



# Technical Standards Program

## ESTA Standards Watch

July 2016 Volume 20, Number 13

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### Table of Contents

<a href="#">One ESTA Standard In Public Review.....</a>	<a href="#">1</a>
<a href="#">ANSI E1.28, Guidance on Planning Followspot Positions in Places of Public Assembly, Is Reaffirmed.....</a>	<a href="#">2</a>
<a href="#">Ofcom Publishes “Update on Our Strategy for Mobile Spectrum”.....</a>	<a href="#">2</a>
<a href="#">WTO Technical Barrier to Trade Notifications.....</a>	<a href="#">2</a>
Thailand Notification THA/479.....	2
United States of America Notification USA/1160.....	3
Viet Nam Notification VNM/85.....	3
<a href="#">ANSI Public Review Announcements.....</a>	<a href="#">4</a>
Due 15 August 2016.....	4
Due 22 August 2016.....	4
Due 6 September 2016.....	5
<a href="#">BSI Public Review Announcements.....</a>	<a href="#">5</a>
Due 11 September 2016.....	5
Due 8 August 2016.....	5
Due 16 August 2016.....	6
<a href="#">CSA Public Review Announcements.....</a>	<a href="#">6</a>
Due 7 August 2016.....	6
Due 15 August 2016.....	6
Due 16 August 2016.....	6
Due 21 August 2016.....	7
Due 22 August 2016.....	7
Due 29 August 2016.....	7
Due 5 September 2016.....	7
<a href="#">New ANS Projects.....</a>	<a href="#">7</a>
<a href="#">Final Actions on American National Standards.....</a>	<a href="#">8</a>
<a href="#">Draft IEC &amp; ISO Standards.....</a>	<a href="#">9</a>
<a href="#">Recently Published IEC &amp; ISO Standards.....</a>	<a href="#">10</a>
<a href="#">TSP Meeting Schedule.....</a>	<a href="#">11</a>
<a href="#">Investors in Innovation.....</a>	<a href="#">12</a>

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### One ESTA Standard In Public Review

One draft standard is in public review on the ESTA website, with a review end-date of 2 August 2016. Comment before then. Check it out at [http://tsp.esta.org/tsp/documents/public\\_review\\_docs.php](http://tsp.esta.org/tsp/documents/public_review_docs.php). Anyone who would be materially affected by the publication of this document as an American National Standard is invited to submit comments. “Materially affected” generally means it would affect your health or bank account.

## **BSR E1.51 - 201x, The Selection, Installation, and Use of Single-Conductor Portable Power Feeder Cable Systems for Use at 600 Volts Nominal or Less for the Distribution of Electrical Energy in the Television, Film, Live Performance, and Event Industries in Canada**

E1.51 is intended to offer guidance, in the context of applicable standards and regulations in Canada, on how to select, install, use, and maintain single-conductor portable feeder cables used to supply power for television, film, live performance, and special events in Canada.

This is the fifth public review for this Electrical Power Working Group draft standard. During the third public review, a comment was offered and approved which deleted some text. That text was not removed before the fourth public review, so a fifth review is required with the text removed. In addition to that change, the publication year has been included for the edition of the Canadian Electrical Code referenced in the document.

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## **ANSI E1.28, Guidance on Planning Followspot Positions in Places of Public Assembly, Is Reaffirmed**

ANSI's Board of Standards Review approved the reaffirmation of ANSI E1.28-2011 on July 1. It is now published and available for free download at <http://tsp.esta.org/freestandards>.

ANSI E1.28 – 2011 (R2016), Guidance on planning followspot positions in places of public assembly, offers recommendations for followspot position design elements that are often inadequately considered, including the electrical power likely to be needed, the waste heat generated that must be removed by ventilation or air conditioning, 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 free download from the ESTA website is sponsored by Prosgit Specialty Insurance. The standard also may be purchased for \$40 from ANSI's eStandards Store and IHS Global Engineering Documents.

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## **Ofcom Publishes “Update on Our Strategy for Mobile Spectrum”**

The UK's Ofcom published an update on its strategy for mobile spectrum on June 30. It's published in the consultation section of their website, but it's not really a consultation; they are telling you what the strategy is, not asking for comments. However, if you must comment, you can do so by emailing [mds@ofcom.org.uk](mailto:mds@ofcom.org.uk).

The Update is being reported in Standards Watch because it does provide wireless device users an idea of what parts of the spectrum may become available or become more crowded in the UK in the near future. You can access *Mobile Data Strategy: Update on our strategy for mobile spectrum* at <http://estalink.us/60ifz>.

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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.

### **Thailand Notification THA/479**

**Date issued:** 7 July 2016

**Agency responsible:** Department of Foreign Trade, Ministry of Commerce

**National inquiry point:** Thai Industrial Standards Institute (TISI)

**Products covered:** 3D printing machine, rapid prototyping machine, additive manufacturing machine

**Title:** Notification of Ministry of Commerce Regarding the Imposition of 3D Printing Machine Compliance import measure into the Kingdom of Thailand B.E. 2559 (2016)

**Description of content:** 1. The importer must be registered with the Department of Foreign Trade  
2. Inform the Department of Foreign Trade 15 days before the arrival of products

3. If any, the report of possession, selling and transfer of products shall be sent to the Department of Foreign Trade in June and December

**Objective and rationale:** In order to prohibit illegal use of product

**Relevant documents:** Exportation and Importation of Goods Act B.E. 2522 (1979)

**Proposed date of adoption:** Not given by country

**Proposed date of entry into force:** 28 July 2016

**Final date for comments:** Not given by country

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/THA/full\\_text/pdf/THA479\(thai\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/THA/full_text/pdf/THA479(thai).pdf)

#### **United States of America Notification USA/1160**

**Date issued:** 30 June 2016

**Agency responsible:** Office of Energy Efficiency and Renewable Energy (OEERE)

**National inquiry point:** USA WTO TBT Enquiry Point

**Products covered:** Electric motors

**Title:** Energy Conservation Program: Certification, Compliance, Labeling, and Enforcement for Electric Motors and Small Electric Motors

**Description of content:** The U.S. Department of Energy ("DOE" or the "Department") is proposing to revise its certification, compliance, and enforcement regulations for electric motors and small electric motors to conform to the enforcement regulations for all other covered products and equipment and to consolidate, to the extent possible, the certification and compliance regulations for electric motors and small electric motors with those for other types of covered products and equipment. In addition to bringing the certification, compliance, and enforcement regulations for electric motors and small electric motors under the umbrella and general regulatory scheme of DOE's existing certification, compliance, and enforcement regulations for other equipment and products, this proposal provides specific sampling plans, certification of efficiency requirements, independent testing laboratory and certification program requirements, and labeling requirements for electric motors and small electric motors.

**Objective and rationale:** Protection of the environment

**Relevant documents:** 81 Federal Register (FR) 41377, 24 June 2016; Title 10 Code of Federal Regulations (CFR) Parts 429 and 431. 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:** 7/25/2016

**Full text:** <https://www.gpo.gov/fdsys/pkg/FR-2016-06-24/html/2016-14479.htm>

#### **Viet Nam Notification VNM/85**

**Date issued:** 11 July 2016

**Agency responsible:** Ministry of Information and Communications, Department of Science & Technology (MIC)

**National inquiry point:** WTO TBT Enquiry Point Vietnam

**Products covered:** Goods imported in the fields of printing and distribution of publication

**Title:** Draft Circular providing amendments and supplements to certain articles in the Circular No. 16/2015/TT-BTTTT dated 17 June 2015 detailing implementation of Decree No. 187/2013/ND-CP of the Government dated 20 November 2013 on import and export of goods in the fields of printing and distribution of publications

**Description of content:** This draft Circular provides amendments and supplements to Circular No. 16/2015/TT-BTTTT dated 17 June 2015, which aims to prevent commercial fraud and to protect the rights of consumers, as follows:

1. Providing amendments and supplements to Article 5 in Circular No. 16/2015/TT-BTTTT. "Article 5. Goods imported in the field of printing"
2. Promulgating Annex I and Annex II to supersede the Annex I and Annex II in Circular No. 16/2015/TT-BTTTT

**Objective and rationale:** For meeting requirements of international integration, this draft Circular, as amended and supplemented, specifies the list of goods imported in the fields of printing and distribution of publications with clear HS codes, description of goods, conditions and procedures for import.

**Relevant documents:** Circular No. 16/2015/TT-BTTTT dated 17 June 2015 detailing implementation of Decree No. 187/2013/ND-CP of the Government dated 20 November 2013 on import and export of goods in the fields of printing and distribution of publications.

**Proposed date of adoption:** 1 September 2016

**Proposed date of entry into force:** Not given by country

**Final date for comments:** 12 September 2016

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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](mailto:psa@ansi.org).

### Due 15 August 2016

#### **BSR/AWS A1.1-201X, Metric Practice Guide for the Welding Industry** (new standard)

This metric practice guide is based on the International System of Units (SI) as defined in the U.S. Federal Register notice of July 28, 1998, "Metric System of Measurement: Interpretation of the International System of Units for the United States". This guide contains specifications of the SI base units, derived units, prefixes, and rules for their use in AWS documents and by the welding industry. It also contains factors and rules for converting from U.S. customary units to SI units and recommendations for managing the transition. [The Metric Conversion Act, signed into law on 23 December 1975, declared SI as "the preferred system of weights and measures for United States trade and commerce." La transición continua!]

Single copy price: \$34.00

Obtain an electronic copy from: Stephen Hedrick, [steveh@aws.org](mailto:steveh@aws.org)

Send comments to: [aalonso@aws.org](mailto:aalonso@aws.org)

#### **BSR/AWS D16.3M/D16.3-201X, Risk Assessment Guide for Robotic Arc Welding** (revision of ANSI/AWS D16.3M/D16.3-2008)

The purpose of D16.3M/D16.3:201X, Risk Assessment Guide for Robotic Arc Welding, is to identify and mitigate potential personnel safety hazards associated with robotic arc welding. It is not intended to be a guideline for other industrial robotic applications. This guide is intended for persons performing risk assessment and applies to arc welding robots and robot arc welding systems performing the gas metal arc welding (GMAW) or flux cored arc welding (FCAW) process. Applicable ANSI B11 standards include B11.0, B11.19 and B11.20, et al.

Single copy price: \$60.00

Obtain an electronic copy from: Peter Portela, [pportela@aws.org](mailto:pportela@aws.org)

Send comments to: [adavis@aws.org](mailto:adavis@aws.org)

#### **BSR/UL 9540-201x, Standard for Safety for Energy Storage Systems and Equipment** (new standard)

(1) The proposed first edition of the Standard for Energy Storage Systems and Equipment, UL 9540, including applicable requirements for Canada. These requirements cover energy storage systems that are intended to receive electric energy and then to store the energy in some form so that the energy storage system can provide electrical energy to loads or power conversion equipment when needed. The types of energy storage covered under this standard include electrochemical, chemical, mechanical, and thermal.

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: comm2000, <http://www.comm-2000.com>

Send comments to: Megan VanHeirsele, [Megan.M.VanHeirsele@ul.com](mailto:Megan.M.VanHeirsele@ul.com)

### Due 22 August 2016

#### **BSR/AWS B1.10M/B1.10-201X, Guide for the Nondestructive Examination of Welds** (revision, redesignation and consolidation of ANSI/AWS B1.10 -2009 and ANSI/AWS B1.10M-2004 (R2014))

This guide acquaints the user with the nondestructive examination methods commonly used to examine weldments. The standard also addresses which method best detects various types of discontinuities. The methods included are visual, liquid penetrant, magnetic particle, radiographic, ultrasonic, electromagnetic (eddy current), and leak testing.

Single copy price: \$56.00

Order from and send comments to: John Douglass, (800) 443-9353, [jdouglass@aws.org](mailto:jdouglass@aws.org)

**BSR/CTA 2052.1-201x, Glossary of Terms for Sleep Wearable Devices** (new standard)

This standard specifies terms and definitions for sleep wearable devices.

Single copy price: \$61.00

Order from and send comments to: [standards@cta.tech](mailto:standards@cta.tech)

**BSR/NECA 416-201x, Recommended Practice for Installing Stored Energy Systems** (new standard)

This standard describes installation practices for stored energy systems such as battery systems, flywheels, capacitors, and smart chargers used for vehicle-to-grid (V2G) applications.

Single copy price: \$40.00

Order from and send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

**BSR/NECA 305-201x, Standard for Fire Alarm System Job Practices** (revision of ANSI/NECA 305-2010)

This standard describes practices for installing, testing, and maintaining firealarm systems. These job practices represent a minimum level of quality for fire-alarm-system installations.

Single copy price: \$40.00

Order from and send comments to: Sofia Arias, [sofia.arias@necanet.org](mailto:sofia.arias@necanet.org)

**Due 6 September 2016**

**BSR/UL 111-201x, Standard for Safety for Multioutlet Assemblies** (new standard)

The requirements of UL 111 cover multioutlet assemblies and factory-assembled wiring kits for installation in multioutlet assemblies. Multioutlet assemblies consist of a raceway and multiple outlet wiring devices that provide power for connection of utilization equipment. Multioutlet assemblies are intended for use in dry locations, other than hazardous (classified) in accordance with the National Electrical Code, NFPA 70. Multioutlet assemblies are intended to be connected to permanently installed branch circuits operating at frequencies between 50 and 400 Hz and DC (Direct Current) circuits.

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](mailto:Derrick.L.Martin@ul.com)

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**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 11 September 2016**

**BS 8555:2016 Environmental management systems – Phased implementation – Guide**

This British Standard provides guidance for all organizations, but particularly small and medium-sized enterprises (SMEs), on the phased development, implementation, maintenance and improvement of an EMS. It also includes advice on:

- a) the integration and use of environmental performance evaluation (EPE) techniques during the implementation process; and
- b) the coordination of such an EMS with other management systems, where appropriate.

The guidelines in this British Standard are applicable to any organization, regardless of the nature of the business activity undertaken, location, or level of maturity.

**Due 8 August 2016**

**NA to BS EN 388:2016 Protective gloves against mechanical risks**

This informative annex provides the reader with information on cut resistance in relation to gloves protecting against mechanical risks. When specifying and selecting protective gloves, cut resistance should be given high priority, when relevant to the end use.

## Due 16 August 2016

### **EN 144-1 Respiratory protective devices - Gas cylinder valves - Part 1: Inlet connections**

This European Standard specifies the dimensions and tolerances as well as the impact resistance and marking requirements of inlet connections for connecting cylinder valves to gas cylinders for respiratory protective devices (RPD).

### **EN 144-2 Respiratory protective devices - Gas cylinder valves - Part 2: Outlet connections**

This European Standard specifies the dimensions, tolerances and marking requirements of outlet connections for connecting regulators and cylinder valves for respiratory protective devices except those for diving applications.

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## CSA Public Review Announcements

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

### Due 7 August 2016

#### **C22.2 No. 230 Tray cables (New Edition)**

This Standard applies to single conductor and multi-conductor constructions, without metal sheath or armour, suitable for use in cable trays and other applications when installed in accordance with the Canadian Electrical Code, Part I.

### Due 15 August 2016

#### **C22.2 No. 61010-031 Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use – Part 031: Safety Requirements for Hand-Held Probe Assemblies for Electrical Measurement and Test (New Edition)**

This part of IEC 61010 specifies safety requirements for hand-held and hand-manipulated probe assemblies of the types described below, and their related accessories. These probe assemblies are for direct electrical connection between a part and electrical test and measurement equipment. They may be fixed to the equipment or be detachable accessories for the equipment.

- a) Type A: low-voltage and high-voltage, non-attenuating probe assemblies. Non-attenuating probe assemblies that are RATED for direct connection to voltages exceeding 30 V r.m.s., 42,4 V peak, or 60 V d.c., but not exceeding 63 kV. They do not incorporate components which are intended to provide a voltage divider function or a signal conditioning function, but they may contain non-attenuating components such as fuses (see Figure 1.)
- b) Type B: high-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies that are RATED for direct connection to secondary voltages exceeding 1 kV r.m.s. or 1,5 kV d.c. but not exceeding 63 kV r.m.s. or d.c. The divider function may be carried out wholly within the probe assembly, or partly within the test or measurement equipment to be used with the probe assembly (see Figure 2).
- c) Type C: low-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies for direct connection to voltages not exceeding 1 kV r.m.s. or 1,5 kV d.c. The signal conditioning function may be carried out wholly within the probe assembly, or partly within the test or measurement equipment intended to be used with the probe assembly (see Figure 3).
- d) Type D: low-voltage attenuating, non-attenuating or other signal conditioning probe assemblies, that are RATED for direct connection only to voltages not exceeding 30 V r.m.s., or 42,4 V peak, or 60 V d.c., and are suitable for currents exceeding 8 A (see Figure 4).

### Due 16 August 2016

#### **C22.2 No. 239 Control and instrumentation cables (New Edition)**

This Standard applies to multiple-conductor control and instrumentation cables (including thermocouple cables and thermocouple extension cables) having a voltage rating not exceeding 1000 V and intended for installation in accordance with the Canadian Electrical Code, Part I.

## **Due 21 August 2016**

### **C22.2 No. 331 Flat Cable Systems (New Standard)**

This Standard applies to flat cable systems for indoor use, in non-hazardous locations, and intended for installation on branch circuits of not more than 600 V between conductors, in accordance with the Rules of the Canadian Electrical Code, Part I, in particular Rule 12-1614. The flat cable system includes flat cable, flat cable fittings, metal surface raceways and raceway fittings.

### **C22.2 No. 232-09 Optical fiber cables (Amendment)**

This Standard applies to non-conductive optical fiber cable and conductive optical fiber cable intended to be installed indoors in non-hazardous locations in accordance with the Canadian Electrical Code, Part I.

## **Due 22 August 2016**

### **C22.2 No. 48-15 Nonmetallic sheathed cable (Amendment)**

This is a proposed amendment to C22.2 No. 48-Nonmetallic sheathed cable.

### **C22.2 No. 270 Arc Fault Protective Devices (New Edition)**

This Standard applies to arc fault protective devices designed to be installed in accordance with the Rules of the Canadian Electrical Code, Part I.

## **Due 29 August 2016**

### **C22.2 No. 62841-3-4 Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 3-4: Particular Requirements For Transportable Bench Grinders (New Standard)**

This clause of Part 1 is applicable except as follows:

Addition:

This part of IEC 62841 applies to transportable bench grinders that can be equipped with one or two accessories as follows:

- type 1 grinding wheels in accordance with ISO 603-4:1999 with a diameter not exceeding 310 mm and a thickness not exceeding 55 mm;
  - wire brushes with a diameter not exceeding 310 mm and a thickness not exceeding 55 mm;
  - polishing wheels with a diameter not exceeding 310 mm;
- and with a peripheral speed of any accessory between 10 m/s and 50 m/s.

NOTE Polishing wheels are also known as buffing wheels.

### **C61000-4-30 Electromagnetic compatibility (EMC) — Part 4-30: Testing and measurement techniques — Power quality measurement methods (New Edition)**

This part of IEC 61000-4 defines the methods for measurement and interpretation of results for power quality parameters in a.c. power supply systems with a declared fundamental frequency of 50 Hz or 60 Hz.

## **Due 5 September 2016**

### **C22.2 No. 60950-22 Information Technology Equipment - Safety - Part 22: Equipment to be Installed Outdoors (New Edition)**

This part of IEC 60950 applies to information technology equipment intended to be installed in an OUTDOOR LOCATION.

The requirements for OUTDOOR EQUIPMENT also apply, where relevant, to OUTDOOR ENCLOSURES suitable for direct installation in the field and supplied for housing information technology equipment to be installed in an OUTDOOR LOCATION.

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## **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/ANS 2.6-201x, Guidelines for Estimating Present and Projecting Future Population Distributions Surrounding Nuclear Facility Sites** (new standard)

This standard provides civilian and government professionals with generally accepted demographic methodologies for the estimation and projection of human population distributions and densities near nuclear facility sites in order to facilitate the regulatory authority's review of site suitability relative to population considerations.

Contact: Kathryn Murdoch, [kmurdoch@ans.org](mailto:kmurdoch@ans.org)

**BSR/SI 004-201x, Ergonomics for cleaning workers** (new standard)

Cleaning workers are subjected to injuries at a greater rate than most occupations. This standard will lay a framework and benchmarks for tasks, procedures, equipment, and supplies in order to minimize injuries and to provide ergonomic standards to these areas. There needs to be clear ergonomic standards established since there are no established ergonomic and safety standards for this industry. There are over 2 million employees in the cleaning profession, and, according to the U.S. Government, this is the 5<sup>th</sup> highest occupational group for injuries on the job. This standard will establish ergonomic attributes for tasks, equipment, and procedures to minimize injuries to employees, thus saving the employee and employer alike the personal and work-related costs of injuries.

Contact: Alan Bigger, [alan@simoninstitute.org](mailto:alan@simoninstitute.org)

**BSR Z535.3-201x, Organizations developing and using safety symbols for safety communication** (revision of ANSI Z535.3-2011)

This standard provides general criteria for the design, evaluation, and use of safety symbols to identify and warn against specific hazards, and to provide information to avoid personal injury.

Contact: Vincent Baclawski, [vin\\_baclawski@nema.org](mailto:vin_baclawski@nema.org)

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## 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/ABYC A-27-2016**, Alternating Current (AC) Generator Sets (new standard): 20 June 2016 [These are generator sets for boats and yachts.]

**ANSI/ABYC H-25-2016**, Portable Marine Gasoline Fuel Systems (revision of ANSI/ABYC H-25-2010): 22 June 2016

**ANSI/AISC 303-2016**, Code of Standard Practice for Steel Buildings and Bridges (new standard): 15 June 2016

**ANSI/ASME B1.16M-1984 (R2016)**, Gages and Gaging for Metric M Screw Threads (reaffirmation of ANSI/ASME B1.16M-1984 (R2011)): 17 June 2016

**ANSI/ASME B1.22M-1985 (R2016)**, Gages and Gaging for MJ Series Metric Screw Threads (reaffirmation of ANSI/ASME B1.22M-1985 (R2011)): 17 June 2016

**ANSI/ASME NUM-1-2016**, Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type) (revision of ANSI/ASME NUM-1-2009): 16 June 2016

**ANSI/AWS B4.0-2016**, Standard Methods for Mechanical Testing of Welds (revision of ANSI/AWS B4.0M-2007 (R2010)): 17 June 2016

## Draft IEC & ISO Standards

This section lists proposed standards that the International Electromechanical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. Standards Watch readers interested in reviewing and commenting on the document should order a copy from their national representative and submit their comments through them. Comments from US citizens on IEC documents should be sent to Charles T. Zegers at [czegers@ansi.org](mailto:czegers@ansi.org). Comments from US citizens regarding ISO documents should be sent to Karen Hughes at [isot@ansi.org](mailto:isot@ansi.org). The prices, when shown, are for purchases through ANSI; prices elsewhere may differ. The sort order is first by due date then by alphanumeric designation.

**ISO/DIS 16484-2**, Building automation and control systems (BACS)-Part 2: Hardware; 16 July 2016; \$134.00

**ISO/IEC DIS 26558**, Software and systems engineering - Methods and tools for variability modeling in software and systems product line; 16 July 2016; \$107.00

**ISO/IEC DIS 26559**, Software and systems engineering - Methods and tools for variability traceability in software and systems product line ; 16 July 2016; \$102.00

**ISO/DIS 29463-1**, High efficiency filters and filter media for removing particles from air - Part 1: Classification, performance, testing and marking; 20 July 2016; \$67.00

**CIS/A/1176/FDIS, CISPR 16-2-3 Ed.4**: Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity -Radiated disturbance measurements; 5 August 2016; no price listed

**CIS/A/1176A/FDIS, CISPR 16-2-3 Ed.4**: Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements; 5 August 2016; no price listed

**100/2725/CD, IEC 62702-1-2 Ed.1.0**: Audio Archive System - Part 1-2: BD disk and data migration for long term audio data storage; 19 August 2016; no price listed

**91/1378/DTR, IEC/TR 61189-3-914 Ed.1**: Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 3-914: Test method for thermal conductivity of printed circuit boards for high-brightness LEDs – Guidelines; 26 August 2016; no price listed

**ISO/DIS 19087**, Workplace air - Analysis of respirable crystalline silica by Fourier-Transform Infrared spectroscopy; 14 September 2016; \$88.00

**108/657/CD, IEC 62368-1/Ed3**: Audio/video, information and communication technology equipment - Part 1: Safety requirements; 16 September 2016; no price listed

**108/657A/CD, Revised IEC 62368-1/Ed3**: Audio/video, information and communication technology equipment - Part 1: Safety requirements; 16 September 2016; no price listed

**2/1833/DTS, IEC 60034-30-2 TS Ed.1**: Rotating electrical machines -Part 30-2: Efficiency classes of variable speed AC motors (IE-code); 16 September 2016; no price listed

**86C/1389/CD, IEC 61280-4-1/Ed3**: Fibre-optic communication subsystem test procedures - Part 4-1: Installed cable plant -Multimode attenuation measurement; 16 September 2016; no price listed

**96/451/CDV, IEC 61558-1 Ed.3**: Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests; 16 September 2016; no price listed

**ISO/IEC DIS 18477-4**, Information technology - Scalable compression and coding of continuous-tone still images - Part 4: Conformance testing; 22 September 2016; \$88.00

**121A/95/CD, IEC 60947-4-1 Ed.4**: Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters; 23 September 2016; no price listed

**ISO/IEC 13818-1/DAmD8**, Extensions for simplified carriage of MPEG-4 over MPEG-2; 13 November 2021; \$40.00

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## 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>.

**CISPR 11 Amd.1 Ed. 6.0 b:2016**, Amendment 1 - Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, \$61.00

**CISPR 11 Ed. 6.1 b:2016**, Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, \$484.00

**CISPR 32 Ed. 2.0 b cor.1:2016**, Corrigendum 1 – Electromagnetic compatibility of multimedia equipment - Emission requirements, \$0.00

**IEC 62453-303-1 Amd.1 Ed. 1.0 b:2016**, Amendment 1 - Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2, \$22.00

**IEC 62453-303-1 Ed. 1.1 b:2016**, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2, \$363.00

**IEC 62453-303-2 Amd.1 Ed. 1.0 b:2016**, Amendment 1 - Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6, \$22.00

**IEC 62453-303-2 Ed. 1.1 b:2016**, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6, \$315.00

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**ISO 10254:2016**, Air cargo and ground equipment – Vocabulary, \$51.00

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**ISO 4118:2016**, Air cargo - Non-certified lower deck containers - Design and testing, \$200.00

**ISO/IEC 25022:2016**, Systems and software engineering – Systems and software quality requirements and evaluation (SQuARE) -Measurement of quality in use, \$200.00

## 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. All meetings are at the Roosevelt Hotel unless otherwise noted.

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 E1.50, 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
Technical Standards Council	14:00 – 18:00	Thursday, 14 July 2016

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