: 16 January 2017

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU423\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU423[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU423\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU423[2](english).pdf)

European Union Notification EU/424

Date issued: 17 November 2016

Agency responsible: EU-TBT Enquiry Point

National Inquiry Point: EU-TBT Enquiry Point

Notified under Article: 2.9.2

Products covered: Electrical and electronic equipment

Title: Draft Commission Delegated Directive amending, for the purposes of adapting to technical progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for lead in bearing shells and bushes for certain refrigerant-containing compressors (6 pages + Annex 2 pages, in English)

Description of content: This draft Commission Delegated Directive concerns an application specific and temporary exemption from the RoHS 2 (Directive 2011/65/EU) substance restrictions

Objective and rationale: Adaptation of existing legislation to scientific and technical progress, granting manufacturers adequate transition time for compliance.

Relevant documents: . Scientific background studies justifying the specific exemption are available at: https://circabc.europa.eu/sd/a/ec523f87-e435-4ee4-8100-aa2ca8775e03/20160129_RoHS_Exemptions_Pack7_Final_Report.pdf, pages 11-26. Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1438768100804&uri=CELEX:32011L0065>

Proposed date of adoption: 1 February 2017

Proposed date of entry into force: Not given by country

Final date for comments: 16 January 2017

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU424\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU424[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU424\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU424[2](english).pdf)

European Union Notification EU/425

Date issued: 17 November 2016

Agency responsible: EU-TBT Enquiry Point

National Inquiry Point: EU-TBT Enquiry Point

Products covered: Electrical and electronic equipment

Title: Draft Commission Delegated Directive amending, for the purposes of adapting to technical progress, Annex III to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for lead in white glasses used for optical applications (6 pages + Annex 2 pages, in English)

Description of content: This draft Commission Delegated Directive concerns an application specific and temporary exemption from the RoHS 2 (Directive 2011/65/EU) substance restrictions

Objective and rationale: Adaptation of existing legislation to scientific and technical progress, granting manufacturers adequate transition time for compliance.

Relevant documents: . Scientific background studies justifying the specific exemption are available at: https://circabc.europa.eu/sd/a/ec523f87-e435-4ee4-8100-aa2ca8775e03/20160129_RoHS_Exemptions_Pack7_Final_Report.pdf, pages 27-48. Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment: <http://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1438768100804&uri=CELEX:32011L0065>

Proposed date of adoption: 1 February 2017

Proposed date of entry into force: Not given by country

Final date for comments: 16 January 2017

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU425\[1\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU425[1](english).pdf) and [https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU425\[2\]\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU425[2](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 25 December 20160129

RIA TR R15.606-2016, Technical Report for Industrial Robots and Robot Systems - Safety Requirements - Collaborative Robots (technical report)

This technical report updates and expands upon the information on collaborative robots and collaborative robot systems as previously presented in ANSI/RIA R15.06-2012. This technical report is supplemental to ANSI/RIA R15.06-2012 and is not itself a standard. It is a national adoption of ISO/TS 15066:2016, which is presented in

its entirety, with edits limited to formatting and spelling changes from British to American norms. Although this U.S. Technical Report is based on an ISO Technical Specification, the syntax of “should” and “shall” are used in the context of this technical report to indicate the relative importance of specific criteria or features in this technical report, and are not normative requirements. The Robotic Industries Association (RIA) has prepared this technical report with the objective of enhancing the safety of personnel associated with collaborative robot systems used in an industrial setting.

Single copy price: \$150.00

Order from and send comments to: Carol Franklin, cfranklin@robotics.org

Due 2 January 2017

BSR/ASSE Z10-2012 (R201X), Occupational Health and Safety Management Systems (reaffirmation and redesignation of ANSI/AIHA Z10 -2012)

This standard defines the minimum requirements for an occupational health and safety management system. This is a reaffirmation of the existing standard but the designation will change from AIHA to ASSE.

Single copy price: \$100.00

Order from and send comments to: Timothy Fisher, TFisher@ASSE.org

BSR/AWS D1.6/D1.6M-201x, Structural Welding Code - Stainless Steel (revision and redesignation of ANSI/AWS D1.6-2007)

This code covers the requirements for welding stainless steel structural assemblies.

Single copy price: \$124.00

Order from: Stephen Borrero, sborrero@aws.org

Send comments to: adavis@aws.org

BSR/CTA 2051-201x, Personal Sound Amplification Performance Criteria (new standard)

This standard describes the minimum acceptable performance levels of personal sound amplifiers.

Single copy price: \$72.00

Order from and send comments to: standards@cta.tech

BSR ICEA S-122-744-201x, Standard for Optical Fiber Outside Plant Microduct Cables (new standard)

This standard covers performance requirements for microduct optical fiber outside plant cables intended for installation in microducts, typically by blowing in using commercially available equipment intended for this application. Products covered by this standard are intended only for operation under conditions normally found in outside plant communication systems. Typically, these products are installed in protected ducts but may be also run for short distances in both exposed areas and in concealed areas (such as handholes), with or without external protection. Due to the thinner jacket usually associated with microduct cables, they typically do not have the jacket durability to be pulled into conduit for long distances even at or below the rated tensile strength. Additionally, the impact resistance, compression resistance and tensile strength requirements for cables covered by this standard may be significantly lower than for conventional outside plant cables covered by ICEA-640.

Single copy price: \$176.00

Order from and send comments to: Kevin.Connelly@nema.org

BSR C82.11-201X, Lamp Ballasts: High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)

This standard is intended to cover high frequency ballasts which have rated open-circuit voltages of 2000 volts or less, operate the lamp at frequencies between 10 kHz and 500 kHz, and are intended to operate at a supply frequency of 50 Hz or 60 Hz. This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapid-start (continuously heated cathodes), modified rapid start, programmed start, or instant start used primarily for lighting purposes. The ballast and lamp combinations covered by this specification are normally intended for use in room ambient temperatures of 10°C to 40°C.

Single copy price: \$395.00

Order from and send comments to: michael.erbesfeld@nema.org

Due 17 January 2016

BSR/INCITS/ISO/IEC 17823:2015, Colour terminology for office colour equipment (identical national adoption of ISO/IEC 17823:2015)

Provides definitions for color terms used with office equipment, in particular for use with color scanning and printing devices that have digital imaging capabilities, including multi-function devices.

Single copy price: \$62.00

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

Send comments to: comments@standards.incits.org

BSI Public Review Announcements

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

Due 16 December 2016

PAS 301, Civilian armoured vehicles - Automotive test methods

PAS 301 describes automotive test methods and performance categories for the payload, acceleration, through gear acceleration, handling, braking, and run flat capabilities of a civilian armoured vehicle (CAV).

Due 31 December 2016

BS 76005, Valuing people through diversity and inclusion – Code of practice for organizations

This British Standard provides a framework for holistic approaches to diversity and inclusion that enable an organization to demonstrate its commitment to valuing people in its widest sense. It is intended to facilitate the fairness and dignity of all at work. This British Standard provides recommendations for reviewing, assessing and undertaking a competent and principled approach to diversity and inclusion that encompasses people management and development; the evolution of more inclusive policies, procedures, practices and behaviours within organizations supporting supply chain capability and diversity; and the building of productive relationships with others be they customers or clients or people within communities.

Due 15 January 2017

BS 8001, Framework for implementing the principles of the circular economy in organizations – Guide

To ensure the availability of resources in the future, current patterns and volumes of consumption and production need to change dramatically so that they are kept within planetary boundaries. To do this while continuing to thrive as a society, a complete rethink of how things are done is needed. Transitioning to a circular economy could offer a significant contribution to solving the emerging resource problems. The circular economy refers to a systemic approach to the redesigning of business systems, enabling sustainable economic growth by managing resources more effectively as a result of making the flow of materials more circular and reducing and ultimately eliminating waste flows.

CSA Public Review Announcements

The CSA Group has announced draft documents for public review that might be of interest to *Standards Watch* readers. To participate in the public reviews please visit: <http://publicreview.csa.ca/>.

Due 20 December 2016

C22.2 No. 0.4 Bonding of electrical equipment (new edition)

This standard applies to electrical equipment that is intended for installation and use in accordance with the requirements of Part I of the Canadian Electrical Code (CE Code) and is

- (a) cord connected or permanently connected and required to be bonded by either Part I or Part II of the CE Code; or
- (b) constructed in a manner intended to ensure that it can be bonded when installed.

Due 26 December 2016

CISPR 32 EMC of Information Technology Equipment, Multimedia Equipment and Receivers (new standard)

This International Standard applies to multimedia equipment (MME) as defined in 3.1.24 and having a rated r.m.s. AC or DC supply voltage not exceeding 600 V. Equipment within the scope of CISPR 13 or CISPR 22 is within the scope of this publication. MME intended primarily for professional use is within the scope of this publication. The radiated emission requirements in this standard are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU, nor to any spurious emissions related to these intentional transmissions. Equipment, for which emission requirements in the frequency range covered by this publication are explicitly formulated in other CISPR publications (except CISPR 13 and CISPR 22), are excluded from the scope of this publication. In-situ testing is outside the scope of this publication. This publication covers two classes of MME (Class A and Class B). The MME classes are specified in Clause 4. The objectives of this publication are:

- 1) to establish requirements which provide an adequate level of protection of the radio spectrum, allowing radio services to operate as intended in the frequency range 9 kHz to 400 GHz;
- 2) to specify procedures to ensure the reproducibility of measurement and the repeatability of results.

Due 17 January 2017

C22.2 No. 300, Portable Power Equipment (new standard)

This standard applies to electrical power equipment that is generating or distributing power and that is intended for temporary use in a portable manner. Portability can be achieved by including lifting handles, being mounted on skids, being mounted on wheels, etc. [The standard has been described as a Canadian analog of UL 1640.]

New ANS Projects

ANSI has announced the following new projects that might materially affect *Standards Watch* 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 H35.2-201x, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2-2013)

The standard includes dimensional tolerances for aluminum mill products that are accepted and used within the aluminum industry and by users of metal. They are the basis of the dimensional tolerances specified in U.S. government, technical societies, and other specifications of aluminum products.

Contact: John Weritz, jweritz@aluminum.org

BSR H35.2(M)-201x, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2(M)-2013)

The standard includes dimensional tolerances for aluminum mill products in metric terms.

Contact: John Weritz, jweritz@aluminum.org

BSR H35.3-201x, Standard Designation System for Aluminum Hardeners (revision of ANSI H35.3-1997 (R2013))

Covers system for designating aluminum hardeners used primarily for the addition of alloying or grain-refining elements, or modifiers to aluminum alloy melts.

Contact: John Weritz, jweritz@aluminum.org

BSR H35.4-201x, Standard Designation System for Unalloyed Aluminum (revision of ANSI H35.4-2006 (R2013))

The standard provides a system for designating unalloyed aluminum not made by a refining process and used primarily for remelting.

Contact: John Weritz, jweritz@aluminum.org

BSR H35.5-2013 (R201x), Standard Nomenclature System for Aluminum Metal Matrix Composite

Materials (reaffirmation of ANSI H35.5-2013)

Covers a system of designating wrought and cast aluminum metal matrix composite materials including generic temper designation.

Contact: John Weritz, jweritz@aluminum.org

BSR H35.1/H35.1(M)-201x, Standard Alloy and Temper Designation Systems for Aluminum (revision of ANSI H35.1/H35.1(M)-2013)

Covers systems for designating wrought aluminum and wrought aluminum alloys, aluminum and aluminum alloys in the form of castings and foundry ingot, and tempers in which they are produced

Contact: John Weritz, jweritz@aluminum.org

ANSI/ASA S12.9-2008/Part 6, Standard Quantities and Procedures for Description and Measurement of Environmental Sound - Part 6: Methods for Estimation of Awakenings Associated with Outdoor Noise Events Heard in Homes (withdrawal of ANSI/ASA S12.9 -2008/Part 6)

Provides method to predict sleep disturbance in terms of percentage of awakenings or numbers of people awakened associated with noise levels in terms of indoor A-weighted sound exposure level/ASEL. Developed from field studies of behavioral awakening mostly in homes near areas of routine jet aircraft takeoff and landing operations, railroads, roads, and highways. The database used to derive the method consists of ~10,000 subject-nights of observations in a variety of communities in the U.S. and the Netherlands.

Contact: Neil Stremmel, nstremmel@acousticalsociety.org

BSR/ASTM WK56474-201x, New Specification for Special Inspections of Life Safety Items in Construction (new standard)

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK56474.htm> This standard is to be used to provide uniform methods and requirements for special inspections specified in Chapter 17 and Chapter 1 and other chapters of National Building Codes as adopted by Municipal Building Officials. Requirements for inspection agencies, personnel, certifications, accreditations, inspection procedures, and acceptances are specified.

Contact: Corice Leonard, accreditation@astm.org

BSR/AWI 0620-201x, Finish Carpentry/Installation (new standard)

Standards for the installation of wood trim, paneling, casework, integrated door systems, countertops, and other related interior finishes. Includes seismic installation.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0622-201x, Millwork (new standard)

Provides standards for the production of standard pattern wood trim and mouldings and creates a uniform numbering and designation for use in the reference and specification of such standard patterns and profiles.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0641-201x, Architectural Wood Casework (new standard)

Includes both aesthetic performance and structural performance criteria for architectural wood casework designed and produced for specific construction projects.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0642-201x, Wood Paneling (new standard)

Provides standards for wood wall paneling composed of solid wood, wood veneer applied to core materials, melamine clad wall panels, and high pressure decorative laminate clad panels. Includes standards for matching of veneers and panels within building areas.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0646-201x, Wood Trim (new standard)

Creates standards for the shop-fabricated trim typically designed and used for a specific project.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0648-201x, Wood Frames (new standard)

Provides standards for the fabrication of wood frames for doors, transoms, sidelights, and interior windows.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0661-201x, Cast Polymer Fabrications (new standard)

Creates standards for the fabrication and installation of cast polymers such as cultured marble.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 0817-201x, Integrated Door Opening Assemblies (new standard)

Creates standards for the aesthetic integration of doors and door systems into interior millwork assemblies. This standard will reference and harmonize with ANSI/WDMA standards for the doors in such assemblies.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 1232-201x, Manufactured Wood Casework (new standard)

Provides aesthetic performance and structural performance standards for manufactured wood casework. Such casework is typically produced in stock incremental measurements and available by manufacturer's catalogs.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 1235-201x, Specialty Casework (new standard)

Creates aesthetic performance and structural performance standards for casework utilized in institutional environments such as healthcare, education, and laboratories.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI 1236-201x, Countertops (new standard)

Provides aesthetic and performance standards for various countertop materials including but not limited to wood, plastic-laminate clad, solid surface, natural and synthetic stone, and phenolic.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWI SMA 0643-201x, Wood Stairs and Railings (new standard)

Creates standards for wood stairs and railings including but not limited to components, connections, and non-wood materials included integrated into the stair, rail, and guard assemblies.

Contact: Ashley Goodin, agoodin@awinet.org

BSR/AWS B5.2-201X, Specification for the Training, Qualification, and Company Certification of Welding Inspector Specialists and Welding Inspector Assistants (new standard)

This specification defines the requirements and program for an employer (company) to train, qualify, and company certify Welding Inspector Specialists and Welding Inspector Assistants to contract or industry-specific inspector standards. The program is developed as a written practice and controlled by an employer. The qualification requires documentation of experience, training, and satisfactory completion of an examination.

Contact: Stephen Hedrick, steveh@aws.org

BSR/AWS J1.2M/J1.2-201x, Guide to Installation and Maintenance of Resistance Welding Machines (revision of ANSI/AWS J1.2M/J1.2 -2016)

This guide provides general instructions for the installation, operation, and maintenance of common types of resistance welding equipment. Generic preventative maintenance schedules and equipment troubleshooting recommendations are provided as an overview of common weld qualification techniques and corrective actions to common weld conditions.

Contact: Annik Babinski, ababinski@aws.org

Final Actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator on the date noted.

ANSI/ASME B30.23-2016, Personnel Lifting Systems (revision of ANSI/ASME B30.23-2011): 7 November 2016

INCITS/ISO/IEC 13249-2:2003 [S2016], Information technology - Database languages - SQL multimedia and application packages - Part 2: Full-Text (stabilized maintenance of INCITS/ISO/IEC 13249 -2-2003 [R2011]): 10 November 2016

INCITS/ISO/IEC 13249-5:2003 [S2016], Information technology - Database languages - SQL multimedia and application packages - Part 5: Still image (stabilized maintenance of INCITS/ISO/IEC 13249 -5:2003 [R2011]): 10 November 2016

ANSI/UL 1598C-2016, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C -2014): 17 November 2016

Draft IEC & ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. *Standards Watch* readers interested in reviewing and commenting on the document should order a copy from their national representative and submit their comments through them. 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. Any prices, if shown, are for purchases through ANSI; prices elsewhere may differ. The sort order is first by due date then by alphanumeric designation.

11/251/FDIS, IEC 60826/Ed4: Overhead transmission lines - Design criteria, 23 December 2016

34B/1887/FDIS, Amendment 1 to IEC 60238 Ed.9: Edison screw lampholders, 30 December 2016

3/1299/CD, IEC/TS 63064 Ed.1.0: Graphical Symbols for Diagrams - Guidance of Design for Standardization in IEC 60617, 06 January 2017

ISO/IEC DIS 23000-19, Information technology – Multimedia application format (MPEG-A) - Part 19: Common media application format (CMAF) – 28 January 2017, \$165.00

ISO/IEC 23001-11/DAMd2, Information technology - MPEG systems technologies - Part 11: Energy-efficient media consumption (green metadata - Amendment 2: Conformance and reference software – 28 January 2017, \$40.00

21A/615/NP, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications - Part 1: Performance, 03 February 2017

21A/616/NP, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications - Part 2: Safety, 03 February 2017

34C/1278/CD, IEC 62442-1 A1 Ed.1: Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear, 03 February 2017

34C/1280/CD, IEC 62442-2 A1 Ed.1: Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of the controlgear, 03 February 2017

34C/1282/CD, IEC 62442-3 A1 Ed.1: Energy performance of lamp controlgear - Part 3: Controlgear for halogen lamps and LED modules - Method of measurement to determine the efficiency of the controlgear, 03 February 2017

Recently Published IEC & ISO Standards

Listed here are documents recently approved by the IEC and ISO. A list of standards resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

IEC 60664-SER Ed. 1.0 b:2016, Insulation coordination for equipment within low-voltage systems - ALL PARTS, \$1153.00

IEC 61204-7 Ed. 2.0 en:2016, Low-voltage switch mode power supplies - Part 7: Safety requirements, \$906.00

IEC 62680-1-2 Ed. 1.0 en:2016, Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification, \$411.00

IEC 61987-15 Ed. 1.0 b:2016, Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 15: Lists of properties (LOPs) for level measuring equipment for electronic data exchange, \$230.00

ISO/IEC 14496-4/Amd45:2016, Information technology - Coding of audio-visual objects - Part 4: Conformance testing - Amendment 45: Conformance Testing for the Multi-resolution Frame Compatible Stereo Coding with Depth Maps Extension of AVC, \$22.00

ISO/IEC 14496-26/Amd4:2016, Information technology - Coding of audio-visual objects - Part 26: Audio conformance - Amendment 4: AAC Additional Multichannel Conformance Data, \$22.00

ISO 15501-1:2016, Road vehicles - Compressed natural gas (CNG) fuel systems - Part 1: Safety requirements, \$123.00

ISO 15501-2:2016, Road vehicles - Compressed natural gas (CNG) fuel systems - Part 2: Test methods, \$88.00

ISO/TR 22201-3:2016, Lifts (elevators), escalators and moving walks -Programmable electronic systems in safety related applications -Part 3: Life cycle guideline for programmable electronic systems related to PESSRAL and PESSRAE, \$88.00

ISO/TS 10303-1232:2014, Industrial automation systems and integration - Product data representation and exchange - Part 1232: Application module: Design materials aspects, \$88.00

ISO/TS 10303-1310:2014, Industrial automation systems and integration - Product data representation and exchange - Part 1310: Application module: Draughting element, \$88.00

TSP Meeting Schedule

The January 2017 LDI meetings will take place at the Marriott Solana in Westlake, TX. The most up to date schedule can be found on the ESTA website at <http://tsp.esta.org/tsp/meetings/index.php>. The page also has a "Reserve a Hotel Room" link. The deadline for booking with that link and special room rate is 4 January.

| | | |
|---|---------------|--------------------------|
| Control Protocols Plugfest | 16:00 – 23:00 | Friday 20 January 2017 |
| | 09:00 – 23:00 | Saturday 21 January 2017 |
| | 09:00 – 23:00 | Sunday 22 January 2017 |
| | 09:00 - noon | Monday 23 January 2017 |
| Control Protocols BSR E1.20 Task Group | 13:00 – 16:00 | Saturday 21 January 2017 |
| Control Protocols BSR E1.33 Task Group | 10:00 – 18:00 | Sunday 22 January 2017 |
| | 10:00 – 18:00 | Monday 23 January 2017 |
| Control Protocols BSR E1.37-4 Task Group | 16:00 – 18:00 | Saturday 21 January 2017 |
| Control Protocols BSR E1.59 Task Group | 19:00 – 23:00 | Friday 20 January 2017 |
| Control Protocols RDM Train the Trainer | 14:00 – 18:00 | Friday 20 January 2017 |
| Control Protocols Working Group (CPWG) | 09:00 – 13:00 | Saturday 21 January 2017 |
| Electrical Power Working Group (EPWG) | 09:00 – 13:00 | Friday 20 January 2017 |
| Event Safety Working Group (ESWG) | 14:00 – 18:00 | Saturday 21 January 2017 |
| Rigging BSR E1.6-1 Task Group | 09:00 – noon | Friday 20 January 2017 |
| Rigging BSR E1.6-2 Task Group | 09:00 – 13:00 | Saturday 21 January 2017 |
| Rigging BSR E1.50 Video Displays Task Group | 19:00 – 23:00 | Thursday 19 January 2017 |
| Rigging Working Group (RWG) | 14:00 – 18:00 | Friday 20 January 2017 |
| Technical Standards Council (TSC) | 09:00 – 13:00 | Sunday 22 January 2017 |

Funding the TSP

The ESTA Technical Standards Program (TSP) was established in 1994 by ESTA in response to the increasing number of members who were encountering situations where the lack of standards, or the imposition of standards developed outside the entertainment industry, were making it difficult to conduct business safely, efficiently, and profitably. However, the impact of the TSP extends far beyond ESTA's membership to every facet of the entertainment, event, and installation industries and to everyone who works in them.

The TSP has published over 50 American National Standards to date, which range from the worldwide industry standard DMX512 (ANSI E1.11) and RDM (ANSI E1.20) protocols to key rigging standards for outdoor structures, powered hoist systems, and trusses and towers. In 2013, ProSight Specialty Insurance began sponsoring the free distribution of the standards and recommended practices created under the TSP. Since then, over 51,000 documents have been downloaded by over 8,000 people, from OSHA inspectors to technicians from theme parks, performing arts centers, touring productions, and film shoots, to educators and their students. Jeff Carter, Retired Head of Indiana OSHA and Head of the Indiana State Fair Stage Collapse Investigation, wrote "I appreciate your foresight in getting these important documents out to the community where they can help prevent another similar tragedy. I wanted to extend my appreciation for your working out this arrangement. Thank you."

A standards-writing program in the entertainment industry cannot be self-supporting as it cannot sell standards at a price that would pay for their development. The TSP has been supported since its inception by contributions from a small group of industry companies and major support from ESTA. Recent changes in ESTA's income stream mean that the association can no longer fund the TSP as it has in the past. Penton, the owners of the LDI Show, announced that they were ceasing the previous 15-year relationship with ESTA whereby ESTA received a royalty as a co-sponsor of the show. These types of relationships were ended across all their properties as Penton sought to increase profits in preparation for their sale to Informa, which was completed on November 2. Last year, the royalty represented approximately \$400,000 in income to ESTA. There was a tail-off period in the contract so ESTA will receive approximately \$200,000 in 2016, but nothing in 2017 and beyond. This situation has put the TSP at tremendous risk and ESTA is reaching out to the entire industry to step up with 5-year pledges to ensure the continuance of the program.

The budget for the TSP is very straightforward with the primary expenses coming in four main areas: the costs associated with holding the quarterly meetings that are deemed essential to moving the standards forward at a steady pace, ANSI dues, insurance (we carry five million dollars in both Directors & Officers Liability and Errors & Omissions coverage to protect the volunteers who work in the program), and staff costs.

What would our industry look like without the TSP? Imagine an industry with no vehicle to create safety and interoperability standards which are free from anti-trust concerns in a regulatory-compliant environment. Without the TSP, the industry would revert to a standards-free environment, or worse, an environment where standards for our industry would be set by people from outside our industry. This would be particularly disastrous in areas such as rigging, where accidents would prompt individual cities and states to try and write their own standards. That would result in a compliance and touring nightmare.

Without the TSP, even current ANSI/ESTA standards would cease to exist. This is an unimaginable situation that as an industry we simply cannot allow to happen. Everyone in the industry benefits from the TSP and everyone needs to step forward and fund this critical program to keep it alive.

Please consider joining the Investors in Innovation. Information about becoming an Investor is available at <http://tsp.esta.org/invest>. The Investors in Innovation listed on the TSP website (http://tsp.esta.org/tsp/inv_in_innovation/investors.html) include the generous companies and individuals listed on the following pages.

Investors in Innovation

VISIONARY (\$10,000 & up; >100 employees/members)

Chauvet Professional
Columbus McKinnon Entertainment Technology
ETC

LDI
ProSight Specialty Insurance
United States Institute for Theatre Technology

VISIONARY (\$5,000 & up; 20–100 employees/members)

Altman Lighting, Inc.
German Light Products
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Stage Rigging
Tyler Truss Systems, Inc.

VISIONARY (\$500 & up; <20 employees/members)

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Jules Lauve
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Alan Rowe

Reed Rigging
Sapsis Rigging Inc.
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Steve A. Walker & Associates
Ralph Weber
Mike Wood Consulting

INVESTOR (\$3,000–\$9,999; >100 employees/members)

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Texas Scenic Company

INVESTOR (\$1,500–\$4,999; 20–100 employees/members)

American Society of Theatre Consultants
City Theatrical Inc.

H&H Specialties, Inc.
XSF Xtreme Structures and Fabrication

INVESTOR (\$200–\$499; <20 employees/members)

Tony Giovannetti
Indianapolis Stage Sales & Rentals, Inc.
LuciTag
Lumenradio AB

Nudelta Digital
Project SSSHH Incorporated
Stageworks
Stephen Vanciel

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Ian Foulds, IATSE Local 873
IATSE Local 80

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XSF Xtreme Structures and Fabrication

ESTA Standards Watch

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