

# **ESTA Standards Watch**

Late September 2018

Volume 22, Number 18

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### **ESTA Publishes New Standard for Raked Stages**

ANSI E1.60 – 2018, Guidelines for the Use of Raked Stages in Live Performance Environments, was approved by ANSI's Board of Standards Review on Friday, September 21, and published on Monday, September 24. It can be downloaded at no cost from the ESTA TSP website at <a href="http://tsp.esta.org/freestandards">http://tsp.esta.org/freestandards</a>. The no-cost download is made possible by the sponsorship of ProSight Specialty Insurance. It may be purchased for \$40 from ANSI and IHS at <a href="https://webstore.ansi.org/">https://webstore.ansi.org/</a> and <a href="https://global.ihs.com/">https://global.ihs.com/</a> respectively.

ANSI E1.60 offers guidance for the use of raked stages in live performance environments to mitigate the risks for the protection of actors and technicians. The guidance offered is fundamentally a risk assessment/risk reduction approach, with a process outlined and suggestions offered on what must, should, or might be done to control the risk.

#### Four ESTA Standards Available for Review

Four documents are available for public review on the ESTA website at <a href="http://tsp.esta.org/tsp/documents/public\_review\_docs.php">http://tsp.esta.org/tsp/documents/public\_review\_docs.php</a>. People materially affected by the standards are invited to review them and to comment on them. The documents are:

### **BSR E1.6-1, Powered Hoist Systems**

ANSI E1.6-1 – 201x, Entertainment Technology – Powered Hoist Systems, last approved in 2012, is being revised. This document establishes requirements for the design, manufacture, installation, inspection, and maintenance of powered hoist systems for lifting and suspension of loads for performance, presentation, and theatrical production. This standard does not apply to the structure to which the hoist is attached, to the attachment of loads to the load carrying device, to systems for flying people, to welded link chain hoists, or to manually powered hoists. The review runs through October 22; please comment before October 23 starts.

# BSR E1.33, Entertainment Technology -- (RDMnet) -- Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks

This standard defines a method for carrying E1.20 (RDM) messages over IP networks. It also defines a scalable architecture for RDM message transmission that allows multi-controller environments with tens of thousands of RDM Responders. Additionally, a minimal protocol is defined for carrying non-RDM data over the same architecture. The review runs through November 5; please comment before November 6 starts.

BSR E1.37-7, Additional Message Sets for ANSI E1.20 (RDM) - Gateway & Splitter Messages
This document provides additional Get/Set Parameter Messages for use with the ANSI E1.20 Remote Device
Management protocol. This document contains messages relating to configuring managed splitters, proxy
devices, and RDMnet Devices. The review runs through November 5; please comment before November 6
starts.

# BSR E1.53, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice

The standard covers specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories and their use. It also covers these mounting devices for special effects equipment often mounted along with lighting equipment on trusses and rigging system battens. The standard is being revised to clarify marking requirements and environmental considerations. Comments are due before 20 November 2018 starts.

### **Event Safety Summit Session Information Now Available**

Session details for this year's event are now available online. Visit <a href="http://eventsafetyalliance.org/2018-event-safety-summit/">http://eventsafetyalliance.org/2018-event-safety-summit/</a> for event details and to register. The Summit will be held Wednesday 28 November through Friday 30 November 2018 at Rock Lititz in Lititz, Pennsylvania.

This year's summit, entitled "Designing for Safety: Planning, Creativity, and the Art of Problem Solving" will explore the importance of intentional design when developing safety and operational plans, training, event structures, and careers. The over 20 presentations and forums will include:

- Exhausted, Under Pressure, and Out of Time
- · Living in Yellow
- Working by the Book
- Gravity Bites: Rigging Safety for Managers
- Wrestling with the Law
- · Breaking & Entering: Safety as a Core Value
- What's Throng with this Situation?
- Hotwash!
- ?Medic!
- Resilient Teams
- Built on wishes and dreams: Where creativity and engineering meet
- Annoying Acronyms: Demystifying Event Safety Management Plans

- Left Hanging: Fall Rescue Planning
- Exceptional Circumstances
- On the Road Again: Touring Production Safety Group
- Mud Baths and Mosh Pits: Festival Production Safety Group
- Your Show, Our House: Venue Safety Group
- Sales, Suits, and Safety: Corporate Event Safety Group
- · Sunny with a Chance of Lightning
- · Who's in Charge Here?

### **Electrics and Rigging Workshops before the Event Safety Summit**

Entertainment Electrics and Entertainment Rigging Workshops will be held on the Rock Lititz Campus on November 26 and 27, the two days before the Event Safety Summit.

The Entertainment Electrics Workshop is a two-day course covering a wide range of topics, starting with basic electricity and circuits to intermediate and advanced power distribution, electrical safety, codes and regulations. Presented by ETCP Recognized Trainer and author Richard Cadena, this class covers topics that are listed in the content outline for the ETCP Portable Power Distribution Technician Certification Exam. Day-one covers the essentials of electrical circuits and power calculations, and day-two covers electrical safety, power distribution, and codes and regulations. This course counts toward 14 renewal credits for ETCP Certified Electricians and ETCP Certified Riggers. More information and registration are available at <a href="http://eventsafetyalliance.org/entertainment-electrics-class-2018/">http://eventsafetyalliance.org/entertainment-electrics-class-2018/</a>.

The Entertainment Rigging Workshop is a two-day course covering everything from the basics to advanced practices of entertainment rigging. From proper hardware selection and inspection to load calculations and proper workplace safety, the session will help you learn how to work safer, faster and better. The instructor is Ethan Gilson, a graduate of Emerson College, with 25+ years of experience working in the entertainment rigging and lighting industry. More information and registration are available at <a href="http://eventsafetyalliance.org/entertainment-rigging-workshop/">http://eventsafetyalliance.org/entertainment-rigging-workshop/</a>.

### **WTO Technical Barrier to Trade Notifications**

The U.S. Department of Commerce's service, Notify U.S., recently has announced a WTO Technical Barrier to Trade notice that may be of interest to *Standards Watch* readers. If you have a problem with a TBTs, you can protest through your representative to the World Trade Organization. (So far the USA is still a member of the WTO.) See "Guidance for Comment Submissions by U.S. Industry on TBT Notifications" at <a href="http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm">http://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm</a> or <a href="http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/">http://ec.europa.eu/growth/tools-databases/tbt/en/tbt-and-you/being-heard/</a> for advice on filing objections.

### Republic of Korea Notification KOR/787

Date issued: 24 September 2018

**Agency responsible**: National Radio Research Agency (RRA)

**National inquiry point**: korean agency for technology and standards (kats), ministry of commerce, industry and energy (mocie) (kats/mocie)

Products covered: EMC (Electromagnetic Compatibility) Regulation

**Title**: Draft amendment of Technical Regulation for Electromagnetic Compatibility (19 pages, in Korean) **Description of content**:

- 1. Regulation the electromagnetic compatibility criteria of the Programmable logic controller (Article 5, Annex 2)
- 2. Considering the electromagnetic environment of Photovoltaic power generating systems, it relaxed conduction disturbance criteria above 75 kV (Article 6 (1), Annex 3)
- 3. Establishment the electromagnetic compatibility criteria of Protective relays (Article 6 (4), Annex 3, 4)

Objective and rationale: Harmonization

Relevant documents: RRA Public Notice No. 2018-97 (19 September 2018)

Proposed date of adoption: Not given by country Proposed date of entry into force: Not given by country Final date for comments: 23 November 2018

Full text: https://tsapps.nist.gov/notifyus/docs/wto\_country/KOR/full\_text/pdf/KOR787(korean).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 21 October 2018

BSR/UL 242-201x, Standard for Safety for Nonmetallic Containers for Waste Paper (revision of ANSI/UL 242-2004 (R2017))

The following is being proposed: (1) Replacing carbon paper with shredded newspaper for the Internal Fire Test. Send comments to: Jeff Prusko, jeffrey.prusko@ul.com

#### Due 29 October 2018

# BSR/EASA AR100-201x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100 -2015)

This document describes record-keeping, tests, analysis, and general guidelines for the repair of induction, synchronous, and directcurrent rotating electrical apparatus. It is not intended to take the place of the customer's or the machine manufacturer's specific instructions or specifications or specific accepted and applicable industry standards or recommended practices.

Single copy price: Free online download

Obtain an electronic copy from: <a href="mailto:easainfo@easa.com">easainfo@easa.com</a> Send comments to: Thomas Bishop, <a href="mailto:tbishop@easa.com">tbishop@easa.com</a>

BSR/ISA 62453-303-1 (103.00.05)-201x, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (identical national adoption of IEC 62453-303-1 and revision of ANSI/ISA 62453-303-1 (103.00.05) -2011)

This part of ISA 62453 series provides information for integrating the PROFIBUS protocol into the FDT interface specification (ISA 62453–2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Single copy price: \$400.00

Order from and send comments to: Rob Breiner, rbreiner@isa.org

BSR/ISA 62453-303-2 (103.00.06)-201x, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (identical national adoption of IEC 62453-303-2 and revision of ANSI/ISA 62453-303-2 (103.00.06)-2011) This part of ISA 62453 provides information for integrating the PROFINET® technology into the FDT interface (ISA 62453-2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Single copy price: \$300.00

Order from and send comments to: Rob Breiner, rbreiner@isa.org

# BSR/ISA 95.00.05-201x, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013)

This standard defines business-to-manufacturing transactions that may be used on the objects defined in the object models of the Part 1 and Part 2 standards in the ANSI/ISA 95 series. The transactions of required and actual manufacturing activities bind and organize the manufacturing objects and activities defined in those earlier standards.

Single copy price: \$99.00

Order from and send comments to: Charles Robinson, crobinson@isa.org

#### Due 5 November 2018

### BSR/AWS D1.2/D1.2M-201x, Structural Welding Code - Aluminum (revision of ANSI/AWS D1.2/D1.2M-2014)

This code covers the welding requirements for any type structure made from aluminum structural alloys, except for aluminum pressure vessels and pressure piping. Clauses 1 through 10 constitute a body of rules for the regulation of welding in aluminum construction. A commentary on the code is also included with the document. Single copy price: \$126.00

Order from and send comments to: Jennifer Molin, jmolin@aws.org

### BSR/BICSI 009-201x, Data Center Operations and Maintenance Best Practices (new standard)

This standard provides requirements, recommendations, and best practices for the operation and maintenance of data centers including but not limited to standard operating procedures, emergency operating procedures, maintenance, governance, and management.

Single copy price: Free

Order from and send comments to: jsilveira@bicsi.org

# BSR/BICSI 002-201x, Data Center Design and Implementation Best Practices (revision of ANSI/BICSI 002-2014)

This is a periodic revision of ANSI/BICSI 002-2014. All content will be reviewed and modified as needed, with new material being created to address developments within data center design.

Single copy price: Free

Order from and send comments to: jsilveira@bicsi.org

# BSR E1.33-201x, Entertainment Technology - (RDMnet) - Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks (new standard)

This standard describes a method of implementing ANSI E1.20, Remote Device Management, messaging over an IP-based network.

Single copy price: Free

Obtain an electronic copy from: <a href="http://tsp.esta.org/tsp/documents/public review docs.php">http://tsp.esta.org/tsp/documents/public review docs.php</a>

Send comments to: Richard Nix, standards@esta.org

# BSR E1.37-7-201x, Additional Message Sets for ANSI E1.20 (RDM) - Gateway & Splitter Messages (new standard)

This document provides additional Get/Set Parameter Messages for use with the ANSI E1.20 Remote Device Management protocol. This document contains messages relating to configuring managed splitters, proxy devices, and RDMnet Devices (see BSR E1.33).

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public\_review\_docs.php

Send comments to: Richard Nix, standards@esta.org

# BSR/IES RP-16-2017 Addendum 2-201x, Nomenclature and Definitions for Illuminating Engineering - Addendum 2: New and Modified Terms (addenda to ANSI/IES RP-16-2017 and ANSI/IES RP-16-2017, Addendum 1-2018)

Replacing definitions for 24 terms, adding ~ 100 new definitions relating to daylight, re-numbering sections.

Single copy price: \$25.00

Order from and send comments to: Patricia McGillicuddy, pmcgillicuddy@ies.org

### BSR/ISA 62453-309 (103.00.08)-201x, Field device tool (FDT) interface specification - Part 309:

Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC 62453-309 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)

This part of the ISA 62453 series provides information for integrating the HART® technology into the FDT standard (ISA 62453-2). This part of the ISA 62453 series specifies communication and other services. This standard neither contains the FDT specification nor modifies it.

Single copy price: \$270.00

Order from and send comments to: Rob Breiner, (919) 990-9257, rbreiner@isa.org

# BSR/MHI ECMA 15-201x, Cable-less Controls for Electric Overhead Traveling Cranes (revision of ANSI/MHI ECMA 15-2010)

This standard provides minimum requirements and guidelines for cable-less controls for electric overhead traveling cranes. A cableless control device uses radio frequency signals that can be used to control the movements and actions of cranes in material handling applications.

Single copy price: \$50.00

Order from and send comments to: Patrick Davison, pdavison@mhi.org

#### Due 20 November 2018

# BSR/UL 2237-201X, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)

This proposal covers the publication of a new first edition of the Standard for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery, UL 2237.

Single copy price: Free

Obtain an electronic copy from: <a href="https://csds.ul.com/Home/ProposalsDefault.aspx">https://csds.ul.com/Home/ProposalsDefault.aspx</a>

Send comments to: Derrick Martin, Derrick.L.Martin@ul.com

### BSR/UL 3100-201x, Standard for Safety for Automated Guided Vehicles (AGVs) (new standard)

UL 3100 covers battery-operated operated AGVs that are intended to be used indoors in a commercial or industrial environment. The AGVs covered by this standard include Industrial Truck AGVs (inherently load bearing), load-bearing-service AGVs, and non-loadbearing service AGVs, as defined within this standard. The AGV is battery powered using either lead acid batteries or lithium-ionbased batteries that are charged through a conductive system while either on board or off board the vehicle.

Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx

Send comments to: Megan Monsen, <a href="megan.monsen@ul.com">megan.monsen@ul.com</a>

### **CSA Public Review Announcements**

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

### Due 9 November 2018

### C22.2 NO. 0.8 Safety functions incorporating electronic technology (new edition)

This standard applies to products and component devices where the electronics technology handles the operational logic including the safety features. This Standard applies to the following configurations:

- a) safety control function(s) implemented in hardware only; and
- b) safety control function(s) implemented in some combinations of hardware and software.

The scope of this standard includes the sensors and actuators that are associated with the safety control.

#### Due 12 November 2018

# C22.1, Amendment - Canadian Electrical Code, Part I, Subject No. 4371, Receptacle connections in industrial structures having more than one supply (amendment)

(A) Add new Rule 2-317

<u>2-317 Commercial or industrial structures with provisions for connection to more than one power supply (see Appendix B)</u>

Where a commercial or industrial structure contains transfer equipment for connection of an alternate power supply, at least one receptacle of CSA configuration 5-15R or 5-20R shall be supplied from a circuit capable of being supplied from the alternate power supply through the transfer equipment.

### (B) Add new Appendix B Note for Rule 2-317

Rule 2-317

Relocatable commercial or industrial structures may include provision for an alternate power supply through an inlet or other connection means. The intent of this Rule is to ensure that at least one receptacle is available for

portable chargers, tools, lighting, and similar uses when the structure is supplied from the alternate power supply.

### **DIN Public Review Announcement**

The Deutsches Institut für Normung has announced a draft document possibly of interest to *Standards Watch* readers that is available for comment until 21 November 2018. After you register with DIN at <a href="http://www.entwuerfe.din.de/">http://www.entwuerfe.din.de/</a>, you may purchase and comment on DIN draft standards.

**DIN 15782**, **Medien- und Tontechnik - Strukturierte Medienkabelanlagen** (Media and sound technology - Structured media cabling systems)

This document applies to structured cabling in event, production, and media technology. This document must be used in conjunction with DIN EN 50173-1. In addition to what is specified in DIN EN 50173-1, the document specifies transmission links and interfaces for peripherals used in mobile production and event technology, and in fixed production and event facilities.

### **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, (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/ACI 318-201x, Building Code Requirements for Structural Concrete and Commentary (new standard) Project Need: ACI 318 has been the standard for structural concrete since 1906. It is maintained through the consensus process. The "Building Code Requirements for Structural Concrete" ("Code") provides minimum requirements for the materials, design, and detailing of structural concrete buildings and, where applicable, non-building structures. This Code addresses structural systems, members, and connections, including cast-in-place, precast, plain, nonprestressed, prestressed, and composite construction. Among the subjects covered are: design and construction for strength, serviceability, and durability; load combinations, load factors, and strength reduction factors; structural analysis methods; deflection limits; mechanical and adhesive anchoring to concrete; development and splicing of reinforcement; construction document information; field inspection and testing; and methods to evaluate the strength of existing structures.

Contact: Shannon Banchero, shannon.banchero@concrete.org

### BSR/PCI 142-201X, Code Requirements for Prestressed Concrete Piles (new standard)

Project Need: The PCI publication will be revised as a new American National Standard. The information in this standard is intended to provide minimum requirements for the design and construction of prestressed concrete piles used to support most types of structural systems. Although the vast majority of applications are expected to be building, bridge, or pier/wharf related, the standard can be applied to other structures such as tanks and floating structures (e.g., floating dock systems) supported by piles.

Contact: Edith Smith, esmith@pci.org

**BSR/IPMESE 9.18-201x, Intellectual Property Management for Early Stage Enterprises** (new standard) This standard prescribes the business processes and conduct to be adopted and implemented by early-stage enterprises for securing intellectual property rights and reducing the risk of infringement of the intellectual property rights of others.

Contact: Kelli Baxter, kbaxter@les.org

### **Final Actions on American National Standards**

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

**ANSI MH10.8.12-2011 (R2018),** Standard for Material Handling - Component Marking (reaffirmation of ANSI MH10.8.12-2011): 6 September 2018

**ANSI MH10.8.15-2018 (R2018),** Material Handling - Specification for XML Reader Output from ISO/IEC 15434-formatted AIDC Data (reaffirmation of ANSI MH10.8.15-2011): 6 September 2018

**ANSI/IEEE 3001.11-2017**, Recommended Practice for Application of Controllers and Automation to Industrial and Commercial Power Systems (new standard): 13 September 2018

**ANSI/IES LM-88-2018**, Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (new standard): 6 September 2018

**ANSI/NFPA 13-2019**, Standard for the Installation of Sprinkler Systems (revision of ANSI/NFPA 13-2015): 3 September 2018

ANSI/NFPA 72-2019, National Fire Alarm and Signaling Code (revision of ANSI/NFPA 72-2016): 3 September 2018

**ANSI/NFPA 101A-2019**, Guide on Alternative Approaches to Life Safety (revision of ANSI/NFPA 101A-2016): 3 September 2018

**ANSI/NFPA 110-2019,** Standard for Emergency and Standby Power Systems (revision of ANSI/NFPA 110-2016): 3 September 2018

**ANSI/NFPA 241-2019,** Standard for Safeguarding Construction, Alteration, and Demolition Operations (revision of ANSI/NFPA 241 -2013): 3 September 2018

**ANSI/NFPA 720-2012,** Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment (withdrawal of ANSI/NFPA 720-2012): 4 September 2018

**ANSI/UL 1369-2018,** Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard): 30 August 2018

ANSI/UL 1369-2018a, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard): 30 August 2018

ANSI/UL 5500-2018, Standard for Safety for Remote Software Updates (new standard): 6 September 2018

### **Draft IEC & ISO Documents**

This section lists proposed documents that the International Electromechanical Commission (IEC) or the 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 and ISO documents should be sent to Charles T. Zegers at <a href="mailto:czegers@ansi.org">czegers@ansi.org</a> and Karen Hughes at <a href="mailto:isot@ansi.org">isot@ansi.org</a> respectively. Any prices, if shown, are for purchases through ANSI. The sort order is by due date then alphanumeric.

**ISO/DIS 17987-8,** Road vehicles - Local interconnect network (LIN) - Part 8: Electrical physical layer (EPL) specification: LIN over DC powerline (DC-LIN), 1 October 2018, \$134.00

**ISO/DIS 15704,** Enterprise modelling and architecture - Requirements for enterprise-reference architectures and methodologies, 4 October 2018, \$146.00

**ISO/DIS 16300-2**, Automation systems and integration - Interoperability of capability units for manufacturing application solutions - Part 2: Capability templates and software unit cataloguing, 4 October 2018, \$62.00

**ISO/DIS 20140-1**, Automation systems and integration - Evaluating energy efficiency and other factors of manufacturing systems that influence the environment - Part 1: Overview and general principles, 4 October 2018, \$58.00

34A/2113/NP, PNW 34A-2113: LED Light sources - Safety requirements, 5 October 2018

34A/2114/NP, PNW 34A-2114: LED Light sources - Performance requirements, 5 October 2018

**ISO 7010/DAmd240**, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 240: Safety sign P068: Do not expose to direct sunlight or hot surface, 7 October 2018, \$29.00

**ISO 7010/DAmd241**, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 241: Safety sign P069: Not to be serviced by users, 7 October 2018, \$29.00

**ISO 7010/DAmd242**, Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 242: Safety sign P070: Do not put finger into the nozzle of a hydromassage, 7 October 2018, \$29.00

**34A/2106/CDV, IEC 60810/AMD1 ED5:** Lamps, light sources and LED packages for road vehicles - Performance requirements, 3 November 2018

**106/464/CDV, IEC/IEEE 62209-1528 ED1:** Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices (Frequency range of 4 MHz to 10 GHz), 3 November 2018

JTC1-SC41/62/FDIS, ISO/IEC 20924 ED1: Internet of Things (IoT) - Vocabulary, 9 November 2018

**ISO/IEC DIS 25030**, Systems and software engineering - Systems and software quality requirements and evaluation (SQuaRE) - Quality requirements framework, 23 November 2018, \$112.00

**ISO/IEC/IEEE DIS 21841,** Systems and software engineering - Taxonomy of systems of systems, 23 November 2018, \$58.00

**ISO/IEC DIS 30111,** Information technology - Security techniques - Vulnerability handling processes, 24 November 2018, \$62.00

**ISO/DIS 15926-10,** Industrial automation systems and integration - Integration of life cycle data for process plants including oil and gas production facilities - Part 10: Conformance testing, 2 December 2018, \$107.00

**23/801/CD, IEC 63044-6-1 ED1:** General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 6: Requirements for planning and installation, 7 December 2018

**34A/2116/NP, PNW 34A-2116:** Organic Light Emitting Diode (OLED) for general lighting - Safety - Part 2-3: Particular requirements for flexible OLED tiles and panels, 7 December 2018

### Recently Published IEC & ISO Documents

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

**IEC 61191-1 Ed. 3.0 b:2018**, Printed board assemblies - Part 1: Generic specification - Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies, \$281.00

S+ IEC 61191-1 Ed. 3.0 en:2018 (Redline version), Printed board assemblies - Part 1: Generic specification -

Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies, \$366.00

IEC/TR 63079 Amd.1 Ed. 1.0 en:2018, Amendment 1 - Code of practice for hearing-loop systems (HLS), \$12.00

IEC/TR 63079 Ed. 1.1 en:2018, Code of practice for hearing-loop systems (HLS), \$528.00

**ISO 10325:2018,** Fibre ropes - High modulus polyethylene - 8-strand braided ropes, 12-strand braided ropes and covered ropes, \$45.00

ISO 19093:2018, Photography - Digital cameras - Measuring low-light performance, \$138.00

ISO 19624:2018, Bamboo structures - Grading of bamboo culms - Basic principles and procedures, \$138.00

**ISO 21717:2018**, Intelligent transport systems - Partially Automated In Lane Driving Systems (PADS) - Performance requirements and test procedures, \$68.00

### **TSP Meeting Schedule**

The following set of meetings will be held 4-8 October 2018 at the Marriott Solana in Westlake, TX. The most up to date version of the meeting schedule and a "Reserve a hotel room" link are available at <a href="http://tsp.esta.org/tsp/meetings/index.php">http://tsp.esta.org/tsp/meetings/index.php</a>. The schedule for the January 2019 meetings at NAMM in Anaheim is there, too.

Control Protocols NAEP TG	20:00 – 22:00	Saturday, 6 October 2018
Control Protocols NextGen CP	14:00 – 18:00	Saturday, 6 October 2018
Control Protocols/Rigging E1.59 TG	14:00 – 18:00	Friday, 5 October 2018
Control Protocols Working Group	09:00 – 13:00	Saturday, 6 October 2018
Electrical Power Inspection TG	09:00 – 13:00	Friday, 5 October 2018
Electrical Power Working Group	14:00 – 18:00	Friday, 5 October 2018
Event Safety Fire Safety TG	09:00 – 13:00	Friday, 5 October 2018
Event Safety Working Group	14:00 – 18:00	Saturday, 6 October 2018
Floors Working Group	09:00 – 13:00	Friday, 5 October 2018
Followspot Position Working Group	15:45 – 17:45	Sunday, 7 October 2018
Photometrics Working Group	14:00 – 15:30	Sunday, 7 October 2018
Rigging E1.6-1 TG	09:00 – 13:00	Saturday, 6 October 2018
Rigging E1.6-2 TG	14:00 – 18:00	Saturday, 6 October 2018
Rigging Working Group	19:00 – 23:00	Saturday, 6 October 2018
Stage Machinery E1.64 TG	14:00 – 18:00	Thursday, 4 October 2018
Stage Machinery Working Group	19:00 – 23:00	Friday, 5 October 2018
Technical Standards Council	09:00 – 13:00	Sunday, 7 October 2018

## **ESTA Standards Watch**

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### **Editors:**

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