

PLASA Standards News

Late February 2012

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Table of Contents

| | |
|------------------------------------------------------------------------------|---|
| Three Rigging Standards in Public Review—and One Control Protocol..... | 1 |
| Two New PLASA Standards Published..... | 1 |
| New PLASA Standards Project..... | 2 |
| OSHA Respirator Videos Available..... | 2 |
| WTO Notifications..... | 2 |
| European Communities Notification EEC/248/EEC (EEC/248, Add.1, Corr.1) | 2 |
| Albania Notification ALB/53 | 3 |
| ANSI Public Review Announcements..... | 3 |
| Due 26 March 2012..... | 3 |
| Due 2 April 2012..... | 4 |
| Due 17 April 2012..... | 5 |
| IEC and ISO Draft International Standards..... | 5 |
| New ANS Projects..... | 5 |
| Final Actions on American National Standards..... | 7 |
| Newly Published ISO & IEC Standards..... | 7 |
| TSP Meeting Schedule..... | 8 |

Three Rigging Standards in Public Review—and One Control Protocol

Two more draft rigging standards have been posted on PLASA's public review page, bringing the total to three. The two newly-posted drafts are **BSR E1.6-2** and **BSR E1.39**, which cover electric chain hoists used in the entertainment industry and personal fall protection systems on portable structures respectively. They join **BSR E1.6-4**, which covers portable control systems for electric chain hoists (the subject of E1.6-2). The public reviews for E1.6-2 and E1.39 run through 23 April 2012; the reviews are over when the "Review End Date" of April 24 starts. The public review for E1.6-4 runs through 26 March; its review is over when the "Review End Date" of March 27 starts.

One new, draft control protocol standard has been posted: **BSR E1.37-2**. This is another part of the E1.37 project to define additional PIDs for RDM. In this draft standard, the PIDs are for configuring network interfaces and Domain Name System settings on devices with an IPv4 address. The review of E1.37-2 runs through April 23.

Visit http://tsp.plasa.org/tsp/documents/public_review_docs.php to access the draft standards.

Two New PLASA Standards Published

Two PLASA standards have been published since the last issue of Standards News:

ANSI E1.37-1 -2012, Additional Message Sets for ANSI E1.20 (RDM) – Part 1, Dimmer Message Sets, is part one of the E1.37 project to define additional get/set parameter messages (PIDs) for RDM. Most of the messages in this document are intended for monitoring and setting configuration parameters commonly found in theatrical dimming systems.

ANSI E1.41 - 2012, Recommendations for Measuring and Reporting Photometric Performance Data for Entertainment Luminaires Utilizing Solid State Light Sources, offers recommendations for measuring and reporting the output of LED luminaires used in the live entertainment industry. This industry needs unusually precise color and color rendering characterization, which this document provides. Current methods for luminaire output measurement assume the use of broad-band emitters, which LEDs are not, and do not deal well with characterizing the intensely colored light LEDs can produce. The standard uses the CQS color rendering quality scale developed by the National Institute of Standards and Technology.

Both standards are available for purchase from The ESTA Foundation by visiting <http://www.estafoundation.org/pubs.htm> and following the links. The documents are \$30 each for PLASA members and \$40 for non-members. Quantity discounts are available. Purchases from The ESTA Foundation help support the Foundation as well as PLASA's Technical Standards Program.

New PLASA Standards Project

The Technical Standards Council has approved a new Control Protocols project, BSR E1.45 - 201x, Transport of IEEE 802 data frames over ANSI E1.11 (DMX512-A). The proposed standard will define a minimal method to transport IEEE 802 data frames over ANSI E1.11 physical links using an Alternate START Code. The primary motivation is to allow communication of 802 data to luminaires over a DMX512-A datalink for data transmission from those luminaires using Visible Light Communication, IEEE 802.15.7. However, this standard may be used to transport any 802 data for any purpose.

The project is needed because VLC shows promise for wirelessly distributing data from luminaires using visible light—not WiFi or infrared. In museums, info-tainment venues, and others, those luminaires might be part of a lighting system being controlled by ANSI E1.11 (DMX512-A). This creates a need for specifying how to get data appropriate to VLC to luminaires over an E1.11 lighting control network while preserving the functionality of that network for controlling lights in a conventional manner.

Anyone materially affected by this project and interested in contributing to it may do so by either participating in future public reviews of the draft standard or by joining the Control Protocols Working Group. Future public reviews will be announced in *Standards News* and posted at http://tsp.plasa.org/tsp/documents/public_review_docs.php. Information about joining working groups is available at http://tsp.plasa.org/tsp/working_groups/index.html. Voters in PLASA's Technical Standards Program are required to attend meetings and to vote on letter ballots. The CPWG is particularly interested in new voting members who would be in the dealer/rental company or designer interest categories.

OSHA Respirator Videos Available

The Occupational Safety and Health Administration has posted on the Web 17 videos to help workers learn about the proper use of respirators on the job. The short videos—nine in English and eight in Spanish—provide information to workers in general industry and construction, and cover respirator use, training, fit-testing, and detecting counterfeit respirators. The videos are available with closed captioning for streaming or download from OSHA's Web site at http://www.osha.gov/video/respiratory_protection/index.html. OSHA's page on respiratory protection (<http://www.osha.gov/SLTC/respiratoryprotection/index.html>) offers additional training materials, information about occupational respiratory hazards in different industries, and details of OSHA's Respiratory Protection Standard (29 CFR 1910.134 and 29 CFR 1926.103).

WTO Notifications

The U.S. Department of Commerce's service, Notify U.S., recently has announced notifications of WTO Technical Barriers to Trade that may be of interest to *Standards News* readers.

European Communities Notification EEC/248/EEC (EEC/248, Add.1, Corr.1)

Date issued: 13 February 2012

Corrigendum type: Addendum

Correction type: Correction with full text

Corrigendum: The European Union would like to inform the WTO Members that the European Parliament (EP) has adopted a second reading position on the proposal for a Directive of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE) (Recast) (COM(2008) 810 final) on 19 January 2012.

Full text:

[https://tsapps.nist.gov/notifyus/docs/wto_country/EEC/corrigenda/pdf/EEC248_add_2\(english\).pdf](https://tsapps.nist.gov/notifyus/docs/wto_country/EEC/corrigenda/pdf/EEC248_add_2(english).pdf)

Albania Notification ALB/53

Date issued: 16 February 2012

Agency responsible: Ministry of Environment, Forests and Administration of Water

National inquiry point: General Directorate for Standardization

Products covered: Substances and chemical preparations list

Title: Draft Decision of Council of Ministers "On Approval of List of Substances and Chemical Preparations, Production, Placing on the Market and Whose Usage is Limited or Prohibited"

Description of content: This Draft Decision of Council of Ministers approves the list of substances and chemical preparations, production, placing on the market and whose usage is limited or prohibited.

Objective and rationale: Protection of humans, animal's health and the environment.

Relevant documents: Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 (Annex XVII) and Albanian Law No. 9108, dated 17 July 2003 "On substances and chemical preparations"

Proposed date of adoption: 1 February 2012 [*sic. 15 days before the notice was filed.*]

Proposed date of entry into force: 1 April 2012

Final date for comments: 16 April 2012 [*sic. 15 days after it comes into force.*]

Full text: None provided.

Notify U.S. suggests that US businesses send comments to notifyus@nist.gov at least three business days before the closing date. Include the following information:

- Your name
- Company name
- Contact name at company name
- Date submitted
- Notification commented on (number and title)
- Issue statement: The reason you are submitting comments should be stated clearly and should focus on the technical aspects. If you would have trouble meeting a deadline, indicate when you could comply.
- Supporting rationale statement: You should provide a rationale to support your issue statement. Focus on the technical aspects of the proposed regulation with which you may have issues.

Notify U.S. does not offer advice on what non-US businesses should do about WTO TBT notices that they find objectionable. If you are not a US citizen and know what your nation's procedure is, please tell the editors of *Standards News* so they can inform others.

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 the Board of Standards Review at the American National Standards Institute, psa@ansi.org.

Due 26 March 2012

BSR/ASA S3/SC1.100-201x /BSR/ASA S12.100-201x, Method to Define and Measure the Background Sound in Quiet Areas (new standard)

This standard comprises a part of a group of definitions, standards, and specifications for use in the field of environmental acoustics as it affects both humans and animals.

Order from and send comments to: Susan Blaeser, sblaeser@aip.org

Single copy price: \$120.00

BSR/ASME B30.16-2007, Overhead Hoists (Underhung) (revision of ANSI/ASME B30.16-2007)

Includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of hand chain-operated chain hoists and electric and air-powered chain and wire rope hoists used for, but not limited to, vertical lifting and lowering of freely suspended, unguided loads which consist of equipment and materials.

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

Send comments to: Kathryn Hyam, hyamk@asme.org

Single copy price: Free

BSR/AWS B2.1-1-210-201x, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1 and ER70S-2, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)

Contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1-1/2 inch, using manual gas tungsten arc welding with consumable insert root. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This WPS was developed primarily for pipe applications.

Order from: Rosalinda O'Neill, roneill@aws.org

Send comments to: Andrew Davis, adavis@aws.org

Single copy price: \$25.00

BSR/AWS B2.1-1-211-201x, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1, ER70S-2, and E7018, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)

Contains the essential welding variables for carbon steel in the thickness range of 1/8 through 1-1/2 inch, using manual gas tungsten arc welding with consumable insert root, followed by shielded metal arc welding. This standard cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and the allowable joint designs for groove welds. This WPS was developed primarily for pipe applications.

Order from: Rosalinda O'Neill, roneill@aws.org

Send comments to: Andrew Davis, adavis@aws.org

Single copy price: \$25.00

BSR/ITSDF B56.1-201x, Safety Standard for Low Lift and High Lift Trucks (revision of ANSI/ITSDF B56.1-2009)

Defines the safety requirements relating to the elements of design, operation, and maintenance of low-lift and high-lift powered industrial trucks controlled by a riding or walking operator, and intended for use on compacted, improved surfaces.

Order from and send comments to: Chris Merther, itsdf@earthlink.net

Single copy price: Free

Due 2 April 2012

BSR/AHRI Standard 1270 (I-P)-201x, Requirements for Seismic Qualification of HVACR Equipment (new standard)

This standard describes the methods for equipment qualification and the process to determine equipment Seismic Capacity. [*This looks like an inch-pound version of BSR/AHRI 1271 (SI).*]

Order from and send comments to: Daniel Abbate, dabbate@ahrinet.org

Single copy price: Free

BSR/AHRI Standard 1271 (SI)-201x, Requirements for Seismic Qualification of HVACR Equipment (new standard)

This standard describes the methods for equipment qualification and the process to determine equipment Seismic Capacity. [*This looks like an SI version of BSR/AHRI 1270 (I-P).*]

Order from and send comments to: Daniel Abbate, dabbate@ahrinet.org

Single copy price: Free

BSR/ASA S1.17/Part 1-200x, Microphone Windscreens - Part 1: Test Procedures for Measurements of Insertion Loss in Still Air (revision of ANSI S1.17/Part 1-2004)

This standard describes test procedures for determining the insertion loss of windscreens mounted on measurement microphones. Insertion loss is determined over a specified frequency range and for still-air conditions in the test facility.

Order from and send comments to: Susan Blaeser, sblaeser@aip.org

Single copy price: \$120.00

BSR B11.3-201X, Safety Requirements for Power Press Brakes (revision of ANSI B11.3-2002 (R2007))

The requirements of this standard apply to those machine tools classified as power press brakes (hereinafter referred to simply as 'press brakes'), which are designed and constructed for the specific purpose of bending material. The requirements of this standard also apply to powered folding machines.

Order from and send comments to: David Felinski, dfelinski@b11standards.org

Single copy price: \$50.00

Due 17 April 2012

BSR/ASSE A10.38-201X, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment (revision of ANSI/ASSE A10.38-2000 (R2007))

This standard establishes the minimum elements of a program for protecting the safety and health of employees involved in construction and demolition activities.

Order from and send comments to: Timothy Fisher, TFisher@ASSE.org

Single copy price: \$50.00

IEC and ISO Draft International Standards

The International Electrotechnical Commission (IEC) and the International Organization for Standardization (ISO) are considering the following documents for approval. The documents are available from your nation's representative organization to the IEC and ISO. Comments should be sent via your representative before the deadline date shown. Comments from citizens of the United States of America on IEC drafts should be sent to Charles T. Zegers at czegers@ansi.org. Comments from Americans on ISO drafts should be sent to Karen Hughes at isot@ansi.org. Price, when shown, is for purchasing the document from ANSI's standards store.

ISO/DIS 15781, Photography - Digital cameras - Measuring shooting time lag, shutter release time lag, shooting rate, and start-up time – 2 May 2012, \$88.00

ISO/IEC 24764/DAmD1, Information technology - Generic cabling systems for data centres - Draft Amendment 1 – 1 May 2012, \$107.00

ISO/IEC DIS 18046-3, Information technology - Radio frequency identification device performance test methods - Part 3: Test methods for tag performance – 4 March 2012, \$125.00

ISO/IEC DIS 18047-6, Information technology - Radio frequency identification device conformance test methods - Part 6: Test methods for air interface communications at 860 MHz to 960 MHz – 4 March 2012, \$134.00

New ANS Projects

ANSI has announced the following new projects that might materially affect *Standards News* readers. Please contact the person listed if you are interested in more information or in becoming involved. You also may contact the developer if you object to the project and wish it to be abandoned, or if you would like to point out that its scope is covered by an existing standard, so the project might be redundant or conflicting.

BSR INCITS/ISO/IEC 17203-201x, Information technology – Open Virtualization Format (OVF) specification (identical national adoption of ISO/IEC 17203:2011)

The Open Virtualization Format (OVF) Specification describes an open, secure, portable, efficient and extensible format for the packaging and distribution of software to be run in virtual machines. Contact: Deborah Spittle, dspittle@itic.org

BSR/APA PRG 320-201x, Standard for Performance-Rated Cross-Laminated Timber (revision of ANSI/APA PRG 320-2011)

Covers the manufacturing, qualification, quality assurance, and installation requirements for cross-laminated timber products. Contact: Borjen Yeh, borjen.yeh@apawood.org

BSR/ASA S12.62-201x/ISO 9613-2-1996 (MOD), Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (a modified nationally adopted international standard) (national adoption with modifications of ISO 9613-2:1996)

This part specifies an engineering method for calculating the attenuation of sound during propagation outdoors in order to predict the levels of environmental noise at a distance from a variety of sources. The method predicts the equivalent continuous A-weighted sound pressure level under meteorological conditions favorable to propagation from sources of known sound emission. Project Need: It would be most useful if the USA has a national standard on sound propagation and well defined algorithms use to estimate levels outdoors. Contact: Susan Blaeser, sblaeser@aip.org

BSR/AWS C4.5M-201x, Uniform Designation System for Oxyfuel Nozzles (revision of ANSI/AWS C4.5M-2006)

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). Contact: Rosalinda O'Neill, roneill@aws.org

BSR/AWS C5.10/C5.10M-201x, Recommended Practices for Shielded Gases for Welding and Cutting (revision of ANSI/AWS C5.10/C5.10M-2003)

Concerned with six industrial gases: argon (Ar), carbon dioxide (CO₂), helium (He), hydrogen (H), nitrogen (N), and oxygen (O). Properties, uses, safe handling, distribution, mixtures and effects on arc characteristics and welds are presented for flux cored arc welding (FCAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), electrogas welding (EGW), plasma arc welding (PAW), plasma arc cutting (PAC), laser welding (LW) and laser cutting (LC). Contact: Rosalinda O'Neill, roneill@aws.org

BSR/IAPMO S1001-201x, Solar Water Heating Systems (new standard)

This standard will establish procedures for evaluating solar water heating systems in accordance with solar industry-accepted best design practices for solar collector configuration, piping configuration, valve selection and placement, installation procedures, reliability and safety. Project Need: Solar water heating systems are used throughout the world. In the US, no consensus standard exists which provides a basis for certification of solar water heating systems. Contact: Abraham Murra, Abraham.murra@iapmort.org

BSR/NISO Z39.98-201x, Authoring and Interchange Framework for Adaptive XML Publishing Specification (new standard)

This specification details the nature of the Authoring and Interchange Format profiles and how they are created. These profiles use XML markup languages to represent different kinds of information resources (books, periodicals, etc.), with the intent of producing documents suitable for transformation into different universally accessible formats. Contact: Cynthia Hodgson, hodgsonca@verizon.net

BSR/NISO Z39.99-201x, Specification for Web Resource Synchronization (new standard)

This project will result in a new standardized specification that will allow for the real-time synchronization of web resources housed in separate repositories. Building on strategies for synchronizing metadata (OAIPMH), this project will enhance that specification using modern web technologies, but will allow for the synchronization of the objects themselves, not just their metadata. Contact: Cynthia Hodgson, hodgsonca@verizon.net

Final Actions on American National Standards

The actions noted below have been approved by the ANSI Board of Standards Review or by an ANSI-Audited Designator. Final actions can include withdrawals as well as the adoption of new standards and the revision or reaffirmation of existing standards.

ANSI/ASHRAE Addendum 105a-2011, Standard Methods of Measuring and Expressing Building Energy Performance (addenda to ANSI/ASHRAE Standard 105-2007): 26 January 2012

ANSI/ASHRAE Addendum 105b-2012, Standard Methods of Measuring and Expressing Building Energy Performance (addenda to ANSI/ASHRAE Standard 105-2007): 26 January 2012

ANSI/ASHRAE Addendum n to 135.1-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009): 26 January 2012

ANSI/ASHRAE Addendum l Standard 135.1-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009): 26 January 2012

ANSI/ASHRAE/IES Addendum a to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum cg to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum o to Standard 90.1-2020, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum p to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum s to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum y to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/IES Addendum z to Standard 90.1-2012, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IESNA Standard 90.1-2010): 26 January 2012

ANSI/ASHRAE/USGBC/IES Addendum 189.1ac-2012, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 26 January 2012

ANSI/ASHRAE/USGBC/IES Addendum 189.1ab-2020, [*sic, the year is listed as 2020.*] Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2009): 26 January 2012

INCITS/ISO/IEC 14882-2012, Information technology – Programming language - C++ (identical national adoption of ISO/IEC 14882:2011): 14 February 2012

Newly Published ISO & IEC Standards

Listed here are standards and technical reports recently approved by ISO (the International Organization for Standardization) and the IEC (the International Electrotechnical Commission). The prices shown are those if purchased from the ANSI Electronic Standards Store at <http://webstore.ansi.org/>. The prices may be lower or higher with other vendors.

ISO 3864-3:2012, Graphical symbols - Safety colours and safety signs - Part 3: Design principles for graphical symbols for use in safety signs, \$116.00

ISO 20347:2012, Personal protective equipment – Occupational footwear, \$116.00

ISO/IEC 13211-1/Cor2:2012, Information technology – Programming languages - Prolog - Part 1: General core - Corrigendum 2, FREE

ISO/IEC/IEEE 21451-7:2012, Information technology – Smart transducer interface for sensors and actuators - Part 7: Transducer to radio frequency identification (RFID) systems communication protocols and Transducer Electronic Data Sheet (TEDS) formats, \$193.00

TSP Meeting Schedule

The Stage Lifts Working Group is scheduled to meet by Webex from 15:00 to 18:00 Eastern Time on the second Monday of every month, except when it's not. For more information, contact Martin Moore at martinmoore2010@gmail.com.

The meetings shown in the table immediately below will be held at the Westin Long Beach Hotel in conjunction with the USITT Conference and Stage Expo.

| | | |
|---------------------------------------|---------------|-----------------------------------------|
| Control Protocols BSR E1.33 Mo RDM TG | 13:00 - 19:00 | Saturday 31 March 2012 [new day & time] |
| Control Protocols Working Group | 09:00 - 13:00 | Thursday 29 March 2012 |
| Electrical Power Working Group | 09:00 - noon | Wednesday 28 March 2012 |
| Floors Working Group | 08:00 - 11:00 | Saturday 31 March 2012 |
| Rigging Working Group | 19:00 - 23:00 | Friday 30 March 2012 |
| Rigging BSR E1.6-1 Powered Winch TG | 09:00 - 17:00 | Wednesday 28 March 2012 |
| Rigging BSR E1.6-2 Chain Hoist TG | 08:30 - 11:00 | Friday 30 March 2012 |
| Rigging BSR E1.43 Performer Flying TG | 19:00 - 23:00 | Wednesday 28 March 2012 |
| | 09:00 - 13:00 | Thursday 29 March 2012 |
| Technical Standards Council | 13:00 - 17:00 | Wednesday 28 March 2012 |

The meetings listed below will be held at the Hilton New York in conjunction with the NATEAC conference.

| | | |
|---------------------------------|---------------|-----------------------|
| Control Protocols Working Group | 09:00 – 13:00 | Saturday 21 July 2012 |
| Electrical Power Working Group | 14:00 – 18:00 | Friday 20 July 2012 |
| Rigging Working Group | 13:00 – 18:00 | Thursday 19 July 2012 |
| Technical Standards Council | 09:00 – 13:00 | Friday, 20 July 2012 |

PLASA Standards News

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

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