

# PLASA Standards News

December 2013

Volume 17, Number 23

## Table of Contents

Seven PLASA Standards Posted for Public Review for Reaffirmation.....	1
It's Back! North American Plugfest Returns.....	2
US DOL Updates Power Press Rules, Rescinds Foreign Labor Regulations.....	3
Imperial Units: Worth Wasting Three Minutes of Your Life.....	3
WTO Notifications.....	3
Taiwan Economy Notification TPKM/148.....	3
Korea, Republic of Notification KOR/456.....	4
Korea, Republic of Notification KOR/457.....	4
China Notification CHN/997.....	5
Ecuador Notification ECU/119.....	5
Ecuador Notification ECU/110.....	5
ANSI Public Review Announcements.....	6
Due 6 January 2014.....	6
Due 13 January 2014.....	7
Due 21 January 2014.....	8
BSI Public Review Announcements.....	8
Due 22 December 2013.....	8
Due 23 December 2013.....	8
Due 29 December 2013.....	9
Due 31 December 2013.....	9
CSA Public Review Announcements.....	9
Due 30 December 2013.....	9
Due 3 February 2014.....	9
Standards Administration of the People's Republic of China Announcements.....	10
Due 10 January 2014.....	10
Due 15 January 2014.....	10
Draft IEC and ISO standards.....	10
Due 17 January 2014.....	10
Due 24 January 2014.....	10
Due 20 February 2014.....	10
Due 21 February 2014.....	10
Due 28 February 2014.....	11
New ANS Projects.....	11
Final Actions on American National Standards.....	13
Recently Published IEC & ISO Documents.....	13
TSP Meeting Schedule.....	14

## Seven PLASA Standards Posted for Public Review for Reaffirmation

Seven PLASA standards have been posted on the PLASA TSP website at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php) for public review for reaffirmation. No changes are planned at this time for the requirements in the standards. Any changes would be limited to changing "ESTA" to "PLASA," updating the PLASA office address and copyright date, and so on. All the documents are available for review now, and will be through 3 February 2014. On February 4 they will be gone. In alpha-numeric order the standards are:

### **ANSI E1.5 - 2009, Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols**

ANSI E1.5 describes the composition of theatrical fogs or artificial mists that are not likely to be harmful to healthy performers, technicians, or audience members of normal working age. It is limited to those fogs and mists made from a solution of water and one or more dihydric or trihydric alcohols, and is intended to be applied in theatres, arenas, and other places of entertainment or public assembly.

### **ANSI E1.27-2 - 2009, Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products**

ANSI E1.27-2 is a recommended practice for permanent data cabling installations for interconnecting lighting equipment that comply with ANSI E1.11 (DMX512-A) or with USITT DMX512/1990. The recommendations include definitions of acceptable cable and connector types and the ways in which they may be used.

### **ANSI E1.29 - 2009, Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil**

ANSI E1.29 - 2009 is intended to help guide product safety testing laboratories in evaluating fog-making equipment for design or construction defects that might create unacceptable hazards. It is based on ANSI/UL 998 - 2006, Humidifiers, with modifications. Products covered are theatrical fog generators intended for use in professional theatrical entertainment, film and video production, theme parks, and fire safety training.

### **ANSI E1.30-3 - 2009, EPI 25, Time Reference in ACN Systems Using SNTP and NTP**

ANSI E1.30-3 is another recipe in the E1.30 cookbook for ACN. It offers ways of providing a time reference so that events can be synchronized.

### **ANSI E1.30-7 - 2009, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts**

ANSI E1.30-7 is a recipe that changes some of the rules for ACN so that devices with IP addresses not set by DHCP (fixed IP addresses) can be used on a network. Device Host Configuration Protocol (DHCP) is a very convenient way to assign IP addresses on a network, but there are cases when IP addresses have to be assigned a different way, perhaps manually. This EPI suggests how.

### **ANSI E1.30-10 - 2009, EPI 32, Identification of Draft Device Description Language Modules**

ANSI E1.30-10 is a recommended way of identifying a Device Description Language Module for ACN as a trial version, one under development, not for release yet. ANSI E1.30-10 is part of an open series of E1.30 documents that suggests ways of doing common tasks with ANSI E1.17, Architecture for Control Networks. It is being considered for reaffirmation.

### **ANSI E1.34 - 2009, Entertainment Technology - Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues**

ANSI E1.34 describes a simple means of measuring and specifying the slipperiness of floor surfaces used by performers in live entertainment venues. The standard is not for normal walking and working surfaces, but only for those floor surfaces used by actors, dancers, and other similar artists when performing before an audience.

---

## **It's Back! North American Plugfest Returns**

The PLASA Control Protocols Plugfest, the event where manufacturers and developers test their products for interoperability with other manufacturer's products, is scheduled to take place January 17 through 20, 2014, at the Marriott Solana in Westlake, Texas. The Plugfest was created originally to support the Remote Device Management protocol (ANSI E1.20) but it has expanded to cover all the PLASA Control Protocol Working Group's protocols, including the popular ANSI E1.31 Streaming DMX over ACN protocol, and now a draft version of RDMnet (BSR E1.33). In the past, Plugfest attendees from all over the world have brought controllers, dimmers, luminaires, analyzers, and various other tools and devices, and connected them all through a network to look for and to resolve problems; they will do the same this coming January. Complimentary coffee and snacks are served. There is no fee for participating in this North American Plugfest.

The scheduled hours are 4:00 to 11:00 p.m. on Friday, January 17, 9:00 a.m. to 11:00 p.m. on Saturday and Sunday, and 9:00 a.m. to noon on Monday, January 20. A full schedule and a link for hotel reservations can be found at <http://tsp.plasa.org/tsp/meetings/index.php>. Reserve a room before the block is sold out! For more information or to register to participate in the Plugfest, contact Scott Blair at [sblair@rdmprotocol.org](mailto:sblair@rdmprotocol.org).

## US DOL Updates Power Press Rules, Rescinds Foreign Labor Regulations

The U.S. Department of Labor announced on November 20 that the Occupational Safety and Health Administration has updated its standards for the use of mechanical power presses and that the Employment and Training Administration has rescinded outdated Foreign Labor Certification regulations for the H-2A, F-1 and H-1A programs.

The new OSHA rule eliminates a requirement for employers to document mandatory weekly inspections of mechanical power presses while clarifying the responsibility of employers to perform and document any maintenance or repairs necessary to protect the safety of workers who operate them. The final rule will be effective 18 February 2014, unless OSHA receives a significant adverse comment by 20 December 2013. In addition, OSHA will align the existing OSHA standard's maintenance and repair provisions with those in ANSI standards for mechanical power presses. See the *Federal Register* notice at <https://www.federalregister.gov/articles/2013/11/20/2013-27695/record-requirements-in-the-mechanical-power-presses-standard> for more details.

Of the rescinded H-2A, F-1 and H-1A programs regulations, only one is likely to affect some *Standards News* readers: F-1 about the part-time employment of foreign college students off campus. (The H-2A and H-1A regulations are relevant to hiring foreign loggers and nurses.) The Direct Final Rule for the ETA Attestation Process for Employers Using F-1 Students in Off-Campus Work rescinds the regulations found at 20 CFR 655 subparts J and K, which provided rules governing employers seeking to hire F-1 foreign students as part-time workers off-campus (perhaps at a summer theatre or event, which is why it is listed in *Standards News*). These subparts became obsolete after the authorizing statute and its two-year extension expired in 1996. See the *Federal Register* notice at <https://www.federalregister.gov/articles/2013/11/20/2013-27685/attestation-process-for-employers-using-f-1-students-in-off-campus-work> for more details.

---

## Imperial Units: Worth Wasting Three Minutes of Your Life

Mike Wood (Mike Wood Consulting LLC) has called attention to a Head Squeeze video that explains measurements of length in the Imperial system. It's available at <http://www.youtube.com/watch?v=r7x-RGfd0Yk>. Imperial units of length are based on the length of a grain of barley.

Barley plays an important role in defining Imperial units of weight, too. The basic unit of weight, the grain, was based on the weight of one grain of barley. The avoirdupois pound, the pound in general use today, is equal to 7,000 grains. It is divided into 16 ounces (each ounce being equal to 437.5 grains). Each ounce is divided into 16 drams (each dram equals 27.344 grains) There are 256 drams (2<sup>8</sup> drams) in an avoirdupois pound.

The Troy pound also is based on the grain, and the grain is that same virtual barley grain. The Troy pound equals 5760 grains, so a Troy pound is lighter than an avoirdupois pound. However, the Troy pound is divided into only 12 ounces, so a Troy ounce weighs 480 grains, and is therefore heavier than an avoirdupois ounce. The Troy pound isn't part of the Imperial system, but it is still used today for weighing precious metals. Therefore, a pound of gold weighs less than a pound of aluminum, but an ounce of gold weighs more than an ounce of aluminum. Keep this in mind when buying bangles—or figure the weight in grams and be done with it.

---

## WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced a few notices as a WTO Technical Barrier to Trade that may be of interest to *Standards News* readers. The notices are sorted by comment deadline, with the soonest first. If you have a problem with a WTO TBT notification, you can protest it through your representative to the WTO. In the US, that is NIST ([notifyus@nist.gov](mailto:notifyus@nist.gov)). See <http://ec.europa.eu/enterprise/tbt/> for information about handling WTO TBT objections in Europe.

### Taiwan Economy Notification TPKM/148

**Date issued:** 8 November 2013

**Agency responsible:** Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (BSMI)

**National inquiry point:** Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (BSMI)

**Products covered:** Low-voltage three-phase squirrel-cage high-efficiency induction motors (CCCN 8501.52.90 and CCCN 8501.53.91)

**Title:** Draft of the minimum energy efficiency requirements for Low-voltage three-phase squirrel-cage high-efficiency induction motors

**Description of content:** The Bureau of Energy has implemented since 1 July 2002, the minimum energy efficiency requirements for low-voltage three-phase squirrel-cage high-efficiency induction motors. Aiming to enhance the efficiency of energy utilization, the Bureau of Energy intends to promote the minimum energy efficiency requirements, so as to reduce electricity loss, in two phases. The first phase will be implemented in 1 July 2015, and second phase will be in 1 July 2017. Test methods of the proposed minimum energy efficiency requirements would be based on related national standards. [The scope includes motors from 0.75 kW to 200 kW. The low end of this range would include portable chain hoists.]

**Objective and rationale:** To promote energy using efficiency of electric appliances to achieve the goal of energy conservation and environmental protection.

**Relevant documents:** Energy Management Act; CNS 14400: (Low-voltage three-phase squirrel-cage high-efficiency induction motors).

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

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

**Final date for comments:** 8 January 2014

**Full text:** <http://plasa.me/i308w>

#### **Korea, Republic of Notification KOR/456**

**Date issued:** 28 November 2013

**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:** Adjustable speed electrical power drive systems

**Title:** Draft amendment of Technical criterion for Electromagnetic susceptibility

**Description of content:** These criteria are to specify technical specifications for electromagnetic susceptibility (EMS) of Adjustable speed electrical power drive systems(PDS). This EMS criteria defines low-frequency and high-frequency immunity requirements of PDS same as IEC 61800-3. Electromagnetic susceptibility criteria is to specify technical specifications of Adjustable speed electrical power drive systems and protect the electromagnetic environment.

**Objective and rationale:** Harmonization.

**Relevant documents:** RRA Public Notice No. 2013-60 (15 November 2013)

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

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

**Final date for comments:** 28 January 2014

**Full text:** <http://plasa.me/8l67c>

#### **Korea, Republic of Notification KOR/457**

**Date issued:** 28 November 2013

**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:** Adjustable speed electrical power drive systems

**Title:** Draft amendment of Technical criterion for Electromagnetic susceptibility

**Description of content:** These criteria are to specify technical specifications for electromagnetic susceptibility (EMS) of Adjustable speed electrical power drive systems (PDS). This EMS criteria defines low-frequency and high-frequency immunity requirements of PDS same as IEC 61800-3. Electromagnetic susceptibility criteria is to specify technical specifications of Adjustable speed electrical power drive systems and protect the electromagnetic environment.

**Objective and rationale:** Harmonization

**Relevant documents:** RRA Public Notice No. 2013-60 (15 November 2013)

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

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

**Final date for comments:** 28 January 2014

**Full text:** <http://plasa.me/2gucg>

### China Notification CHN/997

**Date issued:** 2 December 2013

**Agency responsible:** Standardization Administration of China (SAC)

**National inquiry point:** General Administration of Quality Supervision and Inspection and Quarantine of the People's Republic of China (AQSIQ)

**Products covered:** Anchor devices

**Title:** National Standard of the P.R.C., Personal Fall Protection Equipment - Anchor Device

**Description of content:** This standard specifies the technical requirements, test methods, inspection rules and marking of fall protection anchor devices for high-place operation. This standard applies to fall protection anchor device. It does not apply to anchor devices for sports and firefighting.

**Objective and rationale:** Ensuring the safety of personnel and production.

**Proposed date of adoption:** 2 March 2014

**Proposed date of entry into force:** 2 September 2014

**Final date for comments:** 2 February 2014

**Full text:** <http://plasa.me/5dv2v>

### Ecuador Notification ECU/119

**Date issued:** 22 November 2013

**Agency responsible:** Ministry of Industry and Productivity (MIPRO) ; Ecuadorian Standardization Institute (INEN)

**National inquiry point:** Ministry of Industry and Competitiveness (MICIP)

**Products covered:** Generators, generating sets and electric rotary converters (HS 8502.11, 8502.11.10, 8502.11.90, 8502.12, 8502.12.10, 8502.12.90, 8502.13, 8502.13.10, 8502.13.90, 8502.20, 8502.20.10, 8502.20.90 and 8502.40)

**Title:** Emergency Technical Regulation of the Ecuadorian Standardization Institute No. 092: "Generators, generating sets and electric rotary converters"

**Description of content:** The notified emergency Technical Regulation covers the following: Purpose; Scope; Definitions; General conditions; Requirements; Labelling requirements; Sampling; Conformity assessment tests; Reference standards and standards consulted; Conformity assessment procedure; Monitoring and inspection authority; Penalty regime; and Liability of conformity assessment bodies.

**Objective and rationale:** The notified Technical Regulation establishes the requirements for, and main features of, AC generators (alternators) controlled by voltage regulators when they are used in reciprocating internal combustion engine-driven AC generating sets, consisting of a reciprocating internal combustion engine, an AC generator and the additional equipment required for their operation, such as controlgear, switchgear and auxiliary equipment, with a view to preventing risks to human health, life and safety and the environment, and practices likely to mislead users as regards the handling and use of such products. It applies to the following types of generating set produced in, imported into or marketed in Ecuador:

- generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines);
- generating sets with spark-ignition internal combustion piston engines;
- electric converters.

**Relevant documents:** 1. Publication where notice appears: <http://www.industrias.gob.ec> and <http://www.inen.gob.ec>; 2. Proposal and basic document: RTE INEN EMERGENTE 092 "Generadores. Grupos Electr6genos y Convertidores Rotativos El6ctricos" (Emergency Technical Regulation of the Ecuadorian Standardization Institute No. 092: "Generators, generating sets and electric rotary converters"); 3. Publication in which Technical Regulation will be published when adopted: Registro Oficial (Official Journal) No. 121 of 12 November 2013.

**Proposed date of adoption:** 4 March 2014

**Proposed date of entry into force:** 4 September 2014

**Final date for comments:** 4 February 2014

### Ecuador Notification ECU/110

**Date issued:** 14 November 2013

**Agency responsible:** Ministry of Industry and Productivity (MIPRO) ; Ecuadorian Standardization Institute (INEN)

**National inquiry point:** Ministry of Industry and Competitiveness (MICIP)

**Products covered:** Generators, generating sets and electric rotary converters

**Title:** Draft Technical Regulation of the Ecuadorian Standardization Institute No. 092: "Generators, generating sets and electric rotary converters"

**Description of content:** The notified draft Technical Regulation covers the following: Purpose; Scope; Definitions; General conditions; Requirements; Labelling requirements; Sampling; Conformity assessment tests; Reference standards and standards consulted; Conformity assessment procedure; Monitoring and inspection authority; Penalty regime; Liability of conformity assessment bodies; and Review and updating. Objective and rationale: The notified Technical Regulation establishes the requirements for, and main features of, AC generators (alternators) controlled by voltage regulators when they are used in reciprocating internal combustion engine-driven AC generating sets, consisting of a reciprocating internal combustion engine, an AC generator and the additional equipment required for their operation, such as controlgear, switchgear and auxiliary equipment, with a view to preventing risks to human health, life and safety and the environment, and practices likely to mislead users as regards the handling and use of such products. It applies to the following types of generating set produced in, imported into or marketed in Ecuador:

- generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines);
- generating sets with spark-ignition internal combustion piston engines;
- electric converters.

**Relevant documents:** 1. Publication where notice appears: <http://www.industrias.gob.ec> and <http://www.inen.gob.ec>; 2. Proposal and basic document: PRTE INEN 092 "Generadores. Grupos electrógenos y convertidores rotativos eléctricos" (Draft Technical Regulation of the Ecuadorian Standardization Institute No. 092: "Generators, generating sets and electric rotary converters"); 3. Publication in which Technical Regulation will be published when adopted: Registro Oficial (Official Journal).

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

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

**Final date for comments:** 10 February 2014

**Full text:** <http://plasa.me/bee84>

---

## ANSI Public Review Announcements

The following recent ANSI public review announcements are likely to be of interest to *Standards News* readers. Please send your comments before the deadline to the person indicated and to ANSI's BSR at [psa@ansi.org](mailto:psa@ansi.org).

### Due 6 January 2014

#### **BSR/NEMA OS 2-201x, Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports (revision and redesignation of ANSI/NEMA OS 2-2010)**

Covers general-purpose nonmetallic outlet and device boxes, covers and supports widely used by the consumer and designed to facilitate wire pulling; mounting of devices; and connecting of conduit, cable, and tubing systems.

Single copy price: \$97.00

Order from: [www.global.ihs.com](http://www.global.ihs.com)

Send comments to Paul Crampton at [Paul.Crampton@NEMA.org](mailto:Paul.Crampton@NEMA.org).

#### **BSR/UL 61010-2-201-201x, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-201: Particular Requirements for Control Equipment (identical national adoption of IEC 61010-2-201)**

This is an identical adoption of IEC 61010-2-101 which specifies safety requirements and related verification tests for control equipment of the following types: programmable controllers (PLC and PAC); the components of Distributed Control Systems (DCS); the components of remote I/O systems; industrial PC (computers) and Programming and Debugging Tools (PADTs); Human-Machine Interfaces (HMI); any product performing the function of control equipment and/or their associated peripherals, which have as their intended use the control and command of machines, automated manufacturing and industrial processes.

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

Send comments to Megan Sepper at [Megan.M.Sepper@ul.com](mailto:Megan.M.Sepper@ul.com).

#### **BSR/NEMA OS 1-201x, Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports (revision and redesignation of ANSI/NEMA OS 1-2010)**

Covers general-purpose metallic outlet and device boxes, covers and supports widely used by the consumer and designed for wire pulling; mounting of devices; and connecting of conduit, cable, and tubing systems.

Single copy price: \$154.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

Send comments to Paul Crampton at [Paul.Crampton@NEMA.org](mailto:Paul.Crampton@NEMA.org).

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

UL 111 covers multioutlet assemblies and factory assembled wiring kits for installation in multioutlet assemblies. Multioutlet assemblies consist of a raceway, one or more outlet wiring devices that provide power for connection of utilization equipment and are intended for use in dry locations, other than hazardous (classified) in accordance with the National Electrical Code®, NFPA 70® a. Multioutlet assemblies are intended to be connected to permanently installed branch circuits operating at frequencies between 50 - 400 Hz, DC circuits, and operating at potentials not exceeding 600 volts between conductors.

Obtain an electronic copy from: [www.comm-2000.com](http://www.comm-2000.com)

Send comments (with copy to [psa@ansi.org](mailto:psa@ansi.org)) to: Anne Marie Jacobs at [annemarie.jacobs@ul.com](mailto:annemarie.jacobs@ul.com).

**Due 13 January 2014**

**BSR/ASA S1.4-201x/Part 1 / IEC 61672-1:2013, Electroacoustics -Sound level meters - Part 1: Specifications (identical national adoption of IEC 61672-1:2013 and revision of ANSI/ASA S1.40-2006 (R2011))**

This part gives electroacoustical performance specifications for three kinds of sound-measuring instruments: a time-weighting sound-level meter that measures exponential-time-weighted, frequency-weighted sound levels; an integrating-averaging sound-level meter that measures time-averaged, frequency-weighted sound levels; and an integrating sound-level meter that measures frequency-weighted sound exposure levels.

Single copy price: \$275.00

Order from and send comments to Susan Blaeser at [sblaeser@aip.org](mailto:sblaeser@aip.org).

**BSR/ASA S1.4-201x/Part 2 / IEC 61672-2:2013, Electroacoustics -Sound level meters - Part 2: Pattern evaluation tests (identical national adoption of IEC 61672-2:2013 and revision of ANSI/ASA S1.40-2006 (R2011))**

This part provides details of the tests necessary to verify conformance to all mandatory specifications given in Part 1 for time-weighting, integrating-averaging, and integrating sound-level meters. Pattern-evaluation tests apply for each channel of a multi-channel sound-level meter as necessary. Tests and test methods are applicable to class 1 and 2 sound-level meters. The aim is to ensure that all laboratories use consistent methods to perform pattern-evaluation tests.

Single copy price: \$231.00

Order from and send comments to Susan Blaeser at [sblaeser@aip.org](mailto:sblaeser@aip.org).

**BSR/ASA S1.4-201x/Part 3 / IEC 61672-3:201x, Electroacoustics -Sound level meters - Part 3: Periodic tests (identical national adoption of IEC 61672 -3:2013 and revision of ANSI/ASA S1.40-2006 (R2011))**

This part describes procedures for periodic testing of time-weighting, integrating-averaging, and integrating sound-level meters that were designed to conform to the class 1 or class 2 specifications of the second edition of IEC 61672-1. The aim of the standard is to ensure that periodic testing is performed in a consistent manner by all laboratories.

Single copy price: \$110.00

Order from and send comments to Susan Blaeser at [sblaeser@aip.org](mailto:sblaeser@aip.org).

**BSR/EIA 364-26C-201x, Salt Spray Test Procedure for Electrical Connectors, Contacts, and Sockets (revision and redesignation of ANSI/EIA 364-26B-1999 (R2013))**

Establishes a test method to assess the effects of a controlled salt-laden atmosphere on electrical connector components, finishes, and mechanisms and permit electrical readings to be taken after exposure when specified.

Single copy price: \$69.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

Send comments to Edward Mikoski at [emikoski@eciaonline.org](mailto:emikoski@eciaonline.org).

**INCITS 519-201x, Information technology - Serial Attached SCSI-3 (SAS-3) (new standard)**

The SCSI family of standards provides for many different transport protocols that define the rules for exchanging information between different SCSI devices. This standard specifies the functional requirements for the Serial Attached SCSI (SAS) physical interconnect, which is compatible with the Serial ATA physical interconnect. The SAS Protocol Layer - 3 (SPL-3) standard documents the SAS protocol layer corresponding

to the Serial Attached SCSI - 3 (SAS-3), defining the rules for exchanging information between SCSI devices using a serial interconnect.

Single copy price: \$30.00

Obtain an electronic copy from: <http://www.incits.org>

Send comments to Rachel Porter at [comments@itic.org](mailto:comments@itic.org).

### **BSR/NEMA MW 1000-201x, Magnet Wire (revision, redesignation and consolidation of ANSI/NEMA MW 1000-2012)**

This publication presents all existing NEMA standards for round, rectangular, and square film-insulated and/or fibrous-covered copper and aluminum magnet wire for use in electrical apparatus. Included are the definitions, type designations, dimensions, constructions, performance, and test methods for magnet wire generally used in the winding of coils for electrical apparatus.

Single copy price: \$154.00

Obtain an electronic copy from: [www.global.ihs.com](http://www.global.ihs.com)

Send comments to Paul Crampton at [Paul.Crampton@NEMA.org](mailto:Paul.Crampton@NEMA.org).

**Due 21 January 2014**

### **BSR/ASME B18.16.6-201x, Locknuts (Inch Series) (revision of ANSI/ASME B18.16.6-2008)**

This Standard covers the complete general, dimensional, mechanical, and performance data (proof load, prevailing torque, and torque-tension) for carbon steel, inch series hex nylon insert, hex and hex flange all-metal locknuts in sizes #4 through 1-1/2 inches of property grades NE2, NE5 N2, N5, and N8 for nylon insert locknuts and Grades A, B, C, F, and G for all metal locknuts designated as a American National Standard. The inclusion of dimensional data in this standard is not intended to imply that all of the locknut sizes in conjunction with the various options described in this standard are stock items. Consumers should consult with suppliers concerning lists of stock production nylon insert locknuts.

Single copy price: Free

Order from: Mayra Santiago at [ANSIBOX@asme.org](mailto:ANSIBOX@asme.org).

Send comments to Calvin Gomez at [gomezcc@asme.org](mailto:gomezcc@asme.org).

---

## **BSI Public Review Announcements**

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

**Due 22 December 2013**

### **EN ISO 1412, Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards**

This International Standard specifies general requirements for the design, construction and selection of guards provided to protect persons from mechanical hazards. It indicates other hazards that can influence the design and construction of guards.

### **PAS 2060:2014, Specification for the demonstration of carbon neutrality**

This Publicly Available Specification (PAS) sets out requirements to be met by any entity seeking to demonstrate carbon neutrality through the quantification, reduction and offsetting of greenhouse gas (GHG) emissions from a uniquely identified subject. It is not the intention of this PAS to exclude any specific subjects or entities; it is intended that this specification be used by any entity.

**Due 23 December 2013**

### **ISO 13009, Beaches - Criteria to render the service**

This standard establishes the general requirements for beach operators that offer (or intend to offer) tourist and visitor services. It provides advisory guidance regarding the delivery of sustainable management and planning, beach ownership and legislative responsibilities, sustainable infrastructure and service provision needs (beach safety, information and communication, cleaning and waste removal). The overarching aim is to provide beach operators with recommended advice towards delivering a quality service and experience for both beach operators and users. This standard applies for beaches during the bathing season, where it exists.

**Due 29 December 2013**

**ISO 13849-1:2006+A1, Safety of machinery - Safety-related parts of control systems Part 1: General principles for design - Amendment 1**

The standard provides safety requirements and guidance on the principles for the design and integration of safety-related parts of control systems (SRP/CS), including the design of software. For these parts of SRP/CS, it specifies characteristics that include the performance level required for carrying out safety functions. It applies to SRP/CS, regardless of the type of technology and energy used (electrical, hydraulic, pneumatic, mechanical, etc.), for all kinds of machinery. It does not specify the safety functions or performance levels that are to be used in a particular case.

**Due 31 December 2013**

**EN 338, Structural timber - Strength classes**

This European Standard establishes a system of strength classes for general use in design codes. It gives characteristic strength and stiffness properties and density values for each class to which EN 14081-1 refers. This standard is applicable to all softwood and hardwood timber for structural use

**EN 384, Structural timber - Determination of characteristic values of mechanical properties and density**

This standard gives a method for determining characteristic values of mechanical properties and density, for defined populations of visual grades and/or mechanical strength classes of sawn timber. Additionally it covers the stages of sampling, testing, analysis and presentation of the data. A method is also given for checking the strength of a timber population against its designated value. The values determined in accordance with this standard for mechanical properties and density are suitable for assigning grades and species to the strength classes of EN 338.

**ISO 9241-392, Ergonomics of human-system interaction Part 392: Ergonomic requirements for the reduction of visual fatigue from stereoscopic images**

This part of ISO 9241 establishes recommendations for reducing the potential visual discomfort and visual fatigue experienced during the viewing of stereoscopic images under defined viewing conditions. Visual fatigue and discomfort may be produced by the stereoscopic optical stimulus of disparate images that are presented binocularly. This part of ISO 9241 is applicable to the final products of stereoscopic presentations, which depend on stereoscopic image content and stereoscopic displays, when viewed under appropriate defined conditions. Therefore, the recommendations are intended for people responsible for the design, development and supply of stereoscopic image content, as well as stereoscopic displays.

---

**CSA Public Review Announcements**

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

**Due 30 December 2013**

**ASTM F2783 / CSA Z267, Standard practice for design, manufacture, operation, maintenance, and inspection of amusement rides and devices, in Canada (Adoption without deviations) (New Standard)**

This draft is an adoption of ASTM F2783, with no Canadian deviations, Copies can be obtained from the originating organization for a fee.

**Due 3 February 2014**

**C872, Power Consumption of Small Network Equipment (SNE) (New Standard)**

This standard specifies test method for measuring and reporting the power consumption of Small Network Equipment. It has been harmonized with the requirements for testing and evaluating the power consumption of Small Network Equipment specified in the Energy Star Small Network Equipment Specification Version 1.0. revised November 2013.

## Standards Administration of the People's Republic of China Announcements

The Standards Administration of the People's Republic of China has published a few announcements that might be of interest to *Standards News* readers. These include public review announcements and calls for participation on standards committees. Brief descriptions are given below, with links to more information. The documents are in simplified Chinese.

### Due 10 January 2014

#### General Rule of Restricting Excessive Packaging for Commodity

This standard specifies the basic requirements for restricting excessive packaging, design structural requirements, material requirements and costs. Expert opinion is being solicited on the draft before the due date. See [http://www.sac.gov.cn/sgybzyb/sytz/201312/t20131206\\_147931.htm](http://www.sac.gov.cn/sgybzyb/sytz/201312/t20131206_147931.htm)

### Due 15 January 2014

#### Call for Technical Committee Members

The Environment Environmental Assessment National Standardization Technical Committee dealing with electric and electronic products and systems is looking for candidates for Technical Committee SAC/TC297/SC5. This committee is mainly responsible for the standardization work in the field of the environmental assessment of electrical and electronic products and systems nationwide. Broad participation from stakeholders is sought, but candidates must be qualified and apply to be considered. More information is available at [http://www.sac.gov.cn/zhywqlb/zxtz\\_823/201312/t20131203\\_147841.htm](http://www.sac.gov.cn/zhywqlb/zxtz_823/201312/t20131203_147841.htm).

---

## Draft IEC and ISO standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) and International Organization for Standardization (ISO) are considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to IEC members for comment and vote. Standards News readers interested in reviewing and commenting on these documents should order copies from their national representatives to the IEC and ISO and submit their comments through them. Comments from US citizens regarding IEC and ISO documents should be sent to Charles T. Zegers ([czegers@ansi.org](mailto:czegers@ansi.org)) and Karen Hughes ([isot@ansi.org](mailto:isot@ansi.org)) respectively.

### Due 17 January 2014

**85/465/FDIS, IEC 61557-15:** Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 15: functional safety requirements for insulation monitoring devices in it systems and equipment for insulation fault location in it systems

### Due 24 January 2014

**34B/1721/CD, IEC 60838-2-3 Ed.1:** Miscellaneous lampholders – Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps

**100/2193A/CDV, IEC 62889 Ed.1:** Digital video interface – Gigabit video interface (GVIF) for multimedia systems (TA 4)

### Due 20 February 2014

**ISO/IEC 14763-2:2012/PDAM 1,** Information technology -Implementation and operation of customer premises cabling – Part 2: Planning and installation - Amendment 1

### Due 21 February 2014

**34B/1708/CDV, IEC 60238 Ed.9:** Edison screw lampholders

**34B/1709/CDV, IEC 60838-1 Ed.5:** Miscellaneous lampholders – Part 1: General requirements and tests

**110/515/CDV, IEC 61747-2-2 Ed.2:** Liquid crystal display devicesPart 2-2: Matrix colour LCD modules - Blank detail specification, 21 February 2014

**Due 28 February 2014**

**34A/1715/CDV, Amendment 1 to IEC 61167 Ed.2:** Metal halide lamps - Performance specification

**73/169/CD, IEC 60909-0:** Short-circuit currents in three-phase a.c. systems - Part 0: Calculation of currents

**81/457/CD, IEC/TS 62561-8 Ed.1:** Lightning Protection System Components (LPSC) - Part 8: Requirements for components for isolated LPS

**110/522/CDV, IEC 61747-20-1 Ed.1** - Liquid crystal display devices -Part 20-1: Visual inspection of monochrome liquid crystal display cells (Excluding all active matrix liquid crystal display cells), 28 February 2014

**110/536/CD, IEC 61747-20-3 Ed.1:** Liquid crystal display devices- Part 20-3: Visual inspection -Active matrix colour liquid crystal display modules, 28 February 2014

---

## **New ANS Projects**

ANSI has announced the following new projects that might materially affect *Standards News* 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/AWS C4.1-201X, Criteria for Describing Oxygen-Cut Surfaces (revision of ANSI/AWS C4.1-2009)**

This set consists of a plastic gauge with samples of oxygen-cut surfaces, and a document including descriptive terms and illustrations of surface cuts. For more information contact Chelsea Lewis at [clewis@aws.org](mailto:clewis@aws.org).

### **BSR/AWS C4.5M-201X, Uniform Designation System for Oxyfuel Nozzles (revision of ANSI/AWS C4.5M-2012)**

This document presents recommendations to oxyfuel welding, cutting, and heating/brazing torch nozzle manufacturers regarding the identification markings to be permanently applied to the torch nozzle to identify its intended application. The identification will provide information to improve the safe operation and application of nozzles by torch operators. This standard makes use of the International System of Units (SI). For more information contact Chelsea Lewis at [clewis@aws.org](mailto:clewis@aws.org).

### **BSR/AWS C4.2/C4.2M-201X, Recommended Practices for Safe Oxyfuel Gas Cutting Torch Operation (revision of ANSI/AWS C4.2/C4.2M-2009)**

This document contains the procedures to be used in conjunction with oxyfuel gas cutting equipment and the latest safety requirements. Complete lists of equipment are available from individual manufacturers. For more information contact Chelsea Lewis at [clewis@aws.org](mailto:clewis@aws.org).

### **BSR/CEA 709.1-D-201x, Control Network Protocol Specification (revision and redesignation of ANSI/CEA 709.1-C-2010)**

This specification applies to a communication protocol for networked control systems. The protocol provides peer-to-peer communication for networked control and is suitable for implementing both peer-to-peer and master-slave control strategies. For more information contact Veronica Lancaster at [vlancaster@ce.org](mailto:vlancaster@ce.org).

### **BSR/CEA 852.1-A-201x, Enhanced Protocol for Tunneling Component Network Protocols Over Internet Protocol Channels (revision and redesignation of ANSI/CEA 852.1-2010)**

The CEA 852.1 standard specifies a communications method that allows networked data acquisition and control devices to communicate with each other over the internet. The purpose of such devices are widely varying and include functions such as appliance monitoring, meter reading, and HVAC and lighting control to name a few. For more information contact Veronica Lancaster at [vlancaster@ce.org](mailto:vlancaster@ce.org).

### **BSR/CEA 852-C-201x, Tunneling Device Area Network Protocols Over Internet Protocol Channels (revision and redesignation of ANSI/CEA 852-B-2010)**

The CEA-852 standard specifies a communications method that allows networked data acquisition and control devices to communicate with each other over the internet. The purpose of such devices are widely varying and include functions such as appliance monitoring, meter reading, and HVAC and lighting control, to

name a few. CEA-852 does not replace existing device communications protocols, but instead allows those protocols to use the internet as a communications medium. For more information contact Veronica Lancaster at [vlancaster@ce.org](mailto:vlancaster@ce.org).

**BSR/CEA 2018-2008 (R201x), Task Model Description (CE TASK 1.0) (reaffirmation of ANSI/CEA 2018-2008)**

A task model is a formal description of the activities involved in completing a task, including both activities carried out by humans and those performed by machines. This standard defines the semantics and an XML notation for task models relevant to consumer electronics devices. The standard does not depend on any specific home networking technology or infrastructure. For more information contact Veronica Lancaster at [vlancaster@ce.org](mailto:vlancaster@ce.org).

**BSR/CEA 2048-201x, Host and Router Profiles for IPv6 (new standard)**

Develop an IPv6 host and router profiles requirements standard. For more information contact Veronica Lancaster at [vlancaster@ce.org](mailto:vlancaster@ce.org).

**INCITS/ISO/IEC 27001:2013, Information technology – Security techniques - Information security management systems -Requirements (identical national adoption of ISO/IEC 27001:2013)**

ISO/IEC 27001:2013 specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system within the context of the organization. It also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization. The requirements set out in ISO/IEC 27001:2013 are generic and are intended to be applicable to all organizations, regardless of type, size or nature. For more information contact Rachel Porter at [comments@itic.org](mailto:comments@itic.org).

**INCITS/ISO/IEC 27002:2013, Information technology – Security techniques - Code of practice for information security controls (identical national adoption of ISO/IEC 27002:2013)**

ISO/IEC 27002:2013 gives guidelines for organizational information security standards and information security management practices including the selection, implementation and management of controls taking into consideration the organization's information security risk environment(s). For more information contact Rachel Porter at [comments@itic.org](mailto:comments@itic.org).

**BSR Z136.5-201x, Standard for Safe Use of Lasers in Educational Institutions (revision of ANSI Z136.5-2009)**

This standard applies the requirements of the ANSI Z136.1 to the unique environments associated with educational institutions, including teaching laboratories, classrooms, lecture halls, science fairs, as well as projects on and off campus, and science museums, when they incorporate lasers into their educational process. For more information contact Barbara Sams at [bsams@lia.org](mailto:bsams@lia.org).

**BSR Z136.8-201x, Standard for Safe Use of Lasers in Research, Development, or Testing (revision of ANSI Z136.8-2012)**

This standard provides recommendations for the safe use of lasers and laser systems that operate at wavelengths between 180 nm and 1 mm and are used to conduct research or used in a research, development, or testing environment. This environment is not limited to universities and national laboratories, but includes medical research facilities and high-tech product development and evaluation settings. For more information contact Barbara Sams at [bsams@lia.org](mailto:bsams@lia.org).

**BSR/ICEA S-73-532/NEMA WC 57-201x, Standard for Control, Thermocouple, Extension and Instrumentation Cable (revision of ANSI ICEA S-73-532/NEMA WC 57-2004)**

This standard applies to materials, construction, and testing of multiconductor cables that convey electrical signals used for monitoring or controlling electrical power systems and their associated processes. For more information contact Ryan Franks at [ryan.franks@nema.org](mailto:ryan.franks@nema.org).

**BSR/TIA 1152-A-201x, Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling (revision and redesignation of ANSI/TIA 1152-2009)**

Revise ANSI/TIA-1152-2009 as determined in TIA TR-42.7, incorporating new specifications and other information as required to support field testing of cabling described in ANSI/TIA-568-C.2-1. For more information contact Germaine Palangdao at [gpalangdao@tiaonline.org](mailto:gpalangdao@tiaonline.org).

**BSR/FM Class number 6050-201x, Storage Cabinets for Ignitable Liquids (new standard)**

These cabinets are used for the storage of ignitable liquids in containers not to exceed 55 gallon capacity. Total cabinet capacity is limited to 120 gallons. The standard will include the following: scope, basis of requirements, general requirements, performance (testing) requirements, and operational requirements. For more information contact Josephine Mahnken at [josephine.mahnken@fmglobal.com](mailto:josephine.mahnken@fmglobal.com).

**BSR/IEEE 1588-201x, Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems (revision of ANSI/IEEE 1588-2008)**

This standard defines a network protocol enabling accurate and precise synchronization of the real-time clocks of devices in networked distributed systems. The protocol is applicable to systems where devices communicate via networks, including Ethernet. The standard allows multicast communication, unicast communication or both. The standard specifies requirements for mapping the protocol to specific network implementations and defines such mappings, including User Datagram Protocol (UDP)/Internet Protocol (IP versions 4 and 6), and layer-2 IEEE 802.3 Ethernet. For more information contact David Ringle at [d.ringle@ieee.org](mailto:d.ringle@ieee.org).

**BSR/NETA ETT-201x, Standard for Certification of Electrical Testing Technicians (revision of ANSI/NETA ETT-2010)**

Establishes minimum requirements for qualification and certification of the electrical testing technician. Also details the minimum training and experience requirements for electrical testing technicians and provides criteria for documenting qualifications and certification. Also outlines the minimum qualifications for an independent and impartial certifying body to certify electrical testing technicians. For more information contact Kristen Wicks at [kwicks@netaworld.org](mailto:kwicks@netaworld.org).

---

**Final Actions on American National Standards**

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

**ANSI/ARCSA/ASPE 63-2013**, Rainwater Catchment Systems (new standard): 14 November 2014

**ANSI/AWS B2.1/B2.1M-2013**, Specification for Welding Procedure and Performance Qualification (revision of ANSI/AWS B2.1/B2.1M-2008): 21 November 2013

---

**Recently Published IEC & ISO Documents**

Listed here are documents recently approved by the International Electrotechnical Commission and the International Organization for Standardization. Most are available at the ANSI Electronic Standards Store (ESS) at [www.ansi.org](http://www.ansi.org). "Project" documents are pre-publication final drafts of standards. They are generally available three months before the official publication. The "CHF" price is in Swiss Francs if purchased from the IEC's bookstore; the \$ price is in US dollars if purchased from ANSI's eStandards Store. Other prices exist elsewhere.

**IEC 62198 ed2.0 (2013-11)**, Managing risk in projects - Application guidelines. CHF 230.00

**IEC 62275 ed2.0 (2013-11)**, Cable management systems - Cable ties for electrical installations. CHF 190.00

**Project IEC 62368-1 ed2.0 (2013-11)**, Audio/video, information and communication technology equipment – Part 1: Safety requirements. CHF 510.00

**Project IEC 62709 ed1.0 (2013-11)**, Radiation protection instrumentation – Security screening of humans – Measuring the imaging performance of X-ray systems. CHF 315.00

**ISO/TR 16730-4:2013**, Fire safety engineering – Assessment, verification and validation of calculation methods - Part 4: Example of a structural model. \$104.00

**ISO/IEC TS 17961:2013**, Information technology – Programming languages, their environments and system software interfaces – C secure coding rules. \$218.00

## TSP Meeting Schedule

The Stage Lifts Working Group meets by Webex on the second Monday of each month. For more information, contact Kurt Pragman at [kurt@pragmanassociates.com](mailto:kurt@pragmanassociates.com).

The following meetings will be held at the Marriott Solana in Westlake, TX. Visit <http://tsp.plasa.org/tsp/meetings/index.php> to see the most up-to-date schedule and to book a hotel room.

Control Protocols BSR E1.33 RDMnet	13:00 - 22:00	Saturday 18 January 2014
Control Protocols Plugfest	16:00 - 23:00	Friday 17 January 2014
	09:00 - 23:00	Saturday 18 January 2014
	09:00 - 23:00	Sunday 19 January 2014
	09:00 - noon	Monday 20 January 2014
Control Protocols Working Group	09:00 - 13:00	Sunday 19 January 2014
Electrical Power Grounding & Bonding Task Group	19:00 - 23:00	Friday 17 January 2014
Electrical Power Working Group	09:00 - 12pm	Saturday 18 January 2014
Rigging BSR E1.43 Performer Flying TG	09:00 - 5pm	Saturday 18 January 2014
Rigging Working Group	19:00 - 23:00	Saturday 18 January 2014
Technical Standards Council	09:00 - 13:00	Monday 20 January 2014
Working Group Chairs	14:00 - 18:00	Saturday 18 January 2014

---

## PLASA Standards News

is distributed as a benefit to PLASA members and as a project announcement medium for PLASA's Technical Standards Program.

### Editors:

Karl G. Ruling, Technical Standards Manager  
PLASA North American office  
630 Ninth Avenue, Suite 609  
New York, NY 10036  
USA  
[karl.ruling@plasa.org](mailto:karl.ruling@plasa.org)  
1 212 244 1505  
Fax 1 212 244 1502

Erin Grabe, Asst. Technical Standards Manager  
PLASA North American office  
630 Ninth Avenue, Suite 609  
New York, NY 10036,  
USA  
[erin.grabe@plasa.org](mailto:erin.grabe@plasa.org)  
1 212 244 1505  
Fax 1 212 244 1502

---

Some material in PLASA *Standards News* is compiled from ANSI's *Standards Action* and other listings of standards development activities. Original material in *Standards News* is copyright PLASA North America.