Technical Standards Program

ESTA Standards Watch

Late March 2017 Volume 21, Number 6

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Public Comment Sought on Reaffirmation of Five ESTA Standards

Five Technical Standards Program standards are newly posted for public comment. These documents are all up for reaffirmation, meaning the consensus body is considering republishing them with no substantive changes. Comments on these five documents will be accepted through 3 April 2017. Download them at at http://tsp.esta.org/tsp/documents/public_review_docs.php.

BSR E1.1 - 2012 (R201x), Entertainment Technology—Construction and Use of Wire Rope Ladders
The Rigging Working Group is considering E1.1 - 2012 for reaffirmation. The standard describes the construction and use of wire rope ladders in the entertainment industry in order to promote worker safety. Wire rope ladders are used where ladders with rigid rails are impractical to use or would pose a greater danger.

BSR E1.8 - 2012 (R201x), Entertainment Technology—Loudspeaker Enclosures Intended for Overhead Suspension--Classification, Manufacture and Structural Testing
The Rigging Working Group is considering E1.8 - 2012 for reaffirmation. It is a standard for the structural integrity

of loudspeaker enclosures that are suspended overhead. It is designed to ensure that flown speaker enclosures don't break and drop debris. It does not address requirements for sound reproduction.

BSR E1.16 - 2002 (R201x), Entertainment Technology—Configuration Standard for Metal-Halide Ballast Power Cables
The Electrical Power Working Group is considering ANSI E1.16 - 2002 (R2012) for reaffirmation. This standard describes a standard practice for grounding contact assignment for detachable power cables on 6kW, 12kW and 18kW metal-halide lamp ballasts used in the motion picture and television industries on portable studio luminaires that use the MIL-C-5015 connector with #28-6 insert configuration on the power cable.

BSR E1.32 - 2012 (R201x), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires
The Electrical Power Working Group is considering ANSI E1.32 – 2012 for reaffirmation. E1.32 provides guidance in the inspection of stage and studio luminaires that use incandescent sources and that are used in the entertainment industry. The inspection is to evaluate their safety and any needed maintenance. The information contained in this document is intended to supplement the manufacturer's maintenance instructions.

BSR E1.37-1 - 2012 (R201x), Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets
The Control Protocols Working Group is considering E1.37-1 - 2012, Additional Message Sets for ANSI E1.20 (RDM) – Part 1, for reaffirmation. It provides additional RDM get/set parameter messages (PIDs). Most of the messages in this document are intended for use with entertainment lighting dimming systems. These additional messages allow access to configuration parameters commonly found in many theatrical dimming systems.

Two More ESTA Standards In Public Review

Two more documents in public review makes seven at http://tsp.esta.org/tsp/documents/public_review_docs.php.

BSR E1.14 – 2001 (R201x), Entertainment Technology—Recommendations for Inclusions in Fog Equipment Manuals, applies to the instruction manuals for fog-making equipment manufactured for use in the entertainment industry. In order to use fog safely and effectively, the user must have some general knowledge of the technology, have a clear understanding of how to operate the fog making system, and be aware of the potential hazards related to the use of fog, and particularly the system that he is using. This standard is designed to establish guidelines for manufacturers to provide to the user the necessary information required for the safe and responsible use of fog equipment. Last reaffirmed in 2013, the 2001 version is again being considered for reaffirmation by the Fog & Smoke Working Group. The public review ends at the end of the day on 15 May 2017.

BSR E1.31 – 201x, Entertainment Technology—Lightweight streaming protocol for transport of DMX512 using ACN, provides a very simple protocol that offers functionality comparable to proprietary DMX512 over Ethernet protocols while being compatible with the E1.17 suite of protocols. The standard is being revised, limited to the addition of IPv6 compatibility and the correction of errors. Input on additional features is not being sought at this time. A future revision of the standard is planned to incorporate any changes outside of this scope. That future revision will be developed following the IPv6 update. To aid reviewers in discerning which sections of the draft standard include changes, a copy of the draft showing tracked changes is included in the public review package. The public review ends at the end of the day on 8 May 2017.

The review documentation—including the draft standards, review forms, review explanations, and review instructions—is available to download from http://tsp.esta.org/tsp/documents/public_review_docs.php. Email review forms to standards@esta.org.

The E1.6 Suite is Open for Revision

Two Rigging Working Group standards have been announced as open for revision: E1.6-3, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry, and E1.6-4, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry. The first two parts of the E1.6 suite for powered hoist

systems, E1.6-1 and E1.6-2, were both opened for revision last year, so now all four parts are open for revision to address outdated references, correct errors, include new technologies, and stay coherent as a suite of standards.

E1.6-3, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry establishes minimum safety requirements for the selection and use of serially manufactured electric link chain hoists having capacity of two tons or less in the entertainment industry. This part does not address the design or maintenance of these hoists. The revision is to fix outdated references, correct errors, and add new technologies.

E1.6-4, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry, covers portable control systems for fixed-speed electric chain hoists used in the entertainment industry. This part 4 document is the final installment of the ANSI E1.6 suite of powered entertainment rigging standards as it it currently exists. It is being opened for revision to address changes from other parts of the suite under revision.

To become involved with any open projects in the Technical Standards Program, download, fill out, and send to standards@esta.org a working group application from http://tsp.esta.org/tsp/documents/procedural_docs.html. The Rigging Working Group is particularly interested in gaining new voting members who would be in the interest categories of custom-market producers and designers. There is a $100 per person, per year participation fee, but the fee is prorated based on four meetings per year. Joining right now gets you access to the TSP for the rest of 2017, nine months, at the low, prorated price of $50. To participate in the ESTA Technical Standards Program standards development process another way, you may comment on any documents in public review at http://tsp.esta.org/tsp/documents/public_review_docs.php.

FCC News: Battling Malicious Caller-Id Spoofing & “Can you hear me?”

The Federal Communications Commission has taken steps in efforts to protect consumers against illegal robocalls, including scam calls, building on its work with the industry-led Robocall Strike Force. Unwanted calls are the top consumer complaint the FCC receives each year.

In a “Notice of Proposed Rulemaking,” the FCC is seeking comment on rules that would codify the “Do-Not-Originate” initiative. The proposed rules would allow carriers to block spoofed caller ID numbers associated with phone lines that do not actually dial out. A test of this concept reduced IRS scam calls by about 90 percent in the third quarter of 2016. More information is available at:
https://apps.fcc.gov/edocs_public/attachmatch/DOC-344034A1.docx
https://apps.fcc.gov/edocs_public/attachmatch/DOC-344034A2.docx
https://apps.fcc.gov/edocs_public/attachmatch/DOC-344034A3.docx
https://apps.fcc.gov/edocs_public/attachmatch/DOC-344034A4.docx

The Federal Communications Commission also is alerting consumers to be on the lookout for scam callers seeking to get victims to say the word “yes” during a call and later to use a recording of the response to authorize unwanted charges on the victim's utility or credit card account. According to complaints the FCC has received and public news reports, the fraudulent callers impersonate representatives from organizations that provide a service and may be familiar to the person receiving the call, such as a mortgage lender or utility, to establish a legitimate reason for trying to reach the consumer. The scam begins when a consumer answers a call and the person at the end of the line asks, “Can you hear me?” The caller then records the consumer's "Yes" response and thus obtains a voice signature. This signature later can be used to authorize fraudulent charges via telephone. The FCC advises, if you receive this type of call, immediately hang up.

IEEE Standards Association Invites Participation in Virtual Reality & Augmented Reality Working Group

Work together with industry stakeholders to shape the Virtual Reality, Augmented Reality, and Mixed Reality technology roadmap, facilitate the development of cross-platform content and services, and promote a healthy growth of the VR/AR/MR industry. Standards development within this Working Group will include:

IEEE P2048.1, Standard for Virtual Reality and Augmented Reality: Device Taxonomy and Definitions

IEEE P2048.2, Standard for Virtual Reality and Augmented Reality: Immersive Video Taxonomy and Quality Metrics
IEEE P2048.3, Standard for Virtual Reality and Augmented Reality: Immersive Video File and Stream Formats
IEEE P2048.4, Standard for Virtual Reality and Augmented Reality: Person Identity
IEEE P2048.5, Standard for Virtual Reality and Augmented Reality: Environment Safety

The IEEE invites device manufacturers, application developers, content providers, service providers, technology developers, government agencies, and end users that are relevant to VR, AR, and MR technologies to participate.

If you wish to participate, please contact the IEEE Virtual Reality and Augmented Reality Working Group Chair, Yu Yuan (y.yuan@ieee.org). The kick-off meeting was held on Friday 24 March at the Scientific Research Building in Shenzhen, China, but the next will be Friday 14 April at the Los Angeles Convention Center, 1201 S Figueroa St, Los Angeles, CA, USA. At this meeting (face-to-face only, no remote access), the voting membership of the Working Group will be established. To join the meeting, please contact Yu Yuan for details

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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.

Japan Notification JPN/552
Date issued: 27 March 2017
Agency responsible: Ministry of Agriculture, Forestry and Fisheries (MAFF)
National inquiry point: Standards Information Service, International Trade Division, Economic Affairs Bureau, Ministry of Foreign Affairs (MOFA)
Products covered: Wood; and Goods which are manufactured from wood as a major raw material and are designated by a Ministerial Ordinance, including furniture and paper (excluding recycled goods) Ministerial Ordinance (in Japanese): http://search.e-gov.go.jp/servlet/Public?CLASSNAME=PCMMSTDETAIL&id=550002453&Mode=0
Title: An overview of the Act on Promotion of Use and Distribution of Legally-Harvested Wood and Wood Products (11 pages, in English)
Description of content: The Act on Promotion of Use and Distribution of Legally-Harvested Wood and Wood Products ("Clean Wood Act") encourages entities to endeavour to use legally-harvested wood and wood products. Wood-related entities are requested to collect relevant information to confirm the legality of wood and wood products that they handle. It also prescribes the implementation of the voluntary registration system for wood-related entities who are accountable for confirming the legality.
Objective and rationale: Environmental protection
Relevant documents: . The Act on Promotion of Use and Distribution of Legally-Harvested Wood and Wood Products ("Clean Wood Act") and the draft thereof (Available in Japanese). An over view of The Act on Promotion of Use and Distribution of Legally-Harvested Wood and Wood Products
Proposed date of adoption: 20 May 2016
Proposed date of entry into force: 20 May 2017
Final date for comments: Not given by country
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/JPN/full_text/pdf/JPN552(english).pdf

Chile Notification CHL/393
Date issued: 6 March 2017
Agency responsible: Ministry of Transport and Telecommunications
National inquiry point: Ministry of Foreign Affairs, General Directorate of International Economic Affairs (DIRECON)
Products covered: Teleferics, chair-lifts and lifts.
Title: Reglamento sobre Condiciones Técnicas y Seguridad Aplicable a los Sistemas de Transporte de Pasajeros con Propulsión por Cables: Teleféricos y Ascensores (Regulation establishing the technical and

safety requirements applicable to cable-propelled passenger transport systems: teleferics and lifts) (22 pages, in Spanish)
Description of content: The notified Regulation establishes the technical and safety requirements applicable to public or private cable-propelled passenger transport systems consisting of teleferics and lifts.
Objective and rationale: Safety
Relevant documents: Article 3 of Law (Ley) No. 18.696
Proposed date of adoption: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 5 May 2017
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL393(spanish).pdf

European Union Notification EU/460
Date issued: 23 March 2017
Agency responsible: EU-TBT Enquiry Point
National inquiry point: EU-TBT Enquiry Point
Products covered: Electrical and electronic equipment
Title: Proposal for a directive of the European Parliament and of the Council amending Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (COM(2017) 38 final) (11 pages in English, French and Spanish)
Description of content: The proposed Directive amends the existing Directive 2011/65/EU (RoHS 2) in relation to pipe organs, non-road mobile machineries, reselling and spare parts for certain equipment, and rules for the exemptions.
Objective and rationale: The objectives of the proposal are to contribute to the correct and regular functioning of the EU internal market in relation to electrical and electronic equipment products and the protection of human health and the environment, including the environmentally sound recovery and disposal of waste electrical and electronic equipment (EEE), through the restriction of the use of certain hazardous substances. The proposed amendments maintain key elements of the existing RoHS 2 Directive such as the list of banned substances (no substances added or removed) and the possibility to grant exemptions for certain applications of these substances.

The proposal introduces some changes on issues that were in need of clarification/correction by the end of a transitional period of RoHS 2 (i.e. by 22 July 2019). It will in particular have the effect of enabling: - secondary market operations (e.g. reselling, second-hand market) for new-in-scope EEE; - repair with spare parts of new-in-scope EEE that were legally placed on the market before 22 July 2019. This will result in environmental benefits in terms of reduced overall waste generation. Furthermore, two equipment groups would be excluded from the scope of RoHS 2, namely, pipe organs, and non-road mobile machinery fitted with a cord-connected traction drive.

Two other provisions would remove an impracticable deadline for the EU and clarify certain exemption validity periods.
Relevant documents: . Scientific background studies assessing the impact for various options are available: http://ec.europa.eu/environment/waste/rohs_eee/studies_rohs4_en.htm. 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: Not given by country
Proposed date of entry into force: Not given by country
Final date for comments: 20 June 2017
Full text: https://tsapps.nist.gov/notifyus/docs/wto_country/EU/full_text/pdf/EU460(english).pdf

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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 1 May 2017

BSR ASSE A10.25-201X, Sanitation in Construction (revision of ANSI ASSE A10.25-2009)
This standard applies to all construction jobsites and covers potable water, toilet and hand-washing facilities

located on a jobsite. It assures that employees are provided with adequate potable water, hand-washing, and sanitary waste-disposal facilities.
Single copy price: $80.00
Order from and send comments to: Tim Fisher, TFisher@ASSE.Org

BSR/AWS D3.9/D3.9M-201X, Specification for Classification of Weld-Through Paint Primers (revision and redesignation of ANSI/AWS D3.9-2010)
This specification prescribes the requirements for the classification of weld-through paint primers. The classification is based on paint film thickness and welding procedure. Manufacturers may classify their products to different film thicknesses or welding procedures if they provide the details of their tests.
Single copy price: $30.00
Order from and send comments to: John Douglass, jdouglass@aws.org

BSR/BICSI 007-201x, Information Communication Technology Design and Implementation Practices for Intelligent Buildings and Premises (new standard)
This standard will cover the design and implementation of the information communication technology systems required to support an intelligent building/premise integrated design. Systems that are expected to be covered, include, but are not limited to: building automation/management, utility utilization, lighting, signage and wayfinding, sound and acoustical services, location, and asset tracking.
Single copy price: Free
Order from and send comments to: Jeff Silveira, jsilveira@bicsi.org

BSR/TIA 1179-A-201x, Healthcare Facility Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 1179-2010)
This standard specifies requirements for telecommunications infrastructure for healthcare facilities (e.g., hospitals, clinics). It specifies cabling, cabling topologies, and cabling distances. Additionally, pathways and spaces (e.g., sizing and location), and ancillary requirements are addressed. Telecommunications cabling specified by this standard is intended to support a wide range of healthcare facilities and systems.
Single copy price: $61.00
Order from and send comments to: standards@tiaonline.org

BSR/UL 1740-201x, Standard for Safety for Robots and Robotic Equipment (revision of ANSI/UL 1740-2007)
This covers the proposed fourth edition of the Standard for Robots and Robotic Equipment, UL 1740.
Single copy price: Contact comm2000 for pricing and delivery options
Obtain an electronic copy from: comm2000, http://www.comm-2000.com
Send comments to: Grace Roh, Grace.Roh@ul.com

BSR/UL 2748-201x, Standard for Safety for Arcing Fault Quenching Equipment (new standard)
This proposal is for the publication of the first edition of the Standard for Arcing Fault Quenching Equipment, UL 2748, as an American National Standard.
Single copy price: Contact comm2000 for pricing and delivery options
Obtain an electronic copy from: comm2000, http://www.comm-2000.com
Send comments to: Derrick Martin, Derrick.L.Martin@ul.com

Due 8 May 2017

BSR/ABYC A-32-201x, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32 2012)
This standard is a guide for the design, construction, and installation of electrical and electronic power conversion, control equipment and systems.
Single copy price: $50.00
Obtain an electronic copy from: http://www.abycinc.org
Send comments to: comments@abycinc.org

BSR/APA PRG 320-201x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2012)
This standard covers manufacturing, qualification, quality assurance, design, and installation requirements for performance-rated cross-laminated timber products.
Single copy price: Free
Order from and send comments to: Borjen Yeh, borjen.yeh@apawood.org

BSR/UL 8750-201X, Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products (revision of ANSI/UL 8750-2016)
The following changes in requirements to the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750, are being proposed: (1) Relocate definition of enclosure to Glossary section; (2) Clarify terminology for isolated circuit in Glossary; (3) Add construction and performance requirements for direct plug-in units; (4) Clarify requirements for accessibility of live parts in Section 7.2; (5) Revise requirements for electrical spacings in Section 7.8; (6) Clarify construction and performance requirements for transformers in paragraph 7.9.2; (7) Clarify equipment under test terminology in paragraphs 8.5.1 and 8.5.4; (8) Clarify test potentials in Table 8.3 and add acceptable results criteria; (9) Revise Circuit Power Limit Measurement Test in Section 8.8; (10) Add Supplement SG - Designation of Temperature Value at the Temperature Measurement Point TC; and (11) Add Supplement SH - Requirements for LED Drivers with Phase-Cut Dimming.
Single copy price: Contact comm2000 for pricing and delivery options
Obtain an electronic copy from: comm2000, http://www.comm-2000.com
Send comments to: Heather Sakellariou, Heather.Sakellariou@ul.com

Due 23 May 2017

BSR/ASME B18.16.6-201x, Nylon Insert Locknuts (Inch Series) (revision of ANSI/ASME B18.16.6-2014)
This standard covers the complete general, dimensional, mechanical, and performance requirements for carbon steel inch series nylon insert locknuts of grades N2, N5, and N8 in styles NE (1/4" - 1-1/2"), NTE (1/4" - 1-1/2"), NU (1/4" - 3"), NTU (1/4" – 3"), NM (#2 - #12), NTM (#2 - #12), and hex flange (1/4" - 3/4").
Single copy price: Free
Order from: Mayra Santiago, ansibox@asme.org
Send comments to: Angel Guzman, guzman@asme.org

BSR/IEEE 56-201x, Guide for Insulation Maintenance of Electric Machines (new standard)
This insulation maintenance guide is applicable to rotating electric machines rated from 35 kVA and higher. The procedures detailed in this standard may also be useful for insulation maintenance of other types of machines.
Single copy price: $92.00 (pdf); $114.00 (print)
Order from: online: http://standards.ieee.org/store
Send comments to: Karen Evangelista, k.evangelista@ieee.org

BSR/IEEE 524-2016, Guide to the Installation of Overhead Transmission Line Conductors (new standard)
This guide provides general recommendations for the selection of methods, equipment, and tools that have been found to be practical for the stringing of overhead transmission line conductors and overhead groundwires. The guide includes a comprehensive list of definitions for equipment used in stringing and for stringing terms.
Single copy price: $141.00 (pdf)
Order from: online: http://standards.ieee.org/store
Send comments to: Karen Evangelista, k.evangelista@ieee.org

BSR/IEEE 802.15.4u-201x, Standard for Low-Rate Wireless Networks - Amendment 3: Use of the 865 MHz to 867 MHz Band in India (new standard)
This amendment defines a PHY layer enabling the use of the 865-867 MHz band in India. The supported data rate should be at least 40 kb/s per second and the typical Line of Sight (LOS) range should be on the order of 5 km using an omni-directional antenna. Included are any channel access and/or timing changes in the MAC necessary to support this PHY layer.
Single copy price: 50.00 (pdf); $63.00 (print)
Order from: online: http://standards.ieee.org/store
Send comments to: Karen Evangelista, k.evangelista@ieee.org

BSR/IEEE 1633-201x, Recommended Practice on Software Reliability (revision of ANSI/IEEE 1633-2008)
This recommended practice defines the software reliability engineering processes, prediction models, growth models, tools, and practices of an organization. This document and its models and tools are useful to any development organization.
Single copy price: 184.00 (pdf); $230.00 (print)
Order from: online: http://standards.ieee.org/store
Send comments to: Karen Evangelista, k.evangelista@ieee.org

BSR/IEEE C37.13.1-2016, Standard for Definite-Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage (600 V AC and Below) Power Circuit Breaker Switchgear (revision of ANSI/IEEE C37.13.1-2006)
This standard provides requirements for low-voltage (600 V AC and below) definite-purpose switching (LV-DPS) devices (other than power circuit breakers) for use in metal-enclosed, low-voltage, power circuit breaker switchgear described in IEEE Std C37.20.1.1 .Single copy price: 50.00 (pdf); $63.00 (print)
Order from: online: http://standards.ieee.org/store
Send comments to: Karen Evangelista, k.evangelista@ieee.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 9 April 2017

BS 7882 Method for calibration and classification of torque measuring devices
This British Standard specifies requirements for the calibration and classification of torque measuring devices, including those used for the calibration of torque tools. It describes the method of calibration, calculation of calibration results and the classification of the torque measuring device in a static mode. The information to be given on the certificate of calibration is also listed.

Due 30 April 2017

BS 5306-3 Fire extinguishing installations and equipment on premises - Part 3: Commissioning and maintenance of portable fire extinguishers - Code of practice
This part of BS 5306 gives recommendations for the initial commissioning of portable fire extinguishers and schedules for the maintenance of extinguishers installed in all locations. It also gives recommendations for certain obsolescent types of extinguishers for which no maintenance schedules are provided.

Due by 15 May 2017

BS 11000-2 Collaborative business relationship management systems – Part 2: Guide to implementing BS ISO 44001
This British Standard provides guidance to organizations on implementing BS ISO 44001 (see Figure 3) in order to achieve successful collaborative business relationships, as well as helping organizations use and implement the framework specification effectively. This British Standard is applicable to any organization.

DIN Public Review Announcements

The Deutsches Institut für Normung has announced a draft document possibly of interest to *Standards Watch* readers that will be available for comment from 31 March to the 31 May 2017. After you register with DIN at http://www.entwuerfe.din.de/, you may purchase and comment on DIN draft standards. This document is planned to be an EN standard, published by CEN, with validity throughout the European Community and the UK (even after Brexit). It will eventually be available from all the national standards bodies that participate in CEN, but DIN appears to be the first to offer it.

DIN EN 17115, Veranstaltungstechnik - Anforderungen an die Bemessung und Herstellung von Aluminium- und Stahltraversen; Deutsche und Englische Fassung prEN 17115:2017 [Entertainment technology - Specifications for design and manufacture of aluminium and steel trusses; German and English version prEN 17115:2017]

This draft European standard specifies the design and manufacture of aluminum and steel trusses intended for use in event engineering. Event technology is used, among other things, for assembly, in stage construction, in event and production facilities for scenic representation, in exhibition construction. This draft standard does not apply to slings, shackles, wire ropes, et cetera.

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/AAMI SW96-201x, Medical Devices - Application of Security Risk Management to Medical Devices (new standard)
This standard is based on an application of ANSI/AAMI/ISO 14971 with an expanded consideration of the possible impacts that a security compromise can have on the medical device, people, the environment, the manufacturer, and the information processed and stored by the device. This report also incorporates several principles from NIST SP 800-30 Revision 1, a security risk management process developed for traditional IT systems. This document is applicable to all stages of the life-cycle of a medical device.
Contact: Will Vargas, wvargas@aami.org

BSR/AARST RMS-W-201x, Radon Mitigation Standards for Radon in Water (new standard)
This standard specifies practices, minimum requirements, and general guidance for mitigation of radon in water where groundwater supplies such as a private well or a community water supply system is identified to have radon concentrations in water that pose a risk to occupants. This standard of practice addresses common mitigation methods used in residences such as aeration and filtration of radon in water.
Contact: Gary Hodgden, standards@aarst.org

BSR/ASB Std 024-201x, Crime Scene/Death Investigation - Dogs and Sensors Pre-Scented Canines - Location Check (new standard)
To provide standards for training, certification, and documentation pertaining to canine teams (canine and handler) trained to conduct prescented canine location checks. Project Need: There are no consensus standards for dedicated canine teams (canine and handler) trained to conduct prescented canine location checks.
Contact: Teresa Ambrosius, tambrosius@aafs.org

BSR/ASB Std 026-201x, Crime Scene/Death Investigation - Dogs and Sensors Pre-Scented Canines - Aged Trail Search (new standard)
To provide the standards for training, certification and documentation pertaining to pre-scented canine-aged trail search. Pre-scented canine aged trail searches use a canine team (canine and handler) to search for and follow aged trails of a specific person's (target) scent over different surface types. An aged trail is a human scent pathway that has been present for some period of time. Typically expressed with a ime frame associated with the trail. e.g., a 48-hour-old trail.
Contact: Teresa Ambrosius, tambrosius@aafs.org

BSR/ASB Std 027-201x, Crime Scene/Death Investigation - Dogs and Sensors Tracking/Trailing One or More Persons Based on Last Known Position (new standard)
To provide standards for the training, certification, and documentation pertaining to canine teams (canine and handler) trained to search for specific person(s), location(s), and/or article(s) by starting from the last known position. This pertains to trails less than 48 hours old.
Contact: Teresa Ambrosius, tambrosius@aafs.org

BSR/ASTM WK58040-201x, New Test Method for Surface Burning Characteristics of Building Materials that Melt, Drip, Disintegrate and Delaminate when Exposed to Fire (new standard)
This fire-test response standard for the comparative surface burning behavior of building materials is applicable to exposed surfaces such as walls and ceilings.
Contact: Corice Leonard, accreditation@astm.org

BSR/ATSIP D.16-201x, Manual on Classification of Motor Vehicle Traffic Crashes (new standard)
The Manual on Classification of Motor Vehicle Crashes covers the vehicle types, person types (whether drivers, passengers, bicyclists, pedestrians, etc.), vehicle types and configurations, roadway configurations (intersections, ramps, through lanes), and manner or classification of crash. Project Need: In order to develop meaningful crash statistics, from which countermeasures may be developed for prevention or mitigation of crash severity, it is important that the thousands of law enforcement agencies and state and local traffic engineering personnel have a standardized way of describing the roadway, persons, vehicles, and circumstances of motor vehicle crashes. This standard will provide a uniform means of classifying crashes throughout the United States, and its territories.
Contact: Joan Vecchi, vecchijoan@yahoo.com

BSR/AWEA 61400-11-201x, Acoustic noise measurement techniques (identical national adoption of IEC 61400-11 Edition 3)
This standard presents measurement procedures that enable noise emissions of a wind turbine to be characterized. This involves using measurement methods appropriate to noise emission assessment at locations close to the machine, in order to avoid errors due to sound propagation, but far enough away to allow for the finite source size. The procedures described are different in some respects from those that would be adopted for noise assessment in community noise studies. They are intended to facilitate characterization of wind turbine noise with respect to a range of wind speeds and directions. Standardization of measurement procedures will also facilitate comparisons between different wind turbines. The procedures present methodologies that will enable the noise emissions of a single wind turbine to be characterized in a consistent and accurate manner. These procedures include the following:
- location of acoustic measurement positions;
- requirements for the acquisition of acoustic, meteorological, and associated wind turbine operational data;
- analysis of the data obtained and the content for the data report; and
- definition of specific acoustic emission parameters, and associated descriptors which are used for making environmental assessments.
The standard is not restricted to wind turbines of a particular size or type. The procedures described in this standard allow for the thorough description of the noise emission from a wind turbine.
Contact: Michele Mihelic, mmihelic@awea.org

BSR/AWEA 61400-13-201x, Measurement of mechanical loads (identical national adoption of IEC 61400-13 Edition 1)
This part of IEC 61400 deals with mechanical load measurements on wind turbines. It mainly focuses on large (>40 m^2) electricity generating horizontal axis wind turbines. However, the methods described might be applicable to other wind turbines as well. The object of this specification is to describe the methodology and corresponding techniques for the experimental determination of the mechanical loading on wind turbines. This technical specification is intended to act as a guide for carrying out measurements used for verification of codes and/or for direct determination of the structural loading. This specification is not only intended as one coherent measurement specification but can also be used for more limited measurement campaigns.
Contact: Michele Mihelic, mmihelic@awea.org

BSR/CTA 2067-201x, Small Unmanned Aerial Systems – Remote Identification (new standard)
To develop a standard for identifying small unmanned aerial systems with a Remote ID during flight to advance accountability and transparency.
Contact: Corice Leonard, accreditation@astm.org

BSR/NASPO-IDV-201x, Standards for the Verification of Personal Identity (new standard)
An American National Standard and implementation guidelines for identity proofing processes, verification processes, and requirements for information to be used in support of identity establishment for end users and relying parties.
Contact: Michael O'Neil, mikeo@naspo.info

BSR/UL 1974-201x, Standard for Safety for Evaluation for Repurposing Batteries (new standard)
This standard covers the sorting and grading process of battery packs, modules, and cells that were originally

configured and used for other purposes such as electric vehicle propulsion, and that are intended for a repurposed use application such as for use in stationary energy storage and other applications. The process of sorting and grading these devices is essentially determining the state of health and other parameters to identify continued viability and the rating mechanisms the manufacturer may use for those that are determined suitable for continued use. Also covers application specific requirements for battery packs utilizing repurposed batteries and components.
Contact: Megan Van Heirseele, Megan.M.VanHeirseele@ul.com

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/IICRC S540-2017, Standard for Trauma and Crime Scene Remediation (new standard): 10 March 2017

ANSI/AWS D8.2M-2017, Specification for Automotive Weld Quality - Resistance Spot Welding of Aluminum (new standard): 9 March 2017

ANSI/AWS C4.2/C4.2M-2017, Recommended Practices for Oxyfuel Gas Cutting Torch Operation (revision of ANSI/AWS C4.2/C4.2M -2009): 2 March 2017

ANSI/ASHRAE Standard 161a-2017, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2013): 2 March 2017

ANSI/ASHRAE/ICC/IES/USGBC 189.1k-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 2 March 2017

ANSI/ASHRAE/ICC/IES/USGBC 189.1L-2017, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014): 2 March 2017

ANSI/UL 61215-1-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements (identical national adoption of IEC 61215-1): 28 February 2017

ANSI/UL 61215-2-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (identical national adoption of IEC 61215-2): 28 February 2017

ANSI/UL 61215-1-1-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (identical national adoption of IEC 61215-1-1): 28 February 2017

ANSI/UL 793-2017, Standard for Automatically Operated Roof Vents for Smoke and Heat (revision of ANSI/UL 793-2011 (R2016)): 3 March 2017

ANSI/UL 924-2017, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2015): 8 March 2017

ANSI/UL 924-2017a, Standard for Safety for Emergency Lighting and Power Equipment (revision of ANSI/UL 924-2015): 8 March 2017

ANSI/UL 1004-1-2017, Standard for Safety for Rotating Electrical Machines - General Requirements (Proposal dated 8-26-16) (revision of ANSI/UL 1004-1-2016): 6 March 2017

ANSI/UL 1004-1-2017a, Standard for Safety for Rotating Electrical Machines - General Requirements (Proposal dated 11-18-16) (revision of ANSI/UL 1004-1-2016): 6 March 2017

ANSI/UL 1004-1-2017b, Standard for Safety for Rotating Electrical Machines - General Requirements (Proposal dated 1-27-17) (revision of ANSI/UL 1004-1-2016): 6 March 2017

ANSI/UL 6703-2017, Standard for Connectors for Use in Photovoltaic Systems (revision of ANSI/UL 6703-2015): 2 March 2017

Draft IEC & ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) or the International Organization for Standardization (ISO) are considering for approval. S*tandards 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.

ISO/DIS 19833, Furniture - Beds - Test methods for the determination of strength and durability – 4 April 2017, $88.00

ISO/DIS 2553, Welding and allied processes - Symbolic representation on drawings - Welded joints – 6April 2017, $125.00

ISO/DIS 12122-5, Timber structures - Determination of characteristic values - Part 5: Mechanical connections – 11 May 2017, $58.00

ISO/DIS 8100-1, Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 1: Passenger and goods passenger lifts – 1 June 2017, $185.00

ISO/DIS 8100-2, Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 2: Design rules, calculations, examinations and tests of lift components – 1 June 2017, $155.00

ISO/DIS 37157, Smart community infrastructures – Smart transportation for compact cities – 3 June 2017, $46.00

ISO/DIS 18828-4, Industrial automation systems and integration - Standardized procedures for production systems engineering – Part 4: Key performance indicators (KPIs) in production planning processes – 4 June 2017, $107.00

ISO/DIS 19624, Bamboo structures - grading of bamboo culms – Basic principles and procedures – 8 June 2017, $82.00

ISO/DIS 22157-1, Bamboo structures - Determination of physical and mechanical properties of bamboo culms - Part 1: Test methods – 8 June 2017, $77.00

Recently Published IEC & ISO Documents

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 61951-1 Ed. 4.0 b:2017, Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 1: Nickel-Cadmium, $281.00

IEC 62943 Ed. 1.0 b:2017, Visible light beacon system for multimedia applications, $164.00

IEC 62680-3-1 Ed. 1.0 en:2017, Universal Serial Bus interfaces for data and power - Part 3-1: Universal Serial Bus 3.1 Specification, $410.00

ISO 13715:2017, Technical product documentation - Edges of undefined shape - Indication and dimensioning, $138.00

ISO 19649:2017, Mobile robots - Vocabulary, $45.00

ISO 20669:2017, Non-destructive testing - Pulsed eddy current testing of ferromagnetic metallic components, $103.00

ISO/TR 19263-1:2017, Photography - Archiving systems - Part 1: Best practices for digital image capture of cultural heritage material, $138.00

TSP Meeting Schedule

The July meetings are scheduled to be 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, where there is a “Reserve a Hotel Room” link.

Control Protocols E1.20 Task Group	13:30 – 16:00	Saturday 22 July 2017
Control Protocols E1.31 Task Group	14:00 – 18:00	Monday 24 July 2017
Control Protocols E1.33 Task Group	10:00 – 16:00	Sunday 23 July 2017
Control Protocols E1.37-4 Task Group	16:00 – 18:00	Saturday 22 July 2017
Control Protocols E1.37-5 Task Group	16:00 – 18:00	Sunday 23 July 2017
Control Protocols E1.59 Task Group	09:00 – 12:30	Saturday 22 July 2017
Control Protocols Plugfest	16:00 – 22:00	Friday 21 July 2017
	09:00 – 22:00	Saturday 22 July 2017
	09:00 – 22:00	Sunday 23 July 2017
	09:00 – 22:00	Monday 24 July 2017
	09:00 – noon	Tuesday 25 July 2017
Control Protocols Plugfest Roundtable	19:00 – 20:00	Sunday 23 July 2017
Control Protocols Working Group	09:00 – 13:00	Monday 24 July 2017
Electrical Power Working Group	09:00 – 13:00	Sunday 23 July 2017
Event Safety Working Group	14:00 – 18:00	Sunday 23 July 2017
Photometrics Working Group	14:00 – 18:00	Monday 24 July 2017
Rigging E1.6-3 Task Group	14:00 – 18:00	Saturday 22 July 2017
Rigging Working Group	19:00 – 23:00	Saturday 22 July 2017
Technical Standards Council	09:00 – 13:00	Tuesday 25 July 2017

ESTA Standards Watch

is distributed as a benefit to ESTA members and as a communications medium for ESTA's Technical Standards Program.

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