

# PLASA Standards News

November 2015      Volume 19, Number 21

## Table of Contents

Seven PLASA North America Standards in Public Review.....	1
Due before EOD 28 December 2015, PST:.....	1
Due before EOD 4 January 2016, PST:.....	2
PLASA North America's TSP Is Reaccredited.....	2
UK Laser Guidance in Public Review.....	2
ANSI Seeks Comments on Proposed New ISO Field Activity on Halal, Schedules Webinar.....	3
NIST Publishes Community Resilience Planning Guide.....	3
WTO Technical Barrier to Trade Notifications.....	4
Mexico Notification MEX/295.....	4
United States of America Notification USA/1044.....	4
Chile Notification CHL/327.....	5
Saudi Arabia Notification SAU/887.....	5
ANSI Public Review Announcements.....	6
Due 14 December 2015.....	6
Due 29 December 2015.....	6
BSI Public Review Announcements.....	6
Due 29 January 2016.....	6
New ANS Projects.....	6
Final Actions on American National Standards.....	9
Draft IEC & ISO Standards.....	9
Recently Published IEC & ISO Documents.....	10
TSP Meeting Schedule.....	11
Investors in Innovation.....	12

## Seven PLASA North America Standards in Public Review

Seven standards are posted for public review on the PLASA North America's TSP website at [http://tsp.plasa.org/tsp/documents/public\\_review\\_docs.php](http://tsp.plasa.org/tsp/documents/public_review_docs.php). Some are reaffirmations of existing standards, some are withdrawals of existing standards, and some (the BSRs) are drafts of new standards. Comments are due before the end of the day on the date shown. The TSP public review document server works on Pacific Standard Time.

### Due before EOD 28 December 2015, PST:

**ANSI E1.3 - 2001 (R201x), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification.** The standard describes a method of controlling current-sink devices and equipment by means of an analog control voltage in the nominal range from zero to 10 volts positive, with the control signal current sourced from the controller. It is primarily intended for theatrical lighting controllers and controlled devices (e.g., dimmers), but any device could use this control method. The working group proposes to reaffirm the existing standard, which was previously reaffirmed in 2011.

**ANSI E1.30-1 - 2010 (R201x), EPI 23. Device Identification Subdevice.** This document is part of BSR E1.30, Application level equipment interoperability for control of commonly encountered entertainment

technology devices using ANSI E1.17. It specifies a templated device for device identification as typically used for remote hardware and software devices. The working group is proposing to reaffirm the 2010 version.

**ANSI E1.30-7 – 2009 (W201x), EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN**

**Hosts.** E1.30-7, EPI 29, Allocation of Internet Protocol Version 4 Addresses to ACN Hosts, is a recipe that changes some of the rules for ACN (ANSI E1.17) so that devices with IP addresses not set by DHCP can be used on a network. The standard is being proposed for withdrawal on the grounds that much of the document was based around a protocol not adopted by the market, and that implementation for IP addressing is better dealt with by designers, not through the standardization of any particular method.

**Due before EOD 4 January 2016, PST:**

**ANSI E1.27-1 - 2006 (R201x), Entertainment Technology–Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products.**

This Standard describes the types of portable cable for the transmission of digital data among products which comply with ANSI E1.11, Entertainment Technology – USITT DMX512-A. It covers recommended cable types, connectors and their internal wiring. The working group is proposing to reaffirm the 2006 version.

**BSR E1.37-5 - 201x, General Purpose Messages for ANSI E1.20, RDM.** This document provides additional Get/Set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol.

**BSR E1.51, 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 accordance with existing 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.

**BSR E1.53 - 20xx, 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. It also covers these mounting devices for special effects equipment (e.g. fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard would give guidance on how to properly affix these mounting devices.

---

## **PLASA North America's TSP Is Reaccredited**

Effective 3 November 2015, ANSI's Executive Standards Council has approved the reaccreditation of PLASA North America, an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on PLASA-sponsored American National Standards. The acceptance of the revised procedures was the last step completing the audit of the TSP's standards development process, which is conducted every five years.

---

## **UK Laser Guidance in Public Review**

*Radiation Safety of Lasers Used for Display Purposes*, HS(G)95, published by the Health and Safety Executive in the UK, has been revised and is now available for public review. The public review draft (the "consultation" document) is available at [http://www.plasa.org/technical/guidance/Laser\\_Guidance\\_draft.pdf](http://www.plasa.org/technical/guidance/Laser_Guidance_draft.pdf). Please submit comments on the form available at [http://www.plasa.org/technical/guidance/Safety\\_of\\_Display\\_Lasers\\_Guidance\\_comments\\_form.docx](http://www.plasa.org/technical/guidance/Safety_of_Display_Lasers_Guidance_comments_form.docx). Sent them to Ron Bonner, PLASA EU's Technical Resources Consultant, at [ron.bonner@plasa.org](mailto:ron.bonner@plasa.org), before midnight UTC 11 December 2015. Please note that until this revision is completed, HS(G)95 is still the guidance to refer to. The contents of the consultation document should not be referred to as its contents may change following the review process.

PLASA EU is leading the project to revise the 20-year old guide. PLASA EU will be responsible for publishing and maintaining the new and subsequent versions; HSE is stepping out of that role when an industry organization exists to do the work.

## **ANSI Seeks Comments on Proposed New ISO Field Activity on Halal, Schedules Webinar**

The ISO has submitted a proposal for a new field of activity on Halal. The new work item proposal, submitted by the Emirates Authority For Standardization & Metrology, details how strong international demand for Halal products and services, including in non-Islamic countries, provides the opportunity for the development of a work program focusing on this area. While many products and services claim to be certified as Halal, there is currently a lack of specialized Halal research. As the document states, the term “Halal” designates any process or material which is permissible to use or engage in, according to Islamic Sharia. Halal products and service, as described in the document, include food, beverages, cosmetics, personal care products, pharmaceuticals, apparel, logistics, finance, tourism, hospitality, and more. The proposal lists various objectives and strategic goals for a future Halal-focused work program, including:

- Develop and issue internationally accepted standards to create a common platform for all Halal products and services;
- Develop and issue relevant standards and specifications in the field of processes and management to ensure the safety, quality, and fitness of products in compliance with Sharia laws and processes;
- Ensure proper awareness for both consumers and the public on Halal;
- Improve Halal products and ensure the services, systems, and other aspects are satisfying the needs of governments and consumers;
- Identify current/future needs related to testing and verification schemes in JWG under the leadership of CASCO (an ISO committee that works on issues relating to conformity assessment);
- Identify and establish current/future needs related for Halal: testing, conformity assessment, inspection, certification, and accreditation, and Halal marks of conformity on cooperation with CASCO;
- Facilitate Halal trading without barriers;
- Satisfy Halal market needs and expectations;
- Share national and regional best practices, research, and technologies on Halal.

According to the proposal, Halal is in high demand by various sectors, with stakeholders ranging from consumers, traders, manufacturers, and government. The proposed committee and standards that will be developed will enhance market competitiveness, efficiency, effectiveness, and import/export capability and will support extensive research studies and the establishment of reference land to measure Halal impact.

The American National Standards Institute (ANSI) is requesting that interested parties in the United States review the proposal (available at <http://plasa.me/gjqo4>) and submit comments to Steven Cornish, ANSI director of international policy ([scornish@ansi.org](mailto:scornish@ansi.org)) by 11 December 2015. ANSI will be hosting a one-hour webinar to discuss the proposal with U.S. stakeholders on 19 November, 15:00 EST. Information about attending the webinar is available at <http://plasa.me/lxjy1>.

Citizens of other nations should submit their comments to their ISO representatives.

---

## **NIST Publishes Community Resilience Planning Guide**

On the three year anniversary of Hurricane Sandy, the U.S. Commerce Department’s National Institute of Standards and Technology released a new community resilience planning guide, available at <http://www.nist.gov/el/resilience/guide.cfm>. It is intended to help U.S. communities better withstand and rebound from severe weather events, but the advice is likely to be useful to any community at risk from severe weather—and the severe weather season is here in the Northern Hemisphere. The guide outlines critical resilience steps for communities, including:

- Forming a collaborative planning team
- Understanding the situation
- Determining goals and objectives
- Planning development
- Plan preparation, review, and approval
- Plan implementation and maintenance

The NIST *Resilience Guide* will be updated as bad weather and good research generate better advice.

## 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 News* readers. If you have a problem with these notices, you can protest 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 European TBT objections.

### Mexico Notification MEX/295

**Date issued:** 22 October 2015

**Agency responsible:** Ministry of Economy

**National inquiry point:** Direccion General de Normas (DGN)

**Products covered:** Transmission apparatus for radio-broadcasting or television, reception apparatus for radio-broadcasting (HS 8525, 8527)

**Title:** Emergency Mexican Official Standard NOM-EM-016-SCFI-2015: "Products. Spread-spectrum radiocommunications systems - Frequency-hopping and digital modulation radiocommunications equipment operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz - Specifications and testing methods"

**Description of content:** The notified guidelines contain provisions on infrastructure, telecommunications and broadcasting established by the Federal Telecommunications Institute, and requirements and procedures concerning the accreditation, designation and recognition of testing laboratories in the territory of the United Mexican States.

**Objective and rationale:** Given that there is no Mexican Official Standard establishing specifications and limits for the spread-spectrum radiocommunications equipment and devices referred to in this Standard, certain product deficiencies may pose a risk to human health and safety. When these products are used, they may cause interference that is harmful to other authorized equipment or telecommunications networks and services, and thus impede the co-existence of the greatest possible number of spread-spectrum and digital modulation radiocommunications systems.

For this reason, it is imperative that the Ministry of the Economy immediately issue an emergency provision concerning the importation, marketing and distribution of radiocommunications equipment with a wired interface or device, the technical specifications for which are contained in Technical Provision IFT-008-2015: "Spread-spectrum radiocommunications systems - Frequency-hopping and digital modulation radiocommunications equipment operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz - Specifications, limits and testing methods", issued by the Federal Telecommunications Institute. The following Emergency Standard has therefore been issued: Emergency Mexican Official Standard NOM-EM-016-SCFI-2015: "Products. Spread-spectrum radiocommunications systems - Frequency-hopping and digital modulation radiocommunications equipment operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz - Specifications and testing methods".

This Standard establishes that all spread-spectrum, frequency-hopping and digital modulation radiocommunications equipment with a wired interface or device, which operates in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz and which is to be imported, marketed and/or distributed in the territory of the United Mexican States, must comply with the minimum specifications and limits, and testing methods, indicated in Technical Provision IFT-008-2015, issued by the Federal Telecommunications Institute. The Standard seeks to protect consumer safety, health and economy from the possible consequences of the inadequate performance of the above-mentioned products. The Standard covers all spread-spectrum radiocommunications equipment.

**Relevant documents:** Acuerdo por el que el Pleno del Instituto Federal de Telecomunicaciones expide la Disposición Técnica IFT-008-2015 Sistemas de radiocomunicación que emplean la técnica de espectro disperso -Equipos de radiocomunicación por salto de frecuencia y por modulación digital a operar en las bandas 902-928 MHz, 2400-2483.5 MHz y 5725-5850 MHz - Especificaciones, límites y métodos de prueba (Decision of the Plenary Meeting of the Federal Telecommunications Institute issuing Technical Provision IFT-008-2015: "Spread-spectrum radiocommunications systems - Frequency-hopping and digital modulation radiocommunications equipment operating in the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz - Specifications, limits and testing methods".

[http://dof.gob.mx/nota\\_detalle.php?codigo=5411997&fecha=19/10/2015](http://dof.gob.mx/nota_detalle.php?codigo=5411997&fecha=19/10/2015)

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

**Proposed date of entry into force:** 20 October 2015 [Done!]

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

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/MEX/full\\_text/pdf/MEX295\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/MEX/full_text/pdf/MEX295(spanish).pdf)

### United States of America Notification USA/1044

**Date issued:** 23 October 2015

**Agency responsible:** Environmental Protection Agency (EPA)

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

**Products covered:** Hazardous waste

**Title:** Hazardous Waste Export-Import Revisions; Proposed Rule

**Description of content:** The Environmental Protection Agency (EPA) is proposing to amend our existing regulations in regards to the export and import of hazardous wastes from and into the United States. EPA is proposing these changes to: Provide greater protection to human health and the environment by making existing export and import related requirements more consistent with the current import-export requirements for shipments between members of the Organization for Economic Cooperation and Development (OECD); enable electronic submittal of all export and import-related documents (e.g., export notices, export annual reports); and enable electronic validation of consent in the Automated Export System (AES) for export shipments subject to RCRA export consent requirements prior to exit.

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

**Relevant documents:** 80 Federal Register (FR) 63283, 19 October 2015; Title 40 Code of Federal Regulations (CFR) Part 260, 261, 262, et al. 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:** 18 December 2015

**Full text:** <http://www.gpo.gov/fdsys/pkg/FR-2015-10-19/pdf/2015-25348.pdf>

#### Chile Notification CHL/327

**Date issued:** 20 October 2015

**Agency responsible:** Ministry of Energy

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

**Products covered:** Three-phase electric induction motors

**Title:** Preliminary technical report - Minimum energy efficiency standard - Three-phase electric induction motors

**Description of content:** The notified text proposes a minimum energy efficiency standard for three-phase electric induction motors and an implementation schedule, and explains why this public policy measure is necessary. The draft energy efficiency standard for three-phase electric induction motors is based on Chilean Standard (NCh) No. 3086-2008 and the energy efficiency analysis and/or test protocol for electrical products for three-phase squirrel-cage induction motors, PE No. 7/01/2 2011.

**Objective and rationale:** Consumer information

**Relevant documents:** · Chilean Standard (NCh) No. 3086-2008

· Protocolo Análisis y/o Ensayos de Eficiencia Energética de Producto Eléctrico para Motor Trifásico de Inducción Tipo Jaula de Ardilla PE N° 7/01/2 2011 (Energy efficiency analysis and/or test protocol for electrical products for three-phase squirrel-cage induction motors, PE No. 7/01/2 2011)

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

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

**Final date for comments:** 19 December 2015

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/CHL/full\\_text/pdf/CHL327\(spanish\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/CHL/full_text/pdf/CHL327(spanish).pdf)

#### Saudi Arabia Notification SAU/887

**Date issued:** 30 October 2015

**Agency responsible:** Saudi Arabia Standards Organization (SASO)

**National inquiry point:** Saudi Arabia Standards Organization (SASO)

**Products covered:** Single-speed, three-phase, cage induction motors

**Title:** The Kingdom of Saudi Arabia / Saudi Standards, Metrology and Quality Organization (SASO) / Electronic Registration for Rotating Electrical Machines (SASO IEC 60034 Part 30: Efficiency Classes of Single-Speed, Three-Phase, Cage-Induction Motors (IE-Code))

**Description of content:** This registration form for single-speed, three-phase, cage-induction motors

**Objective and rationale:** To register the efficiency for classes of single-speed, three-phase, cage-induction motors (IE-code)

**Relevant documents:** IEC 60034-30 ed.1.0 & Registration Form (<http://www.saso.gov.sa>)

**Proposed date of adoption:** 29 January 2016

**Proposed date of entry into force:** 29 January 2016

**Final date for comments:** 29 December 2015

**Full text:** [https://tsapps.nist.gov/notifyus/docs/wto\\_country/SAU/full\\_text/pdf/SAU887\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/SAU/full_text/pdf/SAU887(english).pdf)

## ANSI Public Review Announcements

The following documents have been announced for public review by ANSI. Please send your comments before the deadline to the person indicated and to ANSI's Board of Standards Review at [psa@ansi.org](mailto:psa@ansi.org).

### Due 14 December 2015

#### **BSR/AWS D8.2M-201X, Specification for Automotive Weld Quality - Resistance Spot Welding of Aluminum** (new standard)

This document contains both visual and measurable acceptance criteria for resistance spot welds in aluminum. The information contained in this standard may be used as an aid by designers, resistance welding equipment manufacturers, welded product producers, and others involved in the automotive industry and resistance spot welding of aluminum.

Single copy price: \$32.00

Order from and send comments to: [mrodriguez@aws.org](mailto:mrodriguez@aws.org)

### Due 29 December 2015

#### **BSR/ASHRAE Addendum am to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

This addendum extends BACnet/WS with RESTful services for complex data types and subscriptions, extracts data model from Annex Q into a separate common model, reworks Annex Q to be an XML syntax for the common model, adds a JSON syntax for the common model, deprecates Annex N SOAP services and adds a migration guide, and changes Clause 21 identifiers to use consistent format.

Single copy price: \$35.00

Access and file comments at: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

#### **BSR/ASHRAE Addendum ba to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

The purpose of this addendum is to add CSML Descriptions into BACnet Devices, add semantic tags to all objects, extend structured view objects to contain semantic information, change Clause 21 identifiers to use a consistent format, and add data revisioning capabilities to CSML.

Single copy price: \$35.00

Access and file comments at: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

#### **BSR/ASHRAE Addendum bc to ANSI/ASHRAE Standard 135-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks** (addenda to ANSI/ASHRAE Standard 135-2012)

The purpose of this addendum is to extend BIBBs for primitive value objects; add new BIBBs for event enrollment and subscription; amend B-AWS related BIBBs for revised event reporting; and add life safety BIBBs and device profiles, access control BIBBs and device profiles, and an all-domain advanced workstation profile.

Single copy price: \$35.00

Access and file comments at: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

---

## BSI Public Review Announcements

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

### Due 29 January 2016

#### **EN 358, Personal protective equipment for work positioning and prevention of falls from a height. Belts and lanyards for work positioning or restraint**

This European Standard applies to belts and lanyards intended for the purpose of work positioning or restraint. It specifies the requirements, testing, marking and information supplied by the manufacturer. This European Standard does not cover restraint lanyards with a fixed length that are not integrated into a belt.

---

## 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/ASTM/ISO 55000-201x, Asset management - Overview, principles and terminology** (identical national adoption of ISO 55000:2014 (E))

This international standard provides an overview of asset management, its principles and terminology, and the expected benefits from adopting asset management. This international standard can be applied to all types of assets and by all types and sizes of organizations.

Contact: Corice Leonard, [accreditation@astm.org](mailto:accreditation@astm.org)

**BSR/ASTM/ISO 55001-201x, Asset management - Management** (identical national adoption of ISO 55001:2014(E))

This international standard specifies requirements for an asset management system within the context of the organization. This international standard can be applied to all types and sizes of assets and organizations.

Contact: Corice Leonard, [accreditation@astm.org](mailto:accreditation@astm.org)

**BSR/ASTM/ISO 55002-201x, Asset management - Management systems - Guidelines for the application of ISO 55001** (identical national adoption of ISO 55002:2014(E))

This international standard provides guidance for the application of an asset management system in accordance with the requirements of ISO 55001.

Contact: Corice Leonard, [accreditation@astm.org](mailto:accreditation@astm.org)

**BSR/AWS B2.1-1-027-201X, Standard Welding Procedure Specification (SWPS) for Self-Shielded** (revision of ANSI/AWS B2.1 -1-027-2011)

This standard contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1/2 inch, using self-shielded flux cored arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove and fillet welds. This SWPS was developed primarily for plate and structural applications.

Contact: Jennifer Rosario, [jrosario@aws.org](mailto:jrosario@aws.org)

**BSR/CEA 2056-201x, Physical Activity Monitoring** (new standard)

R6.4 WG 2 will create definitions and performance standards for physical activity monitoring devices. Areas of performance could include calorie counting, step counting, or similar wearables-based activity monitoring.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2057-201x, Interoperability Standards Series for Consumer EEG Data - Local Transmission** (new standard)

R6.4 WG3 will create a standard to enable real-time processing and storage of collected data by synchronous transmission of multiple data streams, each potentially sampled at a different rate, on a local network. Each data stream may also have a different type (e.g., real numbers or strings) or have an irregular sampling rate (e.g., events). [Yes, your brain waves are data of interest and commercial value!]

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2058-201x, Interoperability Standards Series for Consumer EEG Data - Event Description** (new standard)

Events capture changes in the real or virtual world that are potentially relevant to understanding the data collected from the user. User actions (e.g., pressing a button or starting to walk), changes in state (surprise, detection of targets or errors, receiving positive or negative feedback), and presentations of various stimuli (e.g., audio and visual elements in a game) can potentially induce changes in recorded EEG, heart rate, and other biosignals. The purpose of this standard is to harmonize the way that events are described.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2059-201x, Interoperability Standards Series for Consumer EEG Data - User State Description** (new standard)

Estimation of User State (e.g., sleepy, alert, or surprised) is the main focus of most Brain Computer Interface (BCI) applications. The purpose of this standard is to (a) define a list of terms to describe user state, clearly explaining the meaning of each term; (b) define the numerical and/or categorical value ranges associated with each term.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2060-201x, Interoperability Standards Series for Consumer EEG Data - File Storage** (new standard)

The purpose of this standard is to adopt a file format for storing several data streams in a single, self-describing, file, with each stream potentially sampled at a different rate, or having a different type (e.g., real numbers and strings). It will allow this data to be provided in an efficient and temporally accurate manner to analysis and visualization applications.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/CEA 2061-201x, Interoperability Standards Series for Consumer EEG Data - Group-level meta-data encapsulation** (new standard)

The purpose of this standard is to (a) define the minimum set of information (metadata) required to process EEG and associated data collected from a group of users and (b) adopt a schema to encapsulate this information and make it available for automated processing.

Contact: Veronica Lancaster, [vlancaster@ce.org](mailto:vlancaster@ce.org)

**BSR/PMI 201x-00X-20XX, The Standard for Business Analysis** (new standard)

The business analysis standard developed by PMI will be a basic reference and the global standard for the business analysis profession. The guide will identify and describe the subset of the body of knowledge for business analysis that is recognized as good practice. The guide is planned to help practitioners and organizations to mature their practices, drive continuous improvement and to integrate these practices with existing project management practices.

Contact: Lorna Scheel, [lorna.scheel@pmi.org](mailto:lorna.scheel@pmi.org)

**BSR/QIF Part 1-2015 and BSR/QIF Part 2-2015, Quality Information Framework - QIF Library Information model and XML schema files V2.1** (revision and redesignation of ANSI/QIF Part 1-2014; ANSI/QIF Part 2-2014)

QIF Part 1 & 2 version 2.1 has the following new content: A few new characteristics and features, enhanced persistent identification through required document QPId and external file references using QPId alias, comprehensive ISO GPS tolerance support, added new product data quality section with a x.509 digital certificate, and new validation properties and redundancy checks were added to support QIF LOTAR.

Contact: Bailey Squier, [bsquier@dmis.org](mailto:bsquier@dmis.org)

**BSR/QIF Part 4-201x, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information; Part 4: QIF Plans Information Model and XML Schema File Version 2.1** (revision and redesignation of ANSI/DMSC QIF Part 4-2014)

QIF Part 4 version 2.1 has the following new content: New methods were added to accommodate new measurement resources contained in QIF Resources, a new document section was added to emphasize the Bill of Characteristics (BoC), and new validation properties were added to support QIF LOTAR.

Contact: Bailey Squier, [bsquier@dmis.org](mailto:bsquier@dmis.org)

**BSR/QIF Part 6-201x, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information; Part 6: QIF Rules Information Model and XML Schema File Version 2.1** (revision and redesignation of ANSI/DMSC QIF Part 6-2014)

QIF Part 6 version 2.1 has the following new content: Support of new feature actuals and characteristic actuals, and new validation properties were added to support QIF LOTAR.

Contact: Bailey Squier, [bsquier@dmis.org](mailto:bsquier@dmis.org)

**BSR/QIF Part 7-201x, Quality Information Framework (QIF) - An Integrated Model for Manufacturing Quality Information; Part 7: QIF Results Information Model and XML Schema File Version 2.1** (revision and redesignation of ANSI/DMSC QIF Part 7-2014)

QIF Part 7 version 2.1 has the following new content: Support of new feature actuals and characteristic actuals, and new validation properties were added to support QIF LOTAR.

Contact: Bailey Squier, [bsquier@dmis.org](mailto:bsquier@dmis.org)

**BSR/UL 3001-201x, Standard for Safety of Distributed Energy Generation and Storage Systems** (new standard)

Distributed energy resource systems that may be comprised of distributed energy sources such as PV arrays or wind turbines in homogenous or hybrid configurations, energy storage systems, grid interface equipment

and related equipment to accomplish functionality of the distributed energy system. This covers the safety of system design, integration, and operation, and the performance as it relates to grid operability interface with premises wiring systems, and performance of the equipment in the various modes of system operation.  
Contact: Susan Malohn, [Susan.P.Malohn@ul.com](mailto:Susan.P.Malohn@ul.com)

---

## Final Actions on American National Standards

The documents listed below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator, as applicable.

**ANSI/ASABE S623-2015**, Determining Landscape Plant Water Demands (new standard): 26 October 2015

**ANSI C78.374-2015**, Electric Lamps: Light Emitting Diode Specification Sheet for General Illumination Applications (new standard): 27 October 2015

**ANSI C82.16-2015**, Lighting Equipment - Light Emitting Diode Drivers - Methods of Measurement (new standard): 29 October 2015

**ANSI/UL 588-2015a**, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2013a): 26 October 2015

**ANSI/UL 588-2015b**, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2013a): 26 October 2015

**ANSI/UL 588-2015c**, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2013a): 26 October 2015

**INCITS 469-2015**, Information technology - Open Virtualization Format (OVF) specification (revision of INCITS 469-2010): 30 October 2015

---

## 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 News* 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 notices are sorted by comment deadline, which is the date noted, and then vaguely by alphanumeric designation.

**ISO/IEC DIS 18477-8**, Information technology - Scalable Compression and Coding of Continuous-Tone Still Images - Part 8: Lossless and Near-lossless Coding - 23 November 2015, \$119.00

**ISO/IEC DIS 18477-9**, Information technology - Scalable Compression and Coding of Continuous-Tone Still Images - Part 9: Alpha Channel Coding - 23 November 2015, \$71.00

**ISO/IEC DIS 29110-3-3**, Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-3: Certification requirements for process capability - 23 November 2015, \$77.00

**ISO/DIS 10075-1**, Ergonomic principles related to mental work-load - Part 1: General concepts, terms and definitions - 30 November 2015, \$53.00

**ISO/IEC DIS 15938-6**, Information technology - Multimedia content description interface - Part 6: Reference software - 30 November 2015, \$88.00

**ISO/IEC DIS 20802-1**, Information technology - Open data (OData) protocol - Part 1: Protocol plus errata 02 - 30 November 2015, \$194.00

**ISO/IEC DIS 20802-2**, Information technology - Open data (OData) protocol - Part 2: JSON format version 4.0 plus errata 02 - 30 November 2015, \$112.00

**ISO/IEC 29199-2/DAmD1**, Information technology - JPEG XR image coding system - Part 2: Image coding specification - Amendment 1 - 30 November 2015, \$29.00

**57/1637/DTR, IEC 62351-12 TR Ed.1**: Power systems management and associated information exchange - Data and communications security - Part 12: Resilience and security recommendations for power systems with Distributed Energy Resources (DER) cyberphysical systems, 25 December 2015

**ISO/DIS 24678**, Fire safety engineering - Requirements governing algebraic formulas - Flashover Related Phenomena - 23 January 2016, \$71.00

**65C/831/CD, IEC 61158-x-25 Ed. 1.0**: Industrial communication networks - Fieldbus specifications and Profiles - Type 25 elements and CPF 20 (ADS-net), 29 January 2016

**65C/832/CD, IEC 61158-x-26 Ed. 1.0**: Industrial communication networks - Fieldbus specifications and Profiles - Type 26 elements and CPF 21 (FL-net), 29 January 2016

**ISO/DIS 22201-1**, Lifts (elevators), escalators and moving walks - Programmable electronic systems in safety related applications - Part 1: Lifts (elevators) (PESSRAL) - 4 February 2016, \$119.00

**ISO/DIS 22201-2**, Lifts (elevators), escalators and moving walks - Programmable electronic systems in safety related applications - Part 2: Escalators and moving walks (PESSRAE) - 4 February 2016, \$88.

---

## Recently Published IEC & ISO Documents

Listed here are documents recently approved by the IEC and ISO. The prices shown are for purchases from ANSI's eStandards Store, <http://webstore.ansi.org/>. Prices elsewhere may be different. A list of standards resellers is available at <http://webstore.ansi.org/faq.aspx#resellers>.

**IEC 60086-2 Ed. 13.0 b:2015**, Primary batteries - Part 2: Physical and electrical specifications, \$303.00

**IEC/TR 60083 Ed. 7.0 b:2015**, Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC, \$411.00

**IEC/TS 62257-12-1 Ed. 2.0 en:2015**, Recommendations for renewable energy and hybrid systems for rural electrification - Part 12-1: Selection of lamps and lighting appliances for off-grid electricity systems, \$363.00

**ISO 30302:2015**, Information and documentation - Management systems for records - Guidelines for implementation, \$173.00

**ISO/IEC 25024:2015**, Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Measurement of data quality, \$200.00

**ISO/IEC 30129:2015**, Information technology - Telecommunications bonding networks for buildings and other structures, \$200.00

**ISO/IEC TR 11801-9903:2015**, Information technology - Generic cabling systems for customer premises - Part 9903: Matrix modelling of channels and links, \$149.00

**ISO/IEC TR 13066-4:2015**, Information technology - Interoperability with assistive technology (AT) - Part 4: Linux/UNIX graphical environments accessibility API, \$149.00

## TSP Meeting Schedule

The next set of face-to-face TSP meetings is scheduled to be held at the Marriott Solana in Westlake, Texas. The most up-to-date meeting schedule is available at <http://tsp.plasa.org/tsp/meetings/index.php>.

Control Protocols Automation Study Group	15:00 – 18:00	Saturday 30 January 2016
Control Protocols BSR E1.20 (RDM)	10:00 – noon	Sunday 31 January 2016
Control Protocols BSR E1.33 RDMnet TG	13:00 – 16:00	Sunday 31 January 2016
Control Protocols BSR E1.37-5 TG	13:00 – 15:00	Saturday 30 January 2016
Control Protocols Working Group	09:00 – noon	Saturday 30 January 2016
Electrical Power Working Group	09:00 - noon	Friday 29 January 2016
Plugfest	16:00 – 23:00	Friday 29 January 2016
	09:00 – 23:00	Saturday 30 January 2016
	09:00 – 23:00	Sunday 31 January 2016
	09:00 - noon	Monday 1 February 2016
Rigging Working Group	14:00 - 18:00	Friday 29 January 2016
Stage Lifts Working Group	19:00 - 23:00	Friday 29 January 2016
Technical Standards Council	09:00 - noon	Sunday 31 January 2016

---

## 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 ext. 703  
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 ext. 606  
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.



## Investors in Innovation

The Technical Standard Program is financially supported by PLASA members and by companies and individuals who make undirected donations; the donations go to support the Technical Standards Program in general, and not any particular Working Group or any particular standard or project.

If you would like to help support the Technical Standards Program in its work, please consider joining the Investors in Innovation. Information about becoming an Investor in Innovation is available at <http://tsp.plasa.org/invest>. The Investors in Innovation program recognizes those companies and individuals who have helped fund the TSP. The Investors in Innovation listed on the TSP Investors in Innovation website ([http://tsp.plasa.org/tsp/inv\\_in\\_innovation/investors.html](http://tsp.plasa.org/tsp/inv_in_innovation/investors.html)) include:

### VISIONARY

Altman Lighting, Inc.  
B-Hive Industries, Inc.  
Boston Illumination group  
Candela Controls Inc.  
Clark-Reder Engineering  
DesignLab Chicago / Interesting Products  
LDI

John T. McGraw  
ProSight Specialty Insurance  
Theatre Safety Programs  
United States Institute for Theatre Technology  
Ken Vannice  
View One, Inc.  
Steve A. Walker & Associates\*  
Ralph Weber

### INVESTOR

Barbizon Electric  
Louis Bradfield\*  
EGI Event Production Services\*  
ETC  
Indianapolis Stage Sales & Rentals, Inc.\*

H&H Specialties, Inc.  
Ken Production Sevices Inc.  
Eddie Kramer  
McLaren Engineering Group  
Mountain Productions Inc.  
Texas Scenic Company

### SUPPORTER

AC Power Distribution  
American Society of Theatre Consultants  
Roy Bickel  
Bigger Hammer Production Services  
ELS / Entertainment Lighting Services  
Entertainment Structures Group  
Tony Giovannetti  
IATSE Local 514  
IATSE Local 728  
InCord  
Jones-Phillips Associates, LLC  
The Kentucky Center for the Performing Arts

Lightstream Design, LLC  
Musique Xpress Lights, Inc.\*  
Oasis Stage Werks  
See Factor Industry  
Stage Labor of the Ozarks  
Strohmeier Lighting, Inc.  
TOMCAT  
Total Structures\*  
Arjan van Vught  
Stephen Vanciel  
Vincent Lighting Systems\*

\*Investor for over 15 years

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