



Technical Standards Program

ESTA Standards Watch

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Table of Contents

Four ESTA Standards In Public Review.....	1
Removal of Effective Dates from UL Standards.....	2
ETC Steps Up to Visionary TSP Investor in Innovation.....	3
Inaugural Canadian Event Safety Summit.....	3
WTO Technical Barrier to Trade Notifications.....	3
United States of America Notification USA/1105.....	3
Chile Notification CHL/351.....	4
Chile Notification CHL/350.....	5
Uganda Notification UGA/538.....	5
ANSI Public Review Announcements.....	6
Due 15 May 2016.....	6
Due 22 May 2016.....	6
Due 30 May 2016.....	6
Due 6 June 2016.....	8
BSI Public Review Announcements.....	9
Due 31 May 2016.....	9
CSA Public Review Announcements.....	10
Due 14 June 2016.....	10
Due 17 June 2016.....	10
Due 18 June 2016.....	10
New ANS Projects.....	10
Final Actions on American National Standards.....	12
Withdrawn from Consideration.....	14
Draft IEC & ISO Standards.....	14
Recently Published IEC & ISO Standards.....	16
TSP Meeting Schedule.....	17
Investors in Innovation.....	18

Four ESTA Standards In Public Review

Four documents are posted on the Technical Standards Program public review page. Check 'em out at http://tsp.esta.org/tsp/documents/public_review_docs.php. This is the last call for comments on BSR E1.53, due before 3 May. The three others are due no later than 23 May. Anyone who would be materially affected by the publication of these documents as American National Standards is invited to submit comments.

Due before 3 May 2016

BSR E1.53, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice (a new project)

From the Electrical Power Working Group, BSR E1.53 intends to cover specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories. It also covers these mounting devices for special effects equipment (e.g. fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard would give guidance on how to properly affix these mounting devices.

Due before 24 May 2016

BSR E1.42 - 201x, Entertainment Technology—Design, Installation, and Use of Orchestra Pit Lifts (a new project)

From the Stage Lifts Working Group, BSR E1.42 intends to cover the design, construction, operation, inspection, testing, maintenance, alteration, and repair of permanently installed orchestra pit lifts and their associated parts, rooms, spaces, enclosures and hoistways, where located in a theatre or a similar place of public entertainment. Stage lifts, such as orchestra pit or theatre forestage lifts, are not the subject of any current national standard. As a result, safety requirements and inspections of them are inconsistent. E1.42 is being written to address this lack of a standard. The scope is limited to safety and to orchestra or forestage lifts that are installed as a part of the building and that are not custom-built for a single theatrical production.

BSR E1.56 – 201x, Entertainment Technology—Rigging Support Points (a new project)

From the Rigging Working Group, BSR E1.56 applies to stationary rigging points that are intended to be permanent and provides minimum requirements for the design, fabrication, installation, inspection, and documentation of these Rigging Points for their use to support rigging loads. Many performance venues (e.g., sports arenas, ballrooms, multi-purpose halls) lack adequately designed and installed rigging support points, thus making the safe staging of live events in these venues more difficult.

BSR E1.28 – 2011 (R201x), Guidance on planning followspot positions in places of public assembly (a reaffirmation)

From the Followspot Position Working Group, this document offers guidance on the planning of permanent followspot positions, including recommendations on the locations of the followspot positions within the venue, the power likely to be needed, the waste heat generated, the amount of space likely to be needed, and the fall protection and egress issues to be considered for the followspot operator's safety. The existing standard is being considered for reaffirmation.

Removal of Effective Dates from UL Standards

Historically, UL Standards were provided with Effective Dates for new and revised requirements that indicated the date when the requirements were effective for certification consideration. UL standards are used by multiple certification organizations who independently decide when to apply new and revised requirements. Similarly, ULLLC establishes their Effective Dates in a process that is independent from the UL Standards consensus process.

In June of 2015, UL Standards began a pilot program to omit Effective Dates from the UL standards. This decision was driven by the fact that Effective Dates are not part of the UL Standards ANSI consensus process for developing technical requirements. Further, Effective Dates refer to certification decisions that are also not part of the UL Standards ANSI consensus process. Please also note that the requirements in ISO/IEC 17065 indicate that communication of certification issues is the responsibility of the certification body, not the standards development organization. ULLLC certification information, including Effective Dates can be found at: <https://ifs.ul.com/ifr/ifr.nsf>.

As a result of the above information, Effective Dates will not be included in UL standards going forward.

If you have questions regarding ULLLC Effective Dates, contact Mr. Roger Lytle at Roger.A.Lytle@ul.com.

ETC Steps Up to Visionary TSP Investor in Innovation

Electronic Theatre Controls (ETC) has been a major donor to, supporter of, and participant in ESTA's Technical Standards Program (TSP) since its inception. Now they've taken that support to an even higher level by becoming a Visionary Level Investor in Innovation with a pledge of \$10,000 for each of the next five years.

Representatives of ETC were present at the very first meeting discussing the creation of the TSP and have always been active on TSP Working Groups. Steve Terry, ETC's Vice President of Research and Development is also a long-time member and former chair of the Technical Standards Council and Maya Nigrosh, Senior Software Engineer, is currently serving as Co-Chair of the Control Protocols Working Group.

Steve presented a check for the first installment of their pledge at the recent USITT show to Technical Standards Council Co-Chair Mike Garl commenting, "From ETC's point of view, the ESTA Technical Standards Program is an industry 'crown jewel.' There is no other industry forum that allows so many diverse interests to come together to solve equipment interoperability and safety standards issues in an ANSI-approved environment-- along with tangible commercial benefits for all of us. We are very proud to lend our support to this critical program, and we respectfully challenge other entertainment industry companies to join us in this effort with their checkbooks."

Mike Garl responded, "ESTA and the Technical Standards Program are extremely grateful to ETC for this generous and long term commitment. ETC has always been one of the industry's leaders and this level of financial support demonstrates that leadership. This support will help the TSP continue to be successful and a valuable asset to the entertainment industry. I applaud Steve's challenge and look forward to welcoming additional Investors in Innovation."

ESTA's ANSI-accredited Technical Standards Program brings together hundreds of subject matter experts from around the world to create standards and recommended practices that increase safety and improve interoperability. The TSP has over 50 published standards, with more in development, that help solve problems and make life safer and easier for those working in the entertainment technology and related industries. Find out how you can become an "Investor in Innovation" by visiting tsp.esta.org/invest.

Inaugural Canadian Event Safety Summit

The Event Safety Alliance announced the inaugural Canadian Event Safety Summit, taking place Wednesday, 18 May, 2016 in Toronto, Ontario. Created in response to tremendous interest from professionals throughout the Canadian event industry, this one-day summit boasts sessions such as *Beyond Awareness – Health & Safety for Ontario Event Employers and Constructors*; *911 is Not Your Medical Plan!*; *When Should I Engage an Engineer?*; *Temporary Performance/Event Structures – What You Need to Know*; and more, with keynote address *Adelman's Event Safety Two-Four* by Steven A. Adelman of Adelman Law Group, PLLC.

Members of the Event Safety Alliance's Canadian affiliate will share info that helps run safer events, focusing on the unique characteristics and needs of the Canadian event industry. More information, including on registration, is available at <http://canadianeventsafety.com>. Hurry, register before 30 April, and access to the online version of the Event Safety Guide is included!

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.

United States of America Notification USA/1105

Date issued: 22 April 2016

Agency responsible: Environmental Protection Agency (EPA)

National inquiry point: USA WTO TBT Enquiry Point

Products covered: Closed cell foam products

Title: Protection of Stratospheric Ozone: Proposed New Listings of Substitutes; Changes of Listing Status; and Reinterpretation of Unacceptability for Closed Cell Foam Products Under the Significant New Alternatives Policy Program; and Revision of Clean Air Act Section 608 Venting Prohibition for Propane

Description of content: Pursuant to the U.S. Environmental Protection Agency's (EPA) Significant New Alternatives Policy program, this action proposes to list a number of substances as acceptable, subject to use conditions; to list several substances as unacceptable; and to modify the listing status for certain substances from acceptable to unacceptable, subject to narrowed use limits, or to unacceptable. Specifically, this action proposes to list as acceptable, subject to use restrictions, propane and HFO-1234yf in the refrigeration and air conditioning, and 2-bromo- 3,3,3-trifluoroprop-1-ene in the fire suppression and explosion protection sectors; to list as unacceptable certain hydrocarbons and hydrocarbon blends in specific end-uses in the refrigeration and air conditioning sector; and to modify the listing status for certain high- global warming potential alternatives for certain end-uses in the refrigeration and air conditioning, foam blowing, and fire suppression and explosion protection sectors. This action also proposes to exempt propane in certain refrigeration end-uses from the Clean Air Act section 608 prohibition on venting, release, or disposal on the basis of current evidence that its venting, release, or disposal does not pose a threat to the environment. In addition, this action proposes to apply unacceptability determinations for foam-blowing agents to closed cell foam products and products containing closed cell foam that are manufactured or imported using these foam-blowing agents. This action also proposes to clarify the listing for Powdered Aerosol D (Stat- X[^{supreg}]), which is currently listed as both acceptable and acceptable subject to use conditions, by removing the listing as acceptable subject to use conditions.

Objective and rationale: Protection of the environment

Relevant documents: 81 Federal Register (FR) 22809, 18 April 2016; Title 40 Code of Federal Regulations (CFR) Part 82. Will appear in the Federal Register when adopted.

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 2 June 2016

Full text: <https://www.gpo.gov/fdsys/pkg/FR-2016-04-18/pdf/2016-08163.pdf>

Chile Notification CHL/351

Date issued: 6 April 2016

Agency responsible: Ministry of Public Works

National inquiry point: Ministry of Foreign Affairs, General Directorate of International Economic Affairs (DIRECON)

Products covered: Electric and hydraulic lifts

Title: NCh 440/1:2014 Requisitos de seguridad para la construcción e instalación de ascensores - Parte 1: Ascensores eléctricos (Chilean Standard (NCh) No. 440/1:2014 - Safety requirements for construction and installation of lifts - Part 1: Electric lifts); NCh 440/2:2015 Requisitos de seguridad para la construcción e instalación de ascensores - Parte 2: Ascensores hidráulicos (Chilean Standard (NCh) No. 440/2:2015 - Safety requirements for construction and installation of lifts – Part 2: Hydraulic lifts) (230 pages, in Spanish; 246 pages, in Spanish)

Description of content: Chilean Standard No. 440/1:2014 specifies the safety rules for the construction and installation of new, permanently installed electric lifts of the traction and winding-drum type, serving defined levels, equipped with a cabin/cage intended for the transport of persons or persons and goods, suspended by cables or chains, and traveling along guide rails at an angle of inclination not exceeding 15 degrees from the vertical. Chilean Standard No. 440/2:2015 specifies the safety rules for the construction and installation of new, permanently installed hydraulic lifts, serving defined levels, equipped with a cabin/cage intended for the transport of persons or persons and goods, suspended by hydraulic cylinders, cables or chains, and travelling along guide rails at an angle of inclination not exceeding 15 degrees from the vertical.

Objective and rationale: Quality requirements; protection of human health and safety.

Relevant documents: · Norma UNE EN 81-1: 2001+3. Reglas de seguridad para la construcción e instalación de ascensores - Parte 1: Ascensores eléctricos (Standard UNE EN 81-1: 2001+3 - Safety rules for the construction and installation of lifts - Part 1: Electric lifts) · Norma UNE EN 81-2: 2001+A3:2010. Reglas

de seguridad para la construcción e instalación de ascensores - Parte 2: Ascensores hidráulicos (Standard UNE EN 81-2: 2001+A3:2010 - Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 5 June 2016

Full text: <https://www.inncoleccion.cl/> Company: DIRECON-008 Username: direcon Password: direcon

Chile Notification CHL/350

Date issued: 6 April 2016

Agency responsible: Ministry of Public Works

National inquiry point: Ministry of Foreign Affairs, General Directorate of International Economic Affairs (DIRECON)

Products covered: Electric and hydraulic lifts and freight lifts

Title: NCh 2840/1:2014 Elevadores - Procedimientos de inspección - Parte 1: Ascensores y montacargas eléctricos (Chilean Standard (NCh) 2840/1:2014 - Elevators - Inspection procedures - Part 1: Electric lifts and freight lifts); NCh 2840/2:2014 Elevadores - Procedimientos de inspección - Parte 2: Ascensores y montacargas hidráulicos (Chilean Standard (NCh) 2840/2:2014 - Elevators - Inspection procedures - Part 2: Hydraulic lifts and freight lifts) (76 pages, in Spanish; 64 pages, in Spanish)

Description of content: Chilean Standards 2840/1:2014 and 2840/2:2014 establish the inspection and test procedures used to verify that electric and hydraulic lifts and freight lifts fulfil the requirements established in Chilean Standards 440/1 and 440/2, respectively. They also contain instructions regarding inspections and the safety measures that must be taken during such procedures.

Objective and rationale: Quality requirements; protection of human health and safety.

Relevant documents: · ASME A17.2.1:1996 - Inspectors' Manual for Electric Elevators, and 1997 and 1998 addenda thereto. · Chilean Standard (NCh) 440/1:2000 Construcción - Elevadores - Requisitos de seguridad e instalación, Parte 1: Ascensores y montacargas eléctricos (Construction - Elevators - Safety and installation requirements, Part 1: Electric lifts and freight lifts) · ASME A17.2.2:1997 - Inspectors' Manual for Hydraulic Elevators · Chilean Standard (NCh) 440/2:2001 Construcción - Elevadores - Requisitos de seguridad e instalación, Parte 2: Ascensores y montacargas hidráulicos (Construction - Elevators - Safety and installation requirements, Part 2: Hydraulic lifts and freight lifts)

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 5 June 2016

Full text: <https://www.inncoleccion.cl/> Company: DIRECON-008 Username: direcon Password: direcon

Uganda Notification UGA/538

Date issued: 16 April 2016

Agency responsible: Uganda National Bureau of Standards (UNBS)

National inquiry point: Uganda National Bureau of Standards (UNBS)

Products covered: Reinforcing and Pre-stressing Steel for Concrete; Structural Steel Products; Roof Covering Steel Products; Cement, Building Lime and Other Hydraulic Binders; Pneumatic Tyres and Tubes for Automotive Vehicles and Trailers; Protective Safety Equipment; Gas cylinders, Valves and Regulators; Power cables and Luminaries (Lighting Equipment); Electronic, Sound and Communication Equipment; High Risk Foods and Food Products; High Risk Chemical Products, Personal Hygiene and Consumer Goods; Neutral spirit for manufacture of gins and alcoholic beverages; Toys; Electrical and Electronics; Automotive Products and Inputs; Chemical Products; Mechanical Materials and Gas Appliances; Textile, Leather, Plastics and Rubber; Furniture (wood and metal articles); Paper and Stationery; Protective Safety Equipment; Food and Food Products and Used Products, including used Motor Vehicles.

Title: Draft Uganda National Bureau of Standards (Enforcement of Compulsory Standard Specifications) Regulations, 2016

Description of content: The draft regulations contain provisions for marking or applying a distinctive mark on a commodity; prohibition regarding manufacture, import, storage, sale and distribution of any commodity covered by a compulsory standard specification unless the commodity conforms to the specified relevant standards or bears the distinctive mark; registration and authorization to use the distinctive mark; application of the distinctive mark on a commodity; terms of use of the distinctive mark; Suspension of permit to use the distinctive mark; cancellation of permit; refusal to grant permit to use the distinctive mark; opportunity of

applicant to be heard; renewal of Permit to use the distinctive mark; surveillance audits; administrative Sanctions; fees payable; offences and penalties; and appeals.

Objective and rationale: Protection of animal or plant life or health; quality requirements; protection of human health or safety; Protection of the environment; Prevention of deceptive practices and consumer protection

Relevant documents: Uganda National Bureau of Standards Act, Cap 327

Proposed date of adoption: Not given by country

Proposed date of entry into force: Not given by country

Final date for comments: 15 June 2016

Full text: [https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA538\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/UGA/full_text/pdf/UGA538(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 15 May 2016

BSR/UL 1063-201X, Standard for Safety for Machine-Tool Wire and Cables (Proposal dated 4-15-16) (revision of ANSI/UL 1063-2012b)

This proposal includes the following topics: (1) Addition of requirements to allow the measured DC resistance values to be adjusted based on the construction of the cable; (2) Addition of requirements to clarify preparation of the sample for the oil immersion test; (3) Revision to reinforce requirements for a single conductor wire; and (4) Revision to Table 17.1 to remove an unnecessary footnote.

Send comments to or request information from Ross Wilson at Ross.Wilson@ul.com

BSR/UL 498A-201X, Standard for Safety for Current Taps and Adapters (Proposal dated 4-15-16) (revision of ANSI/UL 498A-2015)

This recirculation provides revisions to the proposal dated 11-27-2015.

Send comments to or request information from Ross Wilson at Ross.Wilson@ul.com

Due 22 May 2016

BSR/UL 1569-201x, Standard for Safety for Metal-Clad Cables (revision of ANSI/UL 1569-2015)

The following are being proposed: (1) Revision to permit Ground/Bond conductor to be laid straight for MC Cable having interlocked armor that is intended for use as a ground path and to permit conductors sized 18 and 16 AWG in addition to the prescribed 14-6 AWG size range; (2) Revised length-of-lay requirement for the signal and/or control cables within a pre-cabled group.

Send comments to or request information from Joshua Johnson at Joshua.Johnson@ul.com

BSR/UL 67-201X, Standard for Safety for Panelboards (Proposal dated 04-22-16) (revision of ANSI/UL 67-2015)

Revisions to Service Barrier Requirements (Section 5.4).

Send comments to or request information from Vickie Hinton at Vickie.T.Hinton@ul.com

Due 30 May 2016

BSR/ASA S2.2-1959 (R201x), Methods for the Calibration of Shock and Vibration Pickups (reaffirmation of ANSI/ASA S2.2-1959 (R2011))

This standard is designed to acquaint the user with the general principles of calibration of shock and vibration pickups and to describe concisely several standard methods which have proven to give reliable and reproducible results. Further details concerning these methods are given in the Appendix. Also, other methods that have not as yet reached the stage of development of the standard methods are described briefly in the Appendix.

Single copy price: \$150.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from and send comments to Neil Stremmel at nstremmel@acousticalsociety.org

BSR/ASA S2.70-2006 (R201x), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2011))

Specifies recommended method for measurement, data analysis, vibration and health risk assessments, and reporting of human exposure to hand-transmitted vibration. Specifies format for measurement, data analysis, vibration and health risk assessments, and reporting of hand-transmitted vibration, periodic or random, in three orthogonal axes, in the frequency range from 5.6 Hz to 1,400 Hz. Three normative annexes address risk assessments, mitigation, training, and medical surveillance.

Single copy price: \$110.00

Obtain an electronic copy from: asastds@acousticalsociety.org

Order from and send comments to Neil Stremmel at nstremmel@acousticalsociety.org

BSR/ASME B30.7-2011, Base Mounted Drum Hoists (revision of ANSI/ASME B30.7-2011)

B30.7 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of winches arranged for mounting on a foundation or other supporting structure for moving loads. Winches addressed in this Standard are those typically used in industrial, construction, and maritime applications. The requirements included in this Standard apply to winches that are powered by internal combustion engines, electric motors, compressed air, or hydraulics, and that utilize drums and rope. Also excluded are winches used with: (a) all-terrain-type recreational vehicles; (b) drill rig relocation trucks; (c) tow trucks; (d) vehicle recovery units; (e) boat trailers; (f) amusement park rides; (g) excavating equipment; (h) equipment covered by ANSI A10, A17, A90, A92, A120, B20, B56, and B77 Standards; and (i) free-fall applications such as pile driving. Provisions of this Standard do not apply to the movement of personnel.

Single copy price: Free

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

Order from Mayra Santiago at ansibox@asme.org

Send comments to Kathryn Hyam at hyamk@asme.org

BSR/ASQ Z1.11-2011 (R201x), Quality management system standards - Requirements for education organizations (reaffirmation of ANSI/ASQ Z1.11-2011)

Specifies quality system requirements where an education organization needs to (a) establish confidence in its ability to design, develop, deliver instruction, evaluate students, support research, provide public service, and maintain its support services to fulfill education requirements, satisfy customers, and meet expectations of interested parties and (b) maintain conformity to applicable legal and regulatory requirements.

Single copy price: \$19.00

Obtain an electronic copy from: ASQ.org T881E

Send comments to standards@asq.org

BSR/BHMA A156.18-201x, Materials and Finishes (revision of ANSI/BHMA A156.18-2012)

This Standard establishes finish test methods and code numbers for finishes on various base materials. It includes criteria for viewing comparative finishes to the BHMA match plates and establishes five categories of finishes.

Single copy price: \$36.00 (Nonmembers); \$18.00 (BHMA Members)

Order from and send comments to Michael Tierney at mtierney@kellencompany.com

BSR/ASSE Z359.1-201X, The Fall Protection Code (revision of ANSI/ASSE Z359.1-2007)

The Fall Protection Code is a set of standards that covers program management; system design; training; qualification and testing; and equipment, component, and system specifications for the processes used to protect workers at height in a managed fall protection program. This standard identifies those standards and establishes their role in the Code and their interdependence. Note changes to the title and scope.

Single copy price: \$80.00

Order from and send comments to Tim Fisher at TFisher@ASSE.Org

BSR C84.1-201x, Standard for Electric Power Systems and Equipment - Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2011)

This standard establishes nominal voltage ratings and operating tolerances for 60-hertz electric power systems above 100 volts. It also makes recommendations to other standardizing groups with respect to voltage ratings for

equipment used on power systems and for utilization devices connected to such systems. This standard includes preferred voltage ratings up to and including 1200 kV maximum system voltage, as defined in the standard. In defining maximum system voltage, voltage transients and temporary overvoltages caused by abnormal system conditions such as faults, load rejection, and the like are excluded. However, voltage transients and temporary overvoltages may affect equipment operating performance and are considered in equipment application.

Single copy price: \$73.50

Order from and send comments to Khaled Masri at khaled.masri@nema.org

BSR/UL 2272-201x, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard)

Covers the proposed first edition of the Standard for Electrical Systems for Self-Balancing Scooters.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: <http://www.comm-2000.com>

Send comments to Megan Sepper at Megan.M.Sepper@ul.com

Due 6 June 2016

BSR/ASHRAE Standard 16-201x, Method of Testing for Rating Room Air Conditioners, Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps for Cooling and Heating Capacity (revision of ANSI/ASHRAE Standard 16-1983 (R2014))

ASHRAE Standard 16-1983R (RA 2014) prescribes test methods for determining the cooling and heating capacity of room air conditioners, packaged terminal air-conditioners, and packaged terminal heat pumps.

Single copy price: \$35.00

Order from and submit comments at <http://www.ashrae.org/standards-research--technology/public-review-drafts>

BSR/ASSE A10.43-201X, Confined Space Entry for Construction and Demolition Operations (new standard)

This standard sets forth the minimum elements and activities of a program that defines the duties and responsibilities of construction employers to be followed while entering, exiting, and working in confined spaces at normal atmospheric pressure.

Single copy price: \$80.00

Order from and send comments to Tim Fisher at TFisher@ASSE.Org

BSR/NECA 700-201X, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)

This standard describes the application procedures for selecting and adjusting low-voltage overcurrent protective devices to achieve selective coordination.

Single copy price: \$40.00

Order from and send comments to Sofia Arias at sofia.arias@necanet.org

BSR C78.44-201X, Electric Lamps: Double-Ended Metal Halide Lamps (revision and redesignation of ANSI ANSLG C78.44-2008)

Standardize the M134 LCD and revise and update the standard.

Single copy price: \$220.00

Order from and send comments to Michael Erbesfeld at Michael.Erbesfeld@nema.org

BSR/NETA ATS-201x, ANSI/NETA Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ATS-2013)

It is the intent of this document to assure that all tested electrical equipment and systems supplied by either contractor or owner are operational and within applicable standards and manufacturer's tolerances and that equipment and systems are installed in accordance with design specifications.

Single copy price: \$495.00

Order from and send comments to Kristen Wicks at kwicks@netaworld.org

BSI Public Review Announcements

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

Due 31 May 2016

CEN-CENELEC STEER, Consultation of national and European stakeholders in CEN and CENELEC

The CEN and CENELEC Ambitions to 2020 call for improvements to the European Standardization System (the System) and its sustainability. To address these ambitions and in recognition of the importance of managing interactions with stakeholders on areas of technological convergence across CEN and CENELEC, strategic actions have been identified relating to the optimisation of the governance structure and the effectiveness and efficiency of standards development.

In early 2015, national members of CEN and CENELEC came together to identify improved ways of working collaboratively in order to further build upon the strength of the System and the value that this system provides to European stakeholders.

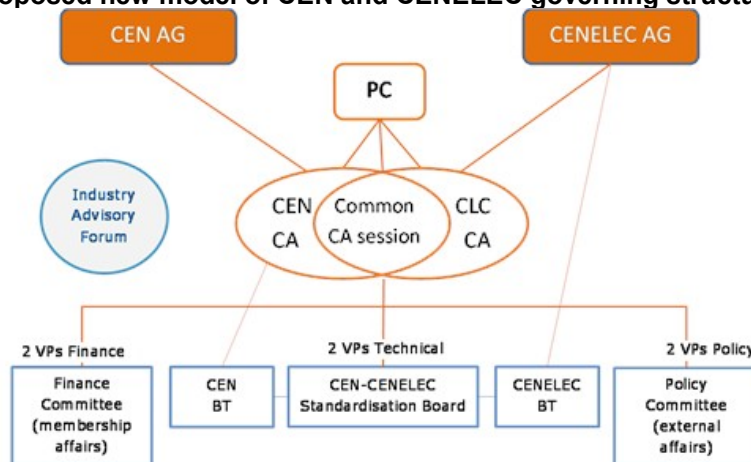
Outputs from WGs 1 and 2 (Governance and Technical):

Proposal 1

A new governance framework for the cooperation of the two organizations. Highlights of the proposed model include the retention of the CEN/General Assembly (CEN/AG) and CENELEC/General Assembly (CENELEC/AG) and the retention of the CEN/Administrative Board (CEN/CA) and CENELEC/Administrative Board (CENELEC/CA).

The model recommends structuring the CEN/CA and CENELEC/CA meetings around common sessions to discuss common issues [Objectives 2 and 4]. Common issues would focus on those areas where a coordinated CEN and CENELEC message is important; for example the approval of new members, the position on European Commission (EC) seconded experts in other countries, EC/EFTA matters and Joint Presidents Group issues. The Presidential Committee (PC) would provide guidance and leadership and decide upon common and non-common topics, based on input from joint structures feeding into those discussions (e.g. Policy, Finance). The model also proposes an Industry Advisory Forum feeding into the CA structures and enabling a two-way conversation with industry on policy issues [Objectives 1 and 3].

Proposed new model of CEN and CENELEC governing structure



Proposal 2

A CEN-CENELEC Standardization Board coordinating all strategic matters relating to the standardisation work of both organizations [Objectives 2 and 4], for example, European Commission requests that cover converging

technologies relevant to both organizations, Annual Union Work Programme on ICT standardization, changes to the Internal Regulations and modifications to the standards development process.

Proposal 3

The possibility, where appropriate and by general agreement of all those affected, of forming sector structures that would include direct industry representation and have specific responsibilities delegated by the Technical Boards (e.g. allocation of secretariats, appointment of chairmen, monitoring of work programmes and their progress) [Objectives 1 and 3].

CSA Public Review Announcements

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

Due 14 June 2016

C22.2 No. 327 HDPE conduit, cable in conduit, and fittings (New Standard)

This Standard applies to HDPE (high density polyethylene) conduit, HDPE conduit with conductors, and fittings, intended for use at a continuous operating temperature of 75°C or 90°C, for the installation in accordance with the Rules of the Canadian Electrical Code, Part I, for direct burial or encasement in concrete or masonry in ordinary (non-hazardous) locations.

Due 17 June 2016

C22.1 C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4076, Revisions to Section 18 and Appendix F related to intrinsically safe and non-incendive electrical equipment and wiring - Terminology. (Amendment)

Revisions are required to definitions, code rules, notes to rules and supplementary appendix materials to facilitate the safe installation, verification and on-going maintenance of intrinsically safe and non-incendive wiring systems.

Due 18 June 2016

CAN/CSA ISO 14004 Environmental management systems — General guidelines on implementation (New Edition)

Provides guidance for an organization on the establishment, implementation, maintenance and improvement of a robust, credible and reliable environmental management system. The guidance provided is intended for an organization seeking to manage its environmental responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.

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/ASA S1.11-201x/Part 2 / IEC 61260-2:2016, Electroacoustics - Octave-Band and Fractional-Octave-Band Filters - Part 2: Pattern evaluation tests (identical national adoption of IEC 61260-2:2016)

This part provides details of the tests necessary to verify conformance to all mandatory specifications given in ANSI/ASA S1.11-2014/Part 1 / IEC 61260-1:2014 for octave-band and fractional-octave-band filters. Tests and test methods are applicable to class 1 and class 2 bandpass filters. The aim is to ensure that all testing laboratories use consistent methods to perform pattern-evaluation tests. For more information, contact Neil Stremmel at asastds@acousticalsociety.org

BSR/ASA S1.11-201x/Part 3 / IEC 61260-3:2016, Electroacoustics - Octave-Band and Fractional-Octave-Band Filters - Part 3: Periodic tests (identical national adoption of IEC 61260-3:2016)

This part describes procedures for periodic testing of octave-band and fractional-octave-band filters that were designed to conform to the class 1 or class 2 specifications given in ANSI/ASA S1.11-2014/Part 1 / IEC 61260-1:2014. The aim of this standard is to ensure that periodic testing is performed in a consistent manner by all laboratories. For more information, contact Neil Stremmel at asastds@acousticalsociety.org

BSR/ASA S3.2-201x, Method for Measuring the Intelligibility of Speech over Communication Systems (revision of ANSI/ASA S3.2-2009 (R2014))

Measurement of the intelligibility of speech over entire communication systems and evaluation of the contributions of elements of the system. It also includes evaluation of factors that affect speech intelligibility. Speech intelligibility over a communication system is measured by comparing the words trained listeners receive and identify with the words trained talkers or speech coders speak into a communication system that connects the talkers with the listeners. For more information, contact Neil Stremmel at asastds@acousticalsociety.org

BSR/IAPMO USPSHTC 1-201x, Uniform Swimming Pool, Spa & Hot Tub Code (revision of ANSI/IAPMO USPSHTC 1-2015)

The provisions of this code shall apply to the erection, installation, alteration, addition, repair, relocation, replacement, addition to, use or maintenance of swimming pool, spa or hot tub systems. For more information, contact Lynne Simnick at lynne.simnick@iapmo.org.

BSR/ICEA S-87-640-201x, Standard for Optical Fiber Outside Plant Communications Cable (revision of ANSI/ICEA S-87-640-2011)

This Standard covers optical fiber communications cable intended for outdoor use and normally installed aerially, directly buried, or placed in underground ducts. Additional requirements are included in Annex D for Figure 8 aerial self-supporting cables and in Annex F for all-dielectric self-support cables, as appropriate. Materials, constructions, and performance requirements are included in the Standard, together with applicable test procedures. For more information, contact Kevin Connelly at Kevin.Connelly@Nema.org.

BSR C18.4M-201x, Standard for Portable Cells and Batteries - Environmental (revision and redesignation of ANSI C18.4-2015)

- Raise awareness that provisions in battery standards can affect the environment in negative and positive ways;
- Outline the relationship between battery standards and the environment;
- Help avoid provisions in battery standards that may lead to adverse environmental effects. - Emphasize that addressing environmental aspects in battery standards is a complex process which requires a balance in competing priorities.
- Recommend the use of recognized scientific methodologies when developing battery standards that incorporate environmental aspects. For more information, contact Khaled Masri at khaled.masri@nema.org.

BSR A326.3-201x, Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials (new standard)

This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials. This method can be used in the laboratory or in the field. For more information, contact Katelyn Simpson at KSimpson@tileusa.com.

BSR/NENA STA-027.3-201x, NENA E9-1-1 PSAP Equipment Standard (new standard)

The existing E9-1-1 PSAP Equipment Standard, NENA 04-001, was examined and found to be inaccurate and out-of-date in some respects. Some references have changed and need to be corrected. Some specifications may be outdated and/or incorrect. This standard is expected to be in use for the foreseeable future. To actively participate in this effort, please go to <http://www.nena.org/?page=JoinAgencySysDocRvw> and complete the form. For more information, contact Roger Hixson at rhixson@nena.org.

BSR/UL 96A-201x, Standard for Safety for Installation Requirements for Lightning Protection Systems
(new standard)

These requirements cover the installation of lightning protection systems on all types of structures other than structures used for the production, handling, or storage of ammunition, explosives, flammable liquids or gases, and other explosive ingredients, including dust. These requirements apply to lightning protection systems that are complete and cover all parts of a structure. Partial systems are not covered by this standard. These requirements shall not apply to adjacent structures. Adjacent structures shall be considered separate structures. For more information, contact Mitchell Gold at Mitchell.Gold@ul.com.

BSR C63.19-201x, Standard Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids (revision of ANSI C63.19-2011)

The current standard specifies uniform methods of measurement and parametric requirements for the electromagnetic and operational compatibility of hearing aids used with wireless communications devices (WDs) that operate in the 88-MHz to 6-GHz frequency range. For more information, contact Susan Vogel at s.vogel@ieee.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.

ANSI/ASTM E1836-2009 (R2016), Practice for Building Floor Area Measurements for Facility Management
(reaffirmation of ANSI/ASTM E1836-2009): 22 March 2016

ANSI E1.27-1-2006 (R2016), Entertainment Technology - Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-1-2006 (R2010)): 8 April 2016

ANSI C136.49-2016, Roadway and Area Lighting Equipment – Plasma Lighting (new standard): 7 April 2016

ANSI C78.60360-2002 (S2016), Standard for Electric Lamps - Standard Method of Measurement of Lamp Cap Temperature Rise (stabilized maintenance of ANSI C78.60360-2002 (R2010)): 30 March 2016

ANSI/ICEA T-27-581-2016, Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables (revision and redesignation of ANSI/NEMA ICEA T-27-581-2008/NEMA WC 53-2008): 7 April 2016

ANSI/NEMA MW 1000-2016, Magnet Wire (revision and redesignation of ANSI/NEMA MW 1000-2015): 6 April 2016

ANSI/UL 1012-2012 (R2016), Standard for Safety for Power Units Other Than Class 2 (reaffirmation of ANSI/UL 1012-2012): 4 April 2016

ANSI/UL 998-2016, Standard for Safety for Humidifiers (Proposal dated 10-09-15) (revision of ANSI/UL 998-2011): 4 April 2016

ANSI/UL 998-2016a, Standard for Safety for Humidifiers (Proposal dated 12-25-15) (revision of ANSI/UL 998-2011): 4 April 2016

ANSI/UL 1650-2016, Standard for Safety for Portable Power Cables (Proposal dated 1/29/16) (revision of ANSI/UL 1650-2015): 1 April 2016

ANSI/ABMA/ISO 15242-1-2016, Rolling bearings - Measuring methods for vibration - Part 1: Fundamentals (identical national adoption of ISO 15242-1:2015): 18 April 2016

ANSI/ABMA/ISO 15242-2-2016, Rolling bearings - Measuring methods for vibration - Part 2: Radial ball bearings with cylindrical bore and outside surface (identical national adoption of ISO 15242-2:2015): 18 April 2016

ANSI/BIFMA M7.1-2011(R2016), Standard Test Method for Determining VOC Emissions From Office Furniture Systems, Components and Seating (reaffirmation of ANSI/BIFMA M7.1-2011): 12 April 2016

ANSI/BIFMA X7.1-2011(R2016), Standard for Formaldehyde and TVOC Emissions of Low-emitting Office Furniture and Seating (reaffirmation of ANSI/BIFMA X7.1-2011): 12 April 2016

ANSI/ANS 2.21-2012 (R2016), Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink (reaffirmation of ANSI/ANS 2.21-2012): 18 April 2016

ANSI ASA S12.5-2016/ISO 6926-2016, Acoustics - Requirements for the Performance and Calibration of Reference Sound Sources Used for the Determination of Sound Power Levels (identical national adoption of ISO 6926:2016 and revision of ANSI/ASA S12.5 -2006/ISO 6926:1999 (R2011)): 11 April 2016

ANSI/EIA 364-41E-2010 (R2016), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010): 13 April 2016

ANSI/EIA 364-51A-2002 (R2016), Ice Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-51A-2002 (R2009)): 13 April 2016

ANSI/EIA 364-58A-2003 (R2016), Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-58A-2003 (R2009)): 18 April 2016

ANSI/EIA 364-88A-2009 (R2016), Residual Magnetism Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-88A-2009): 13 April 2016

ANSI/EIA 364-96-2002 (R2016), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364 -96-2002 (R2009)): 13 April 2016

ANSI/EIA 364-109-2003 (R2016), Loop Inductance Measurement Test Procedure for Electrical Connectors (1 nH-10 nH) (reaffirmation of ANSI/EIA-364-109-2003 (R2009)): 13 April 2016

ANSI/EIA 364-112-2010 (R2016), Contact Resistance and Current Rating of Parallel Circuits Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-112-2010): 13 April 2016

ANSI/EIA 364-113-2010 (R2016), Corrosivity of Contacts Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-113-2010): 13 April 2016

ANSI/ASME B30.19-2016, Cableways (revision of ANSI/ASME B30.19-2011): 18 April 2016

ANSI/EMAP US&R-2016, Urban Search and Rescue Standards (new standard): 12 April 2016

ANSI/ITSDF B56.6-2016, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6-2011): 11 April 2016

ANSI C82.3-2016, Lamp Ballasts - Reference Ballasts for Fluorescent Lamps (revision of ANSI C82.3-2002 (R2010)): 8 April 2016

ANSI/SCTE 224-2016, Event Scheduling and Notification Interface (new standard): 15 April 2016

ANSI/TIA 921-C-2016, Network Model for Evaluating Multimedia Transmission Performance Over Internet Protocol (revision and redesignation of ANSI/TIA 921-B-2011): 12 April 2016

ANSI/UL 66-2011 (R2016), Standard for Safety for Fixture Wire (reaffirmation of ANSI/UL 66-2011): 12 April 2016

ANSI/UL 1990-2011 (R2016), Standard for Safety for Nonmetallic Underground Conduit with Conductors (reaffirmation of ANSI/UL 1990-2011): 15 April 2016

Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following project has been withdrawn accordingly:

BSR/ASA S3.54-201x, Spatial Audiometry in Real and Virtual Environments (new standard)

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. The prices, when shown, are for purchases through ANSI; prices elsewhere may differ.

ISO 16283-1/DAMd1, Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation - Amendment 1 – 30 June 2016, \$33.00

ISO/DIS 22319, Security and resilience - Guidelines for planning the involvement of spontaneous volunteers – 7 May 2016

23/734/CDV, IEC 63044-1 Ed.1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 1: General requirements, 1 July 2016

23/735/CDV, IEC 63044-3 Ed.1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 3: Electrical safety requirements, 1 July 2016

23/736/CDV, IEC 63044-5-1 Ed.1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up, 1 July 2016

23/737/CDV, IEC 63044-5-2 Ed.1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment, 1 July 2016

23/738/CDV, IEC 63044-5-3 Ed.1: General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industry environment, 1 July 2016

31/1245/CD, IEC 62990-1/Ed1: Workplace Atmospheres - Part 1 Gas detectors - Performance requirements of detectors for toxic gases, 1 July 2016

31/1248/CD, IEC 60079-31/Ed3: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t", 1 July 2016

34B/1847A/CD, IEC 60061 f75 Ed.3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps; - Part 2: Holders; - Part 3: Gauges (Proposal for the amendment of GX16t-5 Caps, Holders and Gauges - sheet number 183), 29 April 2016

34B/1848/CDV, Amendment 55 to IEC 60061-1 Ed.3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps, 1 July 2016

37B/150/CDV, IEC 61643-352/Ed1: Components for low-voltage surge protection - Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SIT), 1 July 2016

46C/1040/CD, IEC 61156-1-4: Multicore and Symmetrical Pair/Quad Cables for Digital Communications - Part 1-4: Assessment of the conductor heating in bundled cables due to the deployment of power transmission based on IEEE 802.3 PoE-regime, 1 July 2016

47/2293/NP, Future IEC XXXXX-1 Ed.1: Semiconductor devices - Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices - Part 1: Classification of defects, 1 July 2016

48B/2479/CDV, IEC 61076-3-122/Ed1: Connectors for electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and Gigabit applications in harsh environments, 1 July 2016

57/1704/FDIS, IEC 62361-100 Ed.1: Power systems management and associated information exchange - Interoperability in the long term - Part 100: CIM profiles to XML schema mapping, 20 May 2016

57/1706/DTS, IEC 62361-102 TS Ed.1: Power systems management and associated information exchange - Interoperability in the long term - Part 102: CIM - IEC 61850 harmonization, 1 July 2016

100/2649/NP, Universal Serial Bus interfaces for data and power – Part 1-2: Common components - USB Power Delivery Specification, 1 July 2016

111/413/CDV, IEC 63000: Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances, 1 July 2016

111/414/CDV, Amendment 1 to IEC 62321-4: Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS, 07/01/2016
119/98/CDV, IEC 62899-302-1 Ed.1: Printed electronics - Part 302-1: Equipment - Inkjet Imaging based measurement of jetting speed, 1 July 2016

119/99/CDV, IEC 62899-401 Ed.1: Printed Electronics - Part 401: Printability - Overview, 1 July 2016

120/72/NP, PNW 120-72: Safety considerations related to the integrated electrical energy storage (EES) systems – Batteries, 6 May 2016

ISO/DIS 19610, Traditional Chinese medicine - General requirements for industrial manufacturing process of red ginseng (Panax ginseng C.A. Meyer) – 14 May 2016, \$53.00

34B/1849/CDV, IEC 60061 Ed.3: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps - Amendment 56; Part 2: Lampholders - Amendment 52; Part 3: Gauges - Amendment 53; IEC 60061-4 Ed.1: Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 4: Guidelines and general information - Amendment 15, 8 July 2016

44/764/NP, Security Aspects Related to Functional Safety of Safety- Related Control Systems, 8 July 2016

47/2287/CDV, IEC 60749-4 Ed.2: Semiconductor devices – Mechanical and climatic test methods - Part 4: Damp heat, steady state, highly accelerated stress test (HAST), 8 July 2016

48B/2482/CDV, IEC 62946-02/Ed1: Connectors for electronic equipment - Part 02: Detail specification for 8-way, unshielded, free and fixed high density connectors for data transmission up to 250 MHz and with current carrying capacity up to 1A, 8 July 2016

48B/2483/CDV, IEC 61076-2-113/Ed1:Connectors for electronic equipment - Product requirements - Part 2-113: Circular connector - Detail specification for connectors with data and power contacts with M12 screw-locking for frequency up to 100MHz, 8 July 2016

57/1677/CDV, IEC 61970-453 A1 Ed.2: Amendment 1 to IEC 61970 -453 Ed.2: Energy management system application program interface (EMS-API) - Part 453: Diagram layout profile, 8 July 2016

64/2116/CD, IEC 60364-5-56: Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services, 8 July 2016

81/521/CD, IEC 62305-4 Ed.3: Protection against lightning - Part 4: Electrical and electronic systems within structures, 8 July 2016

91/1359/FDIS, IEC 61636 Ed.1: IEEE Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA) (IEEE 1636-2009), 27 May 2016

91/1360/FDIS, IEC 61636-1 Ed.1: IEEE Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Exchanging Test Results and Session Information via the eXtensible Markup Language (XML) (IEEE 1636.1-2013), 27 May 2016

91/1361/FDIS, IEC 61636-99 Ed.1: IEEE Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA): Common Information Elements (IEEE 1636.99-2013), 27 May 2016

91/1362/FDIS, IEC 63055 Ed.1: IEEE Standard Format for LSIPackage- Board Interoperable Design (IEEE 2401-2015), 27 May 2016

100/2649A/NP, Universal Serial Bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery Specification, 1 July 2016

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 62351-SER Ed. 1.0 en:2016, Power systems management and associated information exchange - Data and communications security - ALL PARTS, \$1969.00

IEC 60195 Ed. 2.0 b:2016, Method of measurement of current noise generated in fixed resistors, \$206.00

IEC 60384-14-2 Ed. 2.0 b:2016, Fixed capacitors for use in electronic equipment - Part 14-2: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Safety tests only, \$61.00

IEC 62595-2-1 Ed. 1.0 en:2016, Display lighting unit - Part 2-1: Electro-optical measuring methods of LED backlight unit, \$85.00

TSP Meeting Schedule

The chronological TSP meeting schedule is posted at <http://www.esta.org/ESTA/meetings.php>. The July meetings at the Roosevelt Hotel in New York City are in conjunction with the [NATEAC](#) conference. Our schedule runs immediately prior to the conference. The hotel reservation deadline is 27 June and will not be extended. (Alphabetical July meeting schedule. All meetings are at the Roosevelt Hotel unless otherwise listed.)

At the Roosevelt Hotel in New York City:		
Control Protocols Working Group (CPWG)	09:00 – 13:00	Thursday 14 July 2016
CPWG Automation Study Group	14:00 – 18:00	Friday 15 July 2016
CPWG BSR E1.20, RDM TG	09:00 – 13:00	Friday 15 July 2016
CPWG BSR E1.33, RDMnet TG	14:00 – 18:00	Thursday 14 July 2016
CPWG BSR E1.37-4, Firmware TG	13:00 – 16:00	Saturday 16 July 2016
CPWG BSR E1.37-5, General PIDs TG	09:00 – noon	Saturday 16 July 2016
Fog & Smoke Working Group	14:00 – 16:00	Friday 15 July 2016
Photometrics Working Group	16:00 – 18:00	Friday 15 July 2016
Rigging Working Group (RWG)	09:00 – 13:00	Friday 15 July 2016
RWG BSR E1.4-1, Manual Counterweight TG	14:00 – 16:00	Saturday 16 July 2016
RWG BSR E1.6-1, Powered Hoist TG (This meeting is at the ESTA office: 630 Ninth Ave., Suite 609)	14:00 – 17:00	Friday 15 July 2016
RWG BSR E1.50, Video Systems TG	14:00 – 18:00	Thursday 14 July 2016
RWG BSR E1.56, Rigging Points TG	09:00 – 13:00	Thursday 14 July 2016
Stage Lifts Working Group	09:00 – 13:00	Saturday 16 July 2016
Technical Standards Council	14:00 – 18:00	Thursday, 14 July 2016

Note that there will be no coffee or other beverages offered in the July meetings. The Roosevelt Hotel charges dinner-prices for beverages at meetings, thus putting providing refreshments out of budget. There are many coffee and snack places within the hotel, next door, or across the street. Take your pick and bring your own.

ESTA Standards Watch

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

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