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American National Standards

Call for comment on proposals listed

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section(s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

Comment Deadline: June 4, 2017

HI (Hydraulic Institute)

Revision

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of ANSI/HI 11.6-2012)

This standard applies to customer acceptance testing of submersible pumps driven by induction motors, unless otherwise agreed or specified. A submersible pump is defined as a close-coupled pump/motor unit designed to operate submerged in the pumped liquid.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Tori Serazi, (973) 267-9700, tserazi@pumps.org

NSF (NSF International)

Revision

BSR/NSF 50-201x (i125r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

This Standard covers materials, components, products, equipment and systems, related to public and residential recreational water facility operation.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Laruren Panoff, lpnoff@nsf.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i63r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i64r1), Dietary Supplements (revision of ANSI/NSF 173-2007)

The purpose of NSF/ANSI 173 is to serve as an evaluation tool for analyzing dietary supplements. Certification to this Standard serves as a communication tool between manufacturers of ingredients and finished product, retailers, healthcare practitioners, and consumers. This Standard provides test methods and evaluation criteria to allow for the determination that a dietary supplement contains the ingredients claimed on the label, either qualitatively or quantitatively, and that it does not contain specific undeclared contaminants. In some instances, validated laboratory methods are not yet available for analyzing certain ingredients.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Rachel Brooker, (734) 827-6866, rbrooker@nsf.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 401-201x, Standard for Safety for Portable Spray Hose Nozzles for Fire-Protection Service (revision of ANSI/UL 401-2014)

(1) Inlet pressure ratings; (2) Revisions to clarify requirements and update testing details.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Mark Ramlochan, (613) 368-4422, Mark.Ramlochan@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1581-201X, Standard for Safety for Reference Standard for Electrical Wires, Cable, and Flexible Cords (Proposals dated 5/5/17) (revision of ANSI/UL 1581-2016)

ICP Test Method, New 492.8.1; Revised 492.2, 492.3, 492.7, 492.8, 492.9.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1703-201x, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)

(1) Addition of an alternative factory wet insulation-resistance test to the current factory dielectric voltage-withstand test for production line tests; (2) Revision to require a marking to differentiate model groups with different power ratings.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Susan Malohn, (847) 664-1725, Susan.P.Malohn@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 62841-2-4-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other than Disk Type (revision of ANSI/UL 62841-2-4-2015)

(1) Proposed revision to Table 4, Required Performance Levels, to align with changes in IEC Corrigendum 1 of IEC 62841-2-4.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 62841-2-9-201x, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-9: Particular Requirements for Hand-Held Tappers and Threaders (revision of ANSI/UL 62841-2-9-2016)

(1) Proposed revision to Table 4, Required Performance Levels, in clause 18 and clause K.18 to align with changes in IEC Corrigendum 1 of IEC 62841-2-9.

[Click here to view these changes in full](#)

Send comments (with copy to psa@ansi.org) to: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

Comment Deadline: June 19, 2017

AAMI (Association for the Advancement of Medical Instrumentation)

New Standard

BSR/AAMI SW91-201x, Classification of Defects in Health Software (new standard)

This document identifies a defect classification system that can be used for classifying the type of defects that may be introduced during the development and maintenance of software, and that may be the cause of or associated with failures identified in software. This document identifies defects that occur during all phases of the software and product development lifecycles. It does not attempt to describe methodologies for analyzing root cause, managing defect resolution, or assigning risk.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/kws/public/document?document_id=11747&wg_abbrev=PUBLIC_REV

Order from: https://standards.aami.org/kws/public/document?document_id=11747&wg_abbrev=PUBLIC_REV

Send comments (with copy to psa@ansi.org) to: wvargas@aami.org

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR 2014-25-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review existing GM and revise as appropriate in light of ADB-2014-03 re notification(s) required prior to certain construction-related events. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR 2015-02-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review existing GM and modify as appropriate in light of Amendment 192 - 119. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR 2015-24-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Provide guidance under 192.605 that operators' O&M manual include procedures to address the discovery of documents which indicate elements operating in excess of the pipeline segment's MAOP, what actions are to be considered including whether that constitutes a Safety Related Condition.

The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR 2016-09-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review GM 4.1 to address Executive's concern resulting from TR 2012-18 that there may be an issue regarding what are "acceptable" mitigation methods. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)

Addenda

BSR GPTC Z380.1-2015 TR 2016-19-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review GM 192.616 to determine if the use of social media should be part of the Public Awareness communication method. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2015 TR 2016-20-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review GM 7 under 192.617 to address report for gas explosion and subsequent fire, New York City, New York concludes that a second crack on the outlet of the service tee was caused by post incident excavation. This was done when uncovering the suspected source of the leak that caused the incident. Post-accident excavation extra care should be taken to preserve the failed specimen. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2015 TR 2016-37-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Review and revise as appropriate GM on crossbores. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2015 TR 2016-38-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Confirm that re-positioning the sentence does not change the intent. The standard provides guidance to operators of natural gas and LP pipeline systems regulated under U.S. CFR 49, Parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

AGA (ASC Z380) (American Gas Association)**Addenda**

BSR GPTC Z380.1-2015 TR 2017-11-201x, Guide for Gas Transmission, Distribution, and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1 -2015 Edition)

Removal of a sentence for consistency in Editorial notes. The standard provides guidance to operators of natural gas and LP Pipeline systems regulated under U.S. CFR 49 parts 191 and 192.

Single copy price: Free

Obtain an electronic copy from: www.aga.org/gptc

Order from: Michael Bellman, (202) 824-7183, mbellman@aga.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**New Standard**

BSR/ASTM WK47007-201x, Specification for Impact Attenuation of Turf Playing Systems Designated for Rugby as Measured in the Field (new standard)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM D7618-2013 (R201x), Specification for Ethyl Tertiary-Butyl Ether (ETBE) for Blending with Aviation Spark-Ignition Engine Fuel (reaffirmation of ANSI/ASTM D7618-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Reaffirmation**

BSR/ASTM F609-2013 (R201x), Test Method for Using a Horizontal Pull Slipmeter (HPS) (reaffirmation of ANSI/ASTM F609-2013)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F1965-201x, Test Method for Performance of Deck Ovens (revision of ANSI/ASTM F1965-2006 (R2010))

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F2440-201x, Specification for Indoor Wall/Feature Padding (revision of ANSI/ASTM F2440-2011)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F2474-201x, Test Method for Heat Gain to Space Performance of Commercial Kitchen Ventilation/Appliance Systems (revision of ANSI/ASTM F2474-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F2479-201x, Guide for Specification, Purchase, Installation and Maintenance of Poured-In-Place Playground Surfacing (revision of ANSI/ASTM F2479-2012)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F2508-201x, Practice for Validation, Calibration, and Certification of Walkway Tribometers Using Reference Surfaces (revision of ANSI/ASTM F2508-2016)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

ASTM (ASTM International)**Revision**

BSR/ASTM F3077-201x, Specification for Eye Protectors for Womens Lacrosse (revision of ANSI/ASTM F3077-2014)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

Order from: Corice Leonard, (610) 832-9744, accreditation@astm.org

Send comments (with copy to psa@ansi.org) to: Same

AWS (American Welding Society)**Revision**

BSR/AWS C7.4/C7.4M-201X, Process Specification and Operator Qualification for Laser Beam Welding (revision of ANSI/AWS C7.4/C7.4M-2008)

This specification covers the preparation, processing, and quality control requirements for laser beam welding. Welding equipment includes Gas Lasers (CO₂) and SolidState Lasers (Nd:YAG, Yb:YAG, Nd:Glass, Diode, Ruby, Disk, and Fiber) in both pulsed, continuous power (CW) and quasi-continuous (QCW) output as defined in AWS A3.0/A3.0, Standard Welding Terms and Definitions. Tutorial information regarding techniques of welding or details of equipment setup or operation is beyond the scope of this specification.

Single copy price: \$68.00

Obtain an electronic copy from: pportela@aws.org

Order from: Peter Portela, (800) 443-9353, pportela@aws.org

Send comments (with copy to psa@ansi.org) to: Same

AWS (American Welding Society)**Revision**

BSR/AWS D15.1/D15.1M-201X, Railroad Welding Specification for Cars and Locomotives (revision of ANSI/AWS D15.1/D15.1M-2012)

This specification establishes minimum welding standards for the manufacture and maintenance of railcars, locomotives, and their components, intended for North American railroad service. Clauses 4 through 17 cover the general requirements for welding in the railroad industry. Clauses 18 through 24 cover specific requirements for the welding of base metals thinner than 1/8 in [3 mm].

Single copy price: \$72.00

Obtain an electronic copy from: jrosario@aws.org

Order from: Jennifer Rosario, (800) 443-9353, jrosario@aws.org

Send comments (with copy to psa@ansi.org) to: adavis@aws.org

AWWA (American Water Works Association)**New Standard**

BSR/AWWA C231-201x, Field Welding of Stainless Steel Water Pipe (new standard)

This standard describes manual, semiautomatic, and automatic field welding by the metal arc-welding processes for stainless steel potable water, wastewater, and reclaimed water pipe manufactured in accordance with AWWA C220. This standard describes field welding of two types of circumferential pipe joints: lap joints and butt joints. This standard also applies to other welding required in field fabrication and installation of specials and appurtenances.

Single copy price: \$20.00

Obtain an electronic copy from: vdavid@awwa.org

Order from: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

Send comments (with copy to psa@ansi.org) to: Same

CTA (Consumer Technology Association)**Reaffirmation**

BSR/CTA 708.1-2012 (R201x), Closed Captioning for 3D Video (reaffirmation of ANSI/CTA 708.1-2012)

This standard describes how to encode closed captioning for 3D video in CEA-708 caption services.

Single copy price: \$58.00

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

Send comments (with copy to psa@ansi.org) to: Same

ECIA (Electronic Components Industry Association)**New Standard**

BSR/EIA 225-A-201x, Rigid coaxial transmission lines 50 Ohms (new standard)

This standard pertains exclusively to gas-filled rigid coaxial transmission lines and connectors. This standard does not apply to any semi-flexible transmission lines or connectors. This standard provides complete mechanical interchangeability for all lines and connectors. The drawings referred to in the standard do not restrict electrical design parameters; the drawings define the necessary mechanical limits necessary for mechanical interchangeability.

Single copy price: \$100.00

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

ECIA (Electronic Components Industry Association)**New Standard**

BSR/EIA 973-201x, Specification for M12 Hybrid (Data and Power) Circular Connector (new standard)

This specification contains the connector types specified for M12 hybrid (data and power) circular connectors, typically use for automation applications and data/communications in industrial premises.

Single copy price: \$88.00

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with copy to psa@ansi.org) to: Ed Mikoski, emikoski@ecianow.org

ESTA (Entertainment Services and Technology Association)**New Standard**

BSR E1.58-201x, Electrical Safety Standard for Portable Stage and Studio Equipment Used Outdoors (new standard)

The scope of this standard is to identify hazards associated with the outdoor use of portable stage and studio lighting equipment and portable power distribution equipment that is not identified (listed) for outdoor use, and to recommend practices for qualified personnel to mitigate such hazards at outdoor entertainment events and media production sites in the United States.

Single copy price: Free

Obtain an electronic copy from: http://tsp.esta.org/tsp/documents/public_review_docs.php

Order from: Karl Ruling, (212) 244-1505, standards@esta.org

Send comments (with copy to psa@ansi.org) to: Same

PMI (Project Management Institute)**Revision**

BSR/PMI 08-002-201X, The Standard for Program Management - Fourth Edition (revision of ANSI/PMI 08-002-2012)

The Standard for Program Management, Fourth Edition, provides guidelines for managing programs within an organization. It defines program management (a collection of projects) and related concepts, describes the program management life cycle and outlines related processes. A cover-to-cover revision is planned for continuous improvement and to address needed modifications.

Single copy price: Free

Obtain an electronic copy from: lorna.scheel@pmi.org

Order from: Lorna Scheel, (313) 404-3507, lorna.scheel@pmi.org

Send comments (with copy to psa@ansi.org) to: Same

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**New National Adoption**

BSR/RESNA WC-4-201x, RESNA Standard for Wheelchairs - Volume 4: Wheelchairs and Transportation (national adoption of ISO 10865-1:2012 with modifications and revision of ANSI/RESNA WC Volume 4-2012)

This standard will include design and performance requirements, test methods, and requirements for manufacturer's literature and product labeling for wheelchairs, wheelchair-seating systems, and WTORS, intended for use in all motor vehicles, as well as for wheelchair spaces installed on large accessible transit vehicles.

Single copy price: \$600.00

Obtain an electronic copy from: ymeding@resna.org

Order from: Yvonne Meding, (703) 524-6686, YMeding@resna.org

Send comments (with copy to psa@ansi.org) to: Same

UL (Underwriters Laboratories, Inc.)**New Standard**

BSR/UL 2900-2-1-201X, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (new standard)

UL proposes the first edition of the Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems, UL 2900-2-1

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

UL (Underwriters Laboratories, Inc.)**Revision**

BSR/UL 1008A-201x, Standard for Safety for Medium-Voltage Transfer Switches (revision of ANSI/UL 1008A-2012)

The following topics for the Standard for Transfer Switch Equipment - Over 1000 Volts, C22.2 No. 178.3/UL 1008A, are being recirculated:

Publication of Standard UL 1008A as a harmonized standard.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000

Send comments (with copy to psa@ansi.org) to: Valara Davis, (919) 549-0921, Valara.Davis@ul.com

WMA (World Millwork Alliance)**Revision**

BSR/WMA 100-201x, Standard Method of Determining Structural Performance Ratings of Side-Hinged Exterior Door Systems and Procedures for Component Substitution (revision of ANSI/WMA 100-2016)

Proposed revisions to the ANSI/WMA 100-2016 from WMA's Industry Standards and Certification Committee (ISCC) are being considered for this revision cycle. Additional comments are welcome from the public. The WMA 100 provides a method to obtain a structural design pressure rating for a side-hinged exterior door system (SHEDS) using the ASTM E330 test method. Once a rating is obtained, the standard defines methods for qualifying door system components for substitution in the rated system. Slab stiffness testing is used and outlined in this standard as a means to qualify components.

Single copy price: Free

Obtain an electronic copy from: mail@worldmillworkalliance.com

Order from: Jessica Ferris, (727) 372-3665, jferris@worldmillworkalliance.com

Send comments (with copy to psa@ansi.org) to: Same

Comment Deadline: July 4, 2017**ANS (American Nuclear Society)****New Standard**

BSR/ANS 19.4-201x, A Guide for Acquisition and Documentation of Reference Power Reactor Physics Measurements for Nuclear Analysis Verification (new standard)

This standard specifies and provides requirements for the reference measurements of reactor geometry, reactivity, and operation parameters in light water power reactors. The measurement data are used in the verification of reactor physics computational methods used for nuclear core designs and analyses. The standard identifies the types of parameters, a brief description of test conditions and experimental data required for such reference measurements, problems and concerns which may affect the accuracy or interpretation of the data, and criteria to be used in documenting the results of reference measurements.

Single copy price: \$25.00

Obtain an electronic copy from: scook@ans.org

Order from: scook@ans.org

Send comments (with copy to psa@ansi.org) to: pschroeder@ans.org

ASME (American Society of Mechanical Engineers)**Reaffirmation**

BSR/ASME B89.6.2-1973 (R2012), Temperature and Humidity Environment for Dimensional Measurement (reaffirmation of ANSI/ASME B89.6.2-1973 (R2012))

This standard is intended to fill industry's need for standardized methods of:

- (a) Describing and testing temperature-controlled environments for dimensional measurements, and
- (b) Assuring itself that temperature control is adequate for the calibration of measuring equipment, as well as the manufacture and acceptance of workpieces.

Single copy price: \$32.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Remington Richmond, (212) 591-8404, richmondr@asme.org

ASME (American Society of Mechanical Engineers)**Reaffirmation**

BSR/ASME PTC 19.22-2007 (R201x), Data Acquisition Systems (reaffirmation of ANSI/ASME PTC 19.22-2007 (R2012))

The scope of this Code includes signal conditioning, signal multiplexing, analog-to-digital signal conversion, and data processing. This Code addresses stand-alone data acquisition systems, typified by a sensor with an integral digital display, data acquisition systems that link multiple sensors to a common digital processor tied to a computer or printer, and systems that link multiple digital processors to one or more stand-alone or networked computers.

Single copy price: \$105.00

For Reaffirmations and Withdrawn standards, please view our catalog at <http://www.asme.org/kb/standards>.

Send comments (with copy to psa@ansi.org) to: Teodor Lazar, (212) 591-8544, lazart@asme.org

ASME (American Society of Mechanical Engineers)**Revision**

BSR/ASME B30.16-201x, Overhead Underhung and Stationary Hoists (revision of ANSI/ASME B30.16-2012)

Volume B30.16 includes provisions that apply to the construction, installation, operation, inspection, testing, and maintenance of overhead underhung and stationary hoists including hand chain-operated, electric-powered and air-powered chain and wire rope hoists used for, but not limited to, vertical lifting and lowering of freely suspended, unguided loads that consist of equipment and materials. (See Figs. 16-0.1-1 through 16-0.1-6.) Requirements for a hoist that is used for a special purpose, such as, but not limited to, tensioning a load, non-vertical lifting service, lifting a guided load, lifting personnel, or drawing both the load and the hoist up or down the load chain or rope when the hoist is attached to the load, are not included in this volume.

Single copy price: Free

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kathryn Hyam, (212) 591-8521, hyamk@asme.org

Call for Members (ANS Consensus Bodies)

Directly and materially affected parties who are interested in participating as a member of an ANS consensus body for the standards listed below are requested to contact the sponsoring standards developer directly and in a timely manner.

AAMI (Association for the Advancement of Medical Instrumentation)

Office: 4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633

Contact: *Will Vargas*

Phone: (703) 647-2779

E-mail: wvargas@aami.org

BSR/AAMI SW91-201x, Classification of Defects in Health Software
(new standard)

ASA (ASC S3) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: *Neil Stremmel*

Phone: (631) 390-0215

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR ASA S3.13-201x, Mechanical Coupler for Measurement of Bone
Vibrators (revision of ANSI ASA S3.13-1987 (R2012))

BSR ASA S3/SC1.7-201x, Passive Acoustic Monitoring (new standard)

ASNT (American Society for Nondestructive Testing)

Office: 1711 Arlingate Lane
P.O. Box 28518
Columbus, OH 43228-0518

Contact: *Charles Longo*

Phone: (800) 222-2768 ext 241

Fax: (614) 274-6899

E-mail: clongo@asnt.org

BSR/ASNT ILI-PQ-201x, In-line Inspection Personnel Qualification and
Certification Standard (revision of ANSI/ASNT ILI-PQ-2005 (R2010))

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Hwy
Park Ridge, IL 60068

Contact: *Lauren Bauerschmidt*

Phone: (847) 768-3475

E-mail: lbauerschmidt@asse.org

BSR/ASSE Z15.3-201X, Safe Practices for the Operation of Automated
Vehicles (new standard)

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

BSR/CTA 708.1-2012 (R201x), Closed Captioning for 3D Video
(reaffirmation of ANSI/CTA 708.1-2012)

BSR/CTA 709.2-A-2000 (S201x), Control Network Power Line (PL)
Channel Specification (stabilized maintenance of ANSI/CTA 709.2-A
-2000 (R2012))

ECIA (Electronic Components Industry Association)

Office: 2214 Rock Hill Road
Suite 265
Herndon, VA 20170-4212

Contact: *Laura Donohoe*

Phone: (571) 323-0294

Fax: (571) 323-0245

E-mail: ldonohoe@ecianow.org

BSR/EIA 225-A-201x, Rigid coaxial transmission lines 50 Ohms (new
standard)

BSR/EIA 973-201x, Specification for M12 Hybrid (Data and Power)
Circular Connector (new standard)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: *Denielle Giordano*

Phone: (973) 267-9700 x115

E-mail: dgiordano@pumps.org

BSR/HI 9.6.7-201x, Effects of Liquid Viscosity on Rotodynamic Pump
Performance (revision of ANSI/HI 9.6.7-2015)

BSR/HI 9.6.9-201X, Rotary Condition Monitoring (revision of ANSI/HI
9.6.9-2013)

BSR/HI 11.6-201x, Rotodynamic Submersible Pumps (revision of
ANSI/HI 11.6-2012)

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448

Contact: *Conrad Jahrling*

Phone: (708) 995-3017

Fax: (708) 479-6139

E-mail: conrad.jahrling@asse-plumbing.org

BSR/ASSE 1091-201x, Performance requirements for contaminant reduction and compatibility of water filtration components (new standard)

RVIA (Recreational Vehicle Industry Association)

Office: 1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363

Contact: *Kent Perkins*

Phone: (571) 665-5872

E-mail: kperkins@rvia.org

BSR/RVIA TSIC-1-201x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008 (R2013))

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510

Contact: *Vernon (Wes) Lewis*

Phone: (757) 489-0787

E-mail: wlewis7@cox.net

BSR/NAAMM HMMA 801-2012 (R201x), Glossary of Terms for Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 801-2012)

BSR/NAAMM HMMA 866-2012 (R201x), Guide Specifications for Stainless Steel Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 866-2012)

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: *Lauren Panoff*

Phone: (734) 769-5197

E-mail: lpanoff@nsf.org

BSR/NSF 50-201x (i125r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)

BSR/NSF 173-201x (i63r1), Dietary Supplements (revision of ANSI/NSF 173-2016)

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

Office: 1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903

Contact: *Yvonne Meding*

Phone: (703) 524-6686

Fax: (703) 524-6630

E-mail: YMeding@resna.org

BSR/RESNA WC-4-201x, RESNA Standard for Wheelchairs - Volume 4: Wheelchairs and Transportation (national adoption of ISO 10865 -1:2012 with modifications and revision of ANSI/RESNA WC Volume 4-2012)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.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.

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B1.2-1983 (R2017), Gages and Gaging for Unified Inch Screw Threads (reaffirmation of ANSI/ASME B1.2-1983 (R2007)): 4/25/2017

Revision

ANSI/ASME B16.10-2017, Face-To-Face and End-To-End Dimensions of Valves (revision of ANSI/ASME B16.10-2009): 4/25/2017

ASSE (Safety) (American Society of Safety Engineers)

Revision

ANSI/ASSE Z15.1-2017, Safe Practices for Motor Vehicle Operations (revision of ANSI/ASSE Z15.1-2012): 4/25/2017

AWWA (American Water Works Association)

Revision

ANSI/AWWA G100-2017, Water Treatment Plant Operation and Management (revision of ANSI/AWWA G100-2011): 4/27/2017

CTA (Consumer Technology Association)

New Standard

* ANSI/CTA 2063-2017, Small Unmanned Aerial Systems Serial Numbers (new standard): 4/25/2017

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 469-E-2017, Standard Test Method for Destructive Physical Analysis (DPA) of Ceramic Monolithic Capacitors (revision and redesignation of ANSI/EIA 469-D-2006): 4/25/2017

ESTA (Entertainment Services and Technology Association)

New Standard

ANSI E1.47-2017, Entertainment Technology - Recommended Guidelines for Entertainment Rigging System Inspections (new standard): 4/28/2017

FM (FM Approvals)

New Standard

ANSI/FM 4881-2017, Evaluating Exterior Wall Systems (new standard): 4/25/2017

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Revision

ANSI/ASSE 1001-2017, Performance Requirements for Atmospheric Type Vacuum Breakers (revision of ANSI/ASSE 1001-2008): 4/25/2017

ITI (INCITS) (InterNational Committee for Information Technology Standards)

New National Adoption

INCITS/ISO 19150-2:2015~~(2017)~~, Geographic information - Ontology - Part 2: Rules for developing ontologies in the Web Ontology Language (OWL) (identical national adoption of ISO 19150-2:2015): 4/27/2017

INCITS/ISO 19103:2015~~(2017)~~, Geographic information - Conceptual schema language (identical national adoption of ISO 19103:2015): 4/27/2017

INCITS/ISO 19131:2007~~(2017)~~, Geographic information - Data product specifications (identical national adoption of ISO 19131:2007): 4/27/2017

INCITS/ISO 19162:2015~~(2017)~~, Geographic information - Well-known text representation of coordinate reference systems (identical national adoption of ISO 19162:2015): 4/27/2017

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

* ANSI ICEA S-86-634-2011 (R2017), Buried Distribution and Service Wire, Filled Polyolefin Insulated Copper Conductor (reaffirmation of ANSI/ICEA S-86-634-2011): 4/26/2017

UL (Underwriters Laboratories, Inc.)

New Standard

* ANSI/UL 110-2017, Standard for Sustainability for Mobile Phones (new standard): 3/24/2017

Reaffirmation

ANSI/UL 1040-2001 (R2017), Standard for Safety for Fire Test of Insulated Wall Construction (reaffirmation of ANSI/UL 1040-2001 (R2012)): 4/26/2017

ANSI/UL 1715-2003 (R2017), Standard for Safety for Fire Test of Interior Finish Material (reaffirmation of ANSI/UL 1715-2003 (R2013)): 4/27/2017

ANSI/UL 1978-2013 (R2017), Standard for Safety for Grease Ducts (reaffirmation of ANSI/UL 1978-2013): 4/28/2017

Revision

ANSI/UL 539-2017a, Standard for Safety for Single and Multiple Station Heat Alarms (revision of ANSI/UL 539-2009 (R2014)): 4/28/2017

ANSI/UL 1309-2017, Standard for Safety for Marine Shipboard Cable (Proposals dated 9/16/16) (revision of ANSI/UL 1309-2014): 4/21/2017

ANSI/UL 1309-2017a, Standard for Safety for Marine Shipboard Cable (Proposal dated 3/10/17) (revision of ANSI/UL 1309-2014): 4/21/2017

ANSI/UL 1739-2017, Standard for Safety for Pilot-Operated Pressure-Control Valves for Fire-Protection Service (revision of ANSI/UL 1739-2013): 4/28/2017

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. To view information about additional standards for which a PINS has been submitted and to search approved ANS, please visit www.NSSN.org, which is a database of standards information. Note that this database is not exhaustive.

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

ABMA (ASC B3) (American Bearing Manufacturers Association)

Office: 2025 M Street, NW
Suite 800
Washington, DC 20036-3309

Contact: James Converse

Fax: (919) 827-4587

E-mail: jconverse@americanbearings.org; jconverse1@nc.rr.com

BSR ABMA/ISO 15243-201x, Rolling bearings - Damage and failures - Terms, characteristics and causes (identical national adoption of ISO 15243-2017)

Stakeholders: Bearing manufacturers and users.

Project Need: To adopt the latest version of the ISO standard.

This international standard defines, describes, and classifies the characteristics, changes in appearance, and possible causes of failure of rolling bearings, occurring in service. It will assist in the understanding of the various forms of change in appearance and the failure that has occurred. Consideration is restricted to characteristic forms of change in appearance and failure, which have a well-defined appearance and which can be attributed to particular causes with a high degree of certainty. The features of particular interest for explaining changes and failures are described.

ASA (ASC S3) (Acoustical Society of America)

Office: 1305 Walt Whitman Road Suite 300
Melville, NY 11747

Contact: Neil Stremmel

Fax: (631) 923-2875

E-mail: asastds@acousticalsociety.org

BSR ASA S3.13-201x, Mechanical Coupler for Measurement of Bone Vibrators (revision of ANSI ASA S3.13-1987 (R2012))

Stakeholders: Hearing Aid industry, audiologists, audiometer manufacturers, calibration facilities involved in the calibration of audiometers.

Project Need: This edition will update the 1987 edition to reflect scientific advances. Revises standard to include other commercial devices available and changes standard to be a performance specification. Presently as written, it documents the design of a specific manufacturer's device only.

This Standard specifies requirements for mechanical couplers used for calibrating bone-conduction audiometers and for making measurements on bone vibrators and bone-conduction hearing aids, in the frequency range from 125 to 8000 Hz inclusive.

BSR ASA S3/SC1.7-201x, Passive Acoustic Monitoring (new standard)

Stakeholders: Regulatory agencies such as BOEM, scientists, regulators, and industries with regulatory mandates to monitor environmental impact who wish to analyze information about passive acoustic monitoring deployments.

Project Need: Recent expansion in the capabilities of passive acoustic monitoring of sound-producing animals and anthropogenic sounds is providing expansive data sets in many locations. Analyses of these data often span multiple analysts from various research groups over several years of effort and have begun to generate large amounts of scattered acoustic metadata. It has become imperative to standardize types of metadata being generated. A critical aspect of extracting useful information from such large and varied acoustic data sets is providing consistent and transparent access that can enable the integration of various analysis efforts. This is juxtaposed with the need to include new information for specific research questions that evolve over time.

The proposed standard will cover terms and definitions necessary to describe information derived from passive acoustic monitoring activities. This ranges from detection and characterization of biotic and abiotic signals as well as localizations derived from multiple audio streams. In addition, terms and definitions sufficient to characterize the instrumentation for productive use of such data (e.g., instrument location, sample rates, etc.) are covered.

ASABE (American Society of Agricultural and Biological Engineers)

Office: 2950 Niles Road
St Joseph, MI 49085

Contact: Jean Walsh

Fax: (269) 429-3852

E-mail: walsh@asabe.org

BSR/ASAE EP486.3-201x, Shallow Post and Pier Foundation Design (revision and redesignation of ANSI/ASAE EP486.2-2012)

Stakeholders: Design engineers, builders, soil testers, post frame building designers.

Project Need: Inclusion of a new procedure for estimating foundation lateral load capacity.

This engineering practice contains safety factors and other provisions for allowable stress design (ASD), which is also known as working stress design, and for load and resistance factor design (LRFD), which is also known as strength design. It also contains properties and procedures for modeling soil deformation for use in structural building frame analyses.

ASNT (American Society for Nondestructive Testing)

Office: 1711 Arlingate Lane
P.O. Box 28518
Columbus, OH 43228-0518

Contact: Charles Longo

Fax: (614) 274-6899

E-mail: clongo@asnt.org

BSR/ASNT ILI-PQ-201x, In-Line Inspection Personnel Qualification and Certification Standard (revision of ANSI/ASNT ILI-PQ-2005 (R2010))

Stakeholders: Oil & gas, environmental, government.

Project Need: Update current document to meet industry needs.

This Standard has been developed by the American Society for Nondestructive Testing, Inc., to establish minimum requirements for the qualification and certification of in-line inspection (ILI) personnel whose jobs require specific knowledge of the technical principles of ILI technologies, operations, regulatory requirements, and industry standards as applicable to pipeline systems.

ASSE (Safety) (American Society of Safety Engineers)

Office: 520 N. Northwest Hwy
Park Ridge, IL 60068

Contact: Lauren Bauerschmidt

E-mail: lbauerschmidt@asse.org

BSR/ASSE Z15.3-201X, Safe Practices for the Operation of Automated Vehicles (new standard)

Stakeholders: Safety and Health Professionals addressing the issue of fleet and operations management of automated vehicles, all stakeholders addressing the management of automated vehicles, manufacturers of such vehicles or companies and organizations providing supporting products and services.

Project Need: Based upon the consensus of the Z15 ASC, occupational safety and health professionals, and the ASSE leadership.

This ANSI/ASSE standard provides organizations with a document for the definition and development of policies, procedures, and management processes to assist in the control of risks and exposures associated with the operation of automated vehicles.

CSA (CSA Group)

Office: 8501 East Pleasant Valley Rd.
Cleveland, OH 44131

Contact: Cathy Rake

Fax: (216) 520-8979

E-mail: cathy.rake@csagroup.org

* BSR/LNG 3.3-201x, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve (identical national adoption of ISO 12614-3)

Stakeholders: Consumers, manufacturers, certifying agencies.

Project Need: Adopt standard for safety.

This part of ISO 12614 specifies tests and requirements for the check valve, a liquefied natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833. This part of ISO 12614 is not applicable to the following: (a) fuel containers, (b) stationary gas engines, (c) container mounting hardware, (d) electronic fuel management; and (e) refueling receptacles.

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: Veronica Lancaster

Fax: (703) 907-4197

E-mail: vlancaster@cta.tech

* BSR/CTA 709.2-A-2000 (S201x), Control Network Power Line (PL) Channel Specification (stabilized maintenance of ANSI/CTA 709.2-A-2000 (R2012))

Stakeholders: Manufacturers and consumers.

Project Need: Stabilization of ANSI/CTA 709.2-A.

This document specifies the Control Network Power Line (PL) Channel and serves as a companion document to the CTA-709.1 Control Network Protocol Specification. Its purpose is to present the information necessary for the development of a PL physical network and nodes to communicate the share information over the network.

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: Denielle Giordano

E-mail: dgiordano@pumps.org

BSR/HI 9.6.7-201x, Effects of Liquid Viscosity on Rotodynamic Pump Performance (revision of ANSI/HI 9.6.7-2015)

Stakeholders: Pump Manufacturers, specifiers, purchasers, and users

Project Need: To improve usability and accuracy of the mathematical methodology.

This standard covers the performance correction of rotodynamic pumps handling liquids exhibiting Newtonian-like characteristics with a viscosity greater than that of water. The standard includes a generalized method for predicting the performance of rotodynamic pumps. Theoretical methods based on loss analysis may provide more accurate predictions of the effects of liquid viscosity on pump performance when the geometry of a particular pump is known in more detail.

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: Tori Serazi

Fax: (973) 267-9055

E-mail: tserazi@pumps.org

BSR/HI 9.6.9-201X, Rotary Condition Monitoring (revision of ANSI/HI 9.6.9-2013)

Stakeholders: Pump manufacturers, specifiers, purchasers, and users.

Project Need: To update the existing ANSI/HI 9.6.9 Standard.

This guideline is for rotary pumps, including both sealed and sealless pump designs as stated in each section. This guideline discusses some of the indicators that can be monitored or reviewed on rotary pumps to predict and identify pump failure modes.

IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

Office: 18927 Hickory Creek Dr Suite 220
Mokena, IL 60448

Contact: Conrad Jahrling

Fax: (708) 479-6139

E-mail: conrad.jahrling@asse-plumbing.org

- * BSR/ASSE 1091-201x, Performance requirements for contaminant reduction and compatibility of water filtration components (new standard)

Stakeholders: Water filter manufacturers, residential and commercial water filtration system OEM's.

Project Need: Components from water filter manufacturers are being installed in the market without adherence to fit or function requirements of the original system. Also, there is a potential for consumers installing products that do not meet their expectations as originally purchased. This standard will give those requirements.

This standard will cover the structural integrity, life test, material safety, performance claims, flow capacity, and physical connectivity requirements of water filter components.

NAAMM (National Association of Architectural Metal Manufacturers)

Office: 123 College Place
#1101
Norfolk, VA 23510

Contact: Vernon (Wes) Lewis

E-mail: wlewis7@cox.net

- BSR/NAAMM HMMA 801-2012 (R201x), Glossary of Terms for Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 801-2012)

Stakeholders: Engineers, architects and members of the Hollow Metal industry.

Project Need: This standard provides a list of terms and their definition relative to the hollow metal industry.

This standard provides a list of terms and their definition relative to the hollow metal industry. Written and graphic descriptions of terms are provided.

- BSR/NAAMM HMMA 866-2012 (R201x), Guide Specifications for Stainless Steel Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 866-2012)

Stakeholders: Architects, engineers, government, and others involved in building construction.

Project Need: This standard provides guidance for those specifying hollow metal doors and frames constructed of stainless steel.

This standard offers guidance for designers of projects with doors of stainless steel.

RVIA (Recreational Vehicle Industry Association)

Office: 1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363

Contact: Kent Perkins

E-mail: kperkins@rvia.org

- BSR/RVIA TSIC-1-201x, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008 (R2013))

Stakeholders: Axle, wheel hardware and trailer (RV, marine, cargo & other similar types) manufacturers.

Project Need: To provide opportunity to revise and upgrade minimum safety requirements for the proper assembly of wheels on trailers in order to provide for consumer safety.

The purpose of this Recommended Practice is to identify and define significant factors required for assembly process control.

American National Standards Maintained Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AAMVA (American Association of Motor Vehicle Administrators)
- AGA (American Gas Association)
- AGSC-AGRSS (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (The Green Building Initiative)
- GEIA (Greenguard Environmental Institute)
- HL7 (Health Level Seven)
- IESNA (The Illuminating Engineering Society of North America)
- MHI (ASC MH10) (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories, Inc.)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit *ANSI Online* at www.ansi.org/asd, select "Standards Activities," click on "Public Review and Comment" and "American National Standards Maintained Under Continuous Maintenance." This information is also available directly at www.ansi.org/publicreview.

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at standact@ansi.org.

<p>AAMI Association for the Advancement of Medical Instrumentation</p> <p>4301 N Fairfax Drive Suite 301 Arlington, VA 22203-1633 Phone: (703) 647-2779 Web: www.aami.org</p>	<p>ASNT American Society for Nondestructive Testing</p> <p>1711 Arlingate Lane P.O. Box 28518 Columbus, OH 43228-0518 Phone: (800) 222-2768 ext 241 Fax: (614) 274-6899 Web: www.asnt.org</p>	<p>ESTA Entertainment Services and Technology Association</p> <p>630 Ninth Avenue Suite 609 New York, NY 10036-3748 Phone: (212) 244-1505 Fax: (212) 244-1502 Web: www.esta.org</p>	<p>PMI (Organization) Project Management Institute</p> <p>14 Campus Blvd Newtown Square, PA 19073-3299 Phone: (313) 404-3507 Fax: (610) 356-4647 Web: www.pmi.org</p>
<p>ABMA (ASC B3) American Bearing Manufacturers Association</p> <p>2025 M Street, NW Suite 800 Washington, DC 20036-3309 Phone: (919) 481-2852 Fax: (919) 827-4587 Web: www.americanbearings.org</p>	<p>ASSE (Safety) American Society of Safety Engineers</p> <p>520 N. Northwest Hwy Park Ridge, IL 60068 Phone: (847) 768-3475 Web: www.asse.org</p>	<p>FM FM Approvals</p> <p>1151 Boston-Providence Turnpike Norwood, MA 02062 Phone: (781) 255-4813 Fax: (781) 762-9375 Web: www.fmglobal.com</p>	<p>RESNA Rehabilitation Engineering and Assistive Technology Society of North America</p> <p>1560 Wilson Blvd. Suite 850 Arlington, VA 22209-1903 Phone: (703) 524-6686 Fax: (703) 524-6630 Web: www.resna.org</p>
<p>AGA (ASC Z380) American Gas Association</p> <p>400 North Capitol Street, NW Washington, DC 20001 Phone: (202) 824-7183 Web: www.aga.org</p>	<p>ASTM ASTM International</p> <p>100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9744 Fax: (610) 834-3683 Web: www.astm.org</p>	<p>HI Hydraulic Institute</p> <p>6 Campus Drive Parsippany, NJ 07054 Phone: (973) 267-9700 x115 Web: www.pumps.org</p>	<p>RVIA Recreational Vehicle Industry Association</p> <p>1896 Preston White Drive P.O. Box 2999 Reston, VA 20191-4363 Phone: (571) 665-5872 Web: www.rvia.org</p>
<p>ANS American Nuclear Society</p> <p>555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Fax: (708) 579-8248 Web: www.ans.org</p>	<p>AWS American Welding Society</p> <p>8669 NW 36 ST., #130 Miami, FL 33166 Phone: (800) 443-9353 Fax: (305) 443-5951 Web: www.aws.org</p>	<p>IAPMO (ASSE Chapter) ASSE International Chapter of IAPMO</p> <p>18927 Hickory Creek Dr Suite 220 Mokena, IL 60448 Phone: (708) 995-3017 Fax: (708) 479-6139 Web: www.asse-plumbing.org</p>	<p>UL Underwriters Laboratories, Inc.</p> <p>12 Laboratory Drive Research Triangle Park, NC 27709 -3995 Phone: (919) 549-0921 Fax: (919) 549-0921 Web: www.ul.com</p>
<p>ASA (ASC S3) Acoustical Society of America</p> <p>1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Fax: (631) 923-2875 Web: www.acousticalsociety.org</p>	<p>AWWA American Water Works Association</p> <p>6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Fax: (303) 795-7603 Web: www.awwa.org</p>	<p>ITI (INCITS) InterNational Committee for Information Technology Standards</p> <p>1101 K Street, NW Suite 610 Washington, DC 20005-3922 Phone: (202) 626-5737 Fax: (202) 638-4922 Web: www.incits.org</p>	<p>WMA World Millwork Alliance</p> <p>10047 Robert Trent Jones Parkway New Port Richey, FL 34655 Phone: (727) 372-3665 Fax: (727) 372-2879 Web: worldmillworkalliance.com</p>
<p>ASABE American Society of Agricultural and Biological Engineers</p> <p>2950 Niles Road St Joseph, MI 49085 Phone: (269) 932-7027 Fax: (269) 429-3852 Web: www.asabe.org</p>	<p>CSA CSA Group</p> <p>8501 East Pleasant Valley Rd. Cleveland, OH 44131 Phone: (216) 524-4990 x88321 Fax: (216) 520-8979 Web: www.csa-america.org</p>	<p>NAAMM National Association of Architectural Metal Manufacturers</p> <p>123 College Place #1101 Norfolk, VA 23510 Phone: (757) 489-0787 Web: www.naamm.org</p>	<p>NEMA (ASC C8) National Electrical Manufacturers Association</p> <p>1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3299 Web: www.nema.org</p>
<p>ASME American Society of Mechanical Engineers</p> <p>Two Park Avenue New York, NY 10016 Phone: (212) 591-8521 Fax: (212) 591-8501 Web: www.asme.org</p>	<p>CTA Consumer Technology Association</p> <p>1919 South Eads Street Arlington, VA 22202 Phone: (703) 907-7697 Fax: (703) 907-4197 Web: www.cta.tech</p>	<p>NSF NSF International</p> <p>789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-6866 Web: www.nsf.org</p>	<p>ECIA Electronic Components Industry Association</p> <p>2214 Rock Hill Road Suite 265 Herndon, VA 20170-4212 Phone: (571) 323-0294 Fax: (571) 323-0245 Web: www.ecianow.org</p>



ISO & IEC Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) 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 ISO and IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Tony Zertuche, General Secretary, USNC/IEC, at ANSI's New York offices (tzertuche@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

ISO and IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an ISO or IEC Draft to Customer Service at sales@ansi.org. When making your request, please provide the date of the Standards Action issue in which the draft document you are requesting appears.

ISO Standards

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO/DIS 22000, Food safety management systems - Requirements for any organization in the food chain - 5/4/2017, \$112.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 22431, Aerospace series - Pipe coupling 8°30 - Dynamic beam seal end for ferrule, welded - Geometric configuration - 5/12/2017, \$33.00

ISO/DIS 22433, Aerospace series - Pipe coupling 8°30 - Dynamic beam seal end for elbows, tees and crosses - Geometric configuration - 5/12/2017, \$33.00

ISO/DIS 22436, Aerospace series - Pipe coupling 8°30 - Thread end - Geometric configuration - 5/12/2017, \$46.00

ISO/DIS 22437, Aerospace series - Pipe coupling 8°30 in titanium alloy - Nut for welded ferrule - 5/12/2017, \$33.00

ISO/DIS 22438, Aerospace series - Pipe coupling 8°30 in titanium alloy - Thrust wires - 5/12/2017, \$33.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 80601-2-13/DAMd2, Medical electrical equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation - Amendment 2 - 5/3/2017, \$29.00

CARBON DIOXIDE CAPTURE, TRANSPORTATION, AND GEOLOGICAL STORAGE (TC 265)

ISO/DIS 27919-1, Carbon dioxide capture - Part 1: Performance evaluation methods for post-combustion CO2 capture integrated with a power plant - 7/13/2017, \$134.00

CAST IRON AND PIG IRON (TC 25)

ISO/DIS 185, Grey cast irons - Classification and specification - 7/20/2017, \$82.00

ISO/DIS 1083, Spheroidal graphite cast irons - Classification - 7/21/2017, \$112.00

CONCRETE, REINFORCED CONCRETE AND PRE-STRESSED CONCRETE (TC 71)

ISO/DIS 13315-8, Environmental management for concrete and concrete structures - Part 8: Environmental labels and declarations - 7/5/2017, \$82.00

ISO/DIS 17785-2, Testing methods for pervious concrete - Part 2: Density and void content - 5/3/2017, \$46.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO 23551-8/DAMd1, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls - Amendment 1: Overheating safety devices - 5/3/2017, \$33.00

ISO/DIS 23551-2, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators - 5/3/2017, \$134.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 20728, Corrosion of metal and alloys - Determination of resistance of magnesium alloys to stress corrosion cracking - 5/19/2017, \$53.00

CRANES (TC 96)

ISO/DIS 8686-2, Cranes - Design principles for loads and load combinations - Part 2: Mobile cranes - 5/19/2017, \$77.00

DENTISTRY (TC 106)

ISO/DIS 20569, Dentistry - Trepine burs - 5/14/2017, \$46.00

ISO/DIS 20570, Dentistry - Oral surgical scalpel handle - 5/18/2017, \$40.00

ISO/DIS 20608, Dentistry - Powder jet handpieces and powders - 5/13/2017, \$71.00

ISO/DIS 7494-1, Dentistry - Stationary dental units and dental patient chairs - Part 1: General requirements and test methods - 5/3/2017, \$77.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 19014-1, Earth-moving machinery - Safety - Part 1: Methodology to determine safety-related parts of the control system and performance requirements - 5/12/2017, \$93.00

ENVIRONMENTAL MANAGEMENT (TC 207)

ISO/DIS 14080, Greenhouse gas management and related activities - Framework and principles for methodologies on climate actions - 5/21/2017, \$93.00

ERGONOMICS (TC 159)

ISO/DIS 9241-306, Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays - 7/2/2017, \$125.00

FIRE SAFETY (TC 92)

ISO/DIS 1716, Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) - 7/8/2017, \$98.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 6099, Fluid power systems and components - Cylinders - Identification code for mounting dimensions and mounting types - 7/16/2017, \$134.00

ISO/DIS 20145, Pneumatic fluid power - Test method for measuring acoustic emission pressure level of exhaust silencers - 7/12/2017, \$82.00

ISO/DIS 21018-4, Hydraulic fluid power - Monitoring the level of particulate contamination in the fluid - Part 4: Use of the light extinction technique - 7/8/2017, \$58.00

GAS CYLINDERS (TC 58)

ISO 11515/DAMd1, Gas cylinders - Refillable composite reinforced tubes of water capacity between 450 L and 3000 L - Design, construction and testing - Amendment 1 - 5/13/2017, \$33.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO/DIS 19165, Geographic information - Preservation of digital data and metadata - 5/21/2017, \$119.00

GEOSYNTHETICS (TC 221)

ISO/DIS 24576, Geosynthetic - Test method for determining the resistance of polymeric geosynthetic barriers to environmental stress cracking - 5/12/2017, \$53.00

HEALTH INFORMATICS (TC 215)

ISO/DIS 11238, Health informatics - Identification of medicinal products - Data elements and structures for the unique identification and exchange of regulated information on substances - 7/20/2017, \$125.00

HYDROGEN ENERGY TECHNOLOGIES (TC 197)

ISO/DIS 17268, Gaseous hydrogen land vehicle refuelling connection devices - 7/8/2017, \$112.00

ISO/DIS 19880-3.2, Gaseous hydrogen - Fueling stations - Part 3: Valves - 4/12/2017, \$88.00

ISO/DIS 19880-8, Gaseous hydrogen - Fueling stations - Part 8: Fuel quality control - 7/13/2017, \$107.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO/DIS 15926-13, Industrial automation systems and integration - Integration of life-cycle data for process plants including oil and gas production facilities - Part 13: Integrated asset planning life-cycle - 7/5/2017, \$155.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 20247, Information and documentation - International library item identifier (ILII) - 5/5/2017, \$33.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 19901-9, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 9: Structural integrity management - 5/19/2017, \$185.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 18437-6, Mechanical vibration and shock - Characterization of the dynamic mechanical properties of visco-elastic materials - Part 6: Time-temperature superposition - 5/10/2017, \$82.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 4037-3, X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy - Part 3: Calibration of area and personal dosimeters and the measurement of their response as a function of energy and angle of incidence - 5/14/2017, \$134.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

ISO/DIS 13666, Ophthalmic optics - Spectacle lenses - Vocabulary - 5/21/2017, \$134.00

ISO/DIS 17915, Optics and photonics - Measurement method of semiconductor lasers for sensing - 5/5/2017, \$98.00

ISO/DIS 17123-9, Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 9: Terrestrial laser scanners - 7/1/2017, \$107.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 6504-1, Paints and varnishes - Determination of hiding power - Part 1: Kubelka-Munk method for white and light-coloured paints - 5/5/2017, \$107.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 3924, Petroleum products - Determination of boiling range distribution - Gas chromatography method - 7/2/2017, \$88.00

ISO/DIS 4264, Petroleum products - Calculation of cetane index of middle-distillate fuels by the four variable equation - 7/15/2017, \$46.00

PLASTICS (TC 61)

ISO 30012/DAMd1, Carbon-fibre-reinforced plastics - Determination of the size and aspect ratio of crushed objects - Amendment 1 - 7/5/2017, \$29.00

ISO/DIS 11567, Carbon fibre - Determination of filament diameter and cross-sectional area - 7/6/2017, \$53.00

ISO/DIS 18485, Peel test for the determination of interlaminar fracture toughness of flexible packaging laminates - 5/15/2017, \$88.00

ISO/DIS 20975-2, Carbon-fibre-reinforced plastics - Methods for measurement of through-thickness laminate properties - Part 2: Considering size effects by flexural test - 5/18/2017, \$62.00

ISO/DIS 21301-1, Plastics - Ethylene/vinyl acetate (E/VAC) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 7/13/2017, \$46.00

ISO/DIS 21301-2, Plastics - Ethylene/vinyl acetate (E/VAC) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 7/13/2017, \$40.00

ISO/DIS 21304-1, Plastics - Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 7/13/2017, \$46.00

ISO/DIS 29988-1, Plastics - Polyoxymethylene (POM) moulding and extrusion materials - Part 1: Designation system and basis for specifications - 7/13/2017, \$46.00

ISO/DIS 29988-2, Plastics - Polyoxymethylene (POM) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 7/13/2017, \$40.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

- ISO 15874-2/DAmD1, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes - Amendment 1 - 7/8/2017, \$29.00
- ISO 15874-3/DAmD1, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 1 - 7/8/2017, \$29.00
- ISO 15874-5/DAmD1, Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 5: Fitness for purpose of the system - Amendment 1 - 7/8/2017, \$29.00
- ISO/DIS 8779, Plastics piping systems - Polyethylene (PE) pipes for irrigation - Specifications - 7/8/2017, \$58.00

POWDER METALLURGY (TC 119)

- ISO/DIS 3923-1, Metallic powders - Determination of apparent density - Part 1: Funnel method - 5/18/2017, \$33.00

QUALITY MANAGEMENT AND CORRESPONDING GENERAL ASPECTS FOR MEDICAL DEVICES (TC 210)

- ISO/DIS 18250-7, Connectors for reservoir delivery systems for healthcare applications - Part 7: Connectors for Intravascular Infusion - 7/5/2017, \$107.00

ROAD VEHICLES (TC 22)

- ISO/DIS 13216-3, Road vehicles - Anchorages in vehicles and attachments to anchorages for child restraint systems - Part 3: Classification of child restraint system and space in vehicle - 7/13/2017, \$93.00
- ISO/DIS 16750-1, Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 1: General - 7/13/2017, \$62.00
- ISO/DIS 17840-4, Road vehicles - Information for first and second responders - Part 4: Propulsion energy identification - 5/6/2017, \$53.00
- ISO/DIS 19723-1, Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 1: Safety requirements - 6/8/2017, \$67.00
- ISO/DIS 19723-2, Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 2: Test requirements - 6/7/2017, \$53.00
- ISO/DIS 21266-1, Road vehicles - Compressed gaseous hydrogen (CGH₂) and hydrogen/natural gas blends fuel systems - Part 1: Safety requirements - 7/8/2017, \$67.00
- ISO/DIS 21266-2, Road vehicles - Compressed gaseous hydrogen (CGH₂) and hydrogen/natural gas blends fuel systems - Part 2: Test methods - 7/8/2017, \$53.00
- ISO/DIS 21308-1, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 1: General principles - 5/13/2017, \$82.00

RUBBER AND RUBBER PRODUCTS (TC 45)

- ISO/DIS 48, Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD) - 5/21/2017, \$82.00
- ISO/DIS 247-1, Rubber - Determination of ash - Part 1: Combustion method - 6/15/2017, \$46.00
- ISO/DIS 5435, Rubber compounding ingredients - Carbon black - Determination of tinting strength - 7/15/2017, \$58.00
- ISO/DIS 8067, Flexible cellular polymeric materials - Determination of tear strength - 7/8/2017, \$53.00
- ISO/DIS 8307, Flexible cellular polymeric materials - Determination of resilience by ball rebound - 7/13/2017, \$46.00
- ISO/DIS 8332, Rubber compounding ingredients - Sulfur - Methods of test - 7/15/2017, \$93.00

ISO/DIS 9631, Rubber seals - Joint rings for pipelines for hot-water supply, drainage and sewerage up to 110 degrees C - Specification for the material - 11/15/2009, \$77.00

ISO/DIS 20463, Rubber and rubber products - Determination of combustion energy and carbon dioxide emission from biobased and nonbiobased materials - 5/19/2017, \$82.00

SAFETY OF TOYS (TC 181)

ISO/DIS 8124-6, Safety of toys - Part 6: Certain phthalate esters in toys and childrens products - 7/15/2017, \$107.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

- ISO/DIS 19847, Ships and marine technology - Shipboard data servers to share field data at sea - 7/20/2017, \$125.00
- ISO/DIS 19848, Ships and marine technology - Standard data for shipboard machinery and equipment - 7/20/2017, \$134.00
- ISO/DIS 19897, Ships and marine technology - Marine evacuation systems - Testing under conditions of icing - 5/19/2017, \$33.00

SPORTS AND RECREATIONAL EQUIPMENT (TC 83)

ISO 23537-1/DAmD1, Requirements for sleeping bags - Part 1: Thermal and dimensional requirements - Amendment 1 - 7/15/2017, \$29.00

STEEL WIRE ROPES (TC 105)

ISO/DIS 19427, Steel wire ropes - Pre-fabricated parallel wire strands for suspension bridge main cable - Specifications - 7/20/2017, \$62.00

TECHNICAL DRAWINGS, PRODUCT DEFINITION AND RELATED DOCUMENTATION (TC 10)

- ISO/DIS 20318-1, Mechanical pencils and leads for general use - Classification, dimensions, quality and test methods - Part 1: Mechanical pencils - 7/16/2017, \$53.00
- ISO/DIS 20318-2, Mechanical pencils and leads for general use - Classification, dimensions, quality and test methods - Part 2: Black leads - 7/16/2017, \$53.00

TEXTILES (TC 38)

- ISO/DIS 20754, Textiles - Man-made fibres - Determination of shape factors in cross section - 5/21/2017, \$53.00
- ISO/DIS 21232, Textiles - Determination of moisturizing effect of textile materials by measurement of microclimate between textiles and simulated human skin using sweating guarded hotplate - 7/15/2017, \$46.00
- ISO/DIS 3175-4, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning - 6/30/2017, \$53.00
- ISO/DIS 20418-1, Textiles - Qualitative and quantitative proteomic analysis of some animal hair fibres - Part 1: Peptide detection using LC-ESI-MS with protein reduction - 5/5/2017, \$53.00

THERMAL INSULATION (TC 163)

ISO/DIS 20310, Thermal insulation for building equipment and industrial installations - Aluminosilicate wool products - Specification - 7/6/2017, \$58.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 11783-7/DAmD1, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 7: Implement messages application layer - Amendment 1 - 5/18/2017, \$107.00

- ISO/DIS 10625, Equipment for crop protection - Sprayer nozzles - Colour coding for identification - 5/13/2017, \$40.00
- ISO/DIS 4254-6, Agricultural machinery - Safety - Part 6: Sprayers and liquid fertilizer distributors - 5/13/2017, \$71.00
- ISO/DIS 8759-1, Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO - 7/5/2017, \$40.00
- ISO/DIS 8759-3, Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location - 7/5/2017, \$33.00
- ISO/DIS 8759-4, Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage - 7/5/2017, \$29.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

- ISO 8871-3/DAmD1, Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 3: Determination of released-particle count - Amendment 1 - 7/7/2017, \$29.00
- ISO 11418-2/DAmD1, Containers and accessories for pharmaceutical preparations - Part 2: Screw-neck glass bottles for syrups - Amendment 1 - 5/18/2017, \$29.00
- ISO 11418-3/DAmD1, Containers and accessories for pharmaceutical preparations - Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms - Amendment 1 - 5/18/2017, \$33.00

TYRES, RIMS AND VALVES (TC 31)

- ISO/DIS 28580, Tyre Rolling Resistance measurement method - Single point test and measurement result correlation - Designed to facilitate international cooperation and, possibly, regulation building - 7/2/2017, \$93.00

WATER QUALITY (TC 147)

- ISO/DIS 10704, Water quality - Gross alpha and gross beta activity - Test method using thin source deposit - 5/3/2017, \$71.00

WELDING AND ALLIED PROCESSES (TC 44)

- ISO/DIS 5173, Destructive tests on welds in metallic materials - Bend tests - 5/4/2017, \$77.00

ISO/IEC JTC 1, Information Technology

- ISO/IEC 23008-1.2/DAmD2, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 1: MPEG media transport (MMT) - Amendment 2: MMT Enhancements for mobile environments - 5/19/2017, \$146.00
- ISO/IEC DIS 14882, Programming languages - C++ - 7/5/2017, \$398.00
- ISO/IEC DIS 20248, Information technology - Automatic identification and data capture techniques - Data structures - Digital signature meta structure - 5/4/2017, \$155.00
- ISO/IEC DIS 22275, Information Technology - Programming languages, their environments, and system software interfaces - ECMAScript® Specification Suite - 5/5/2017, \$33.00
- ISO/IEC DIS 22425, Information Technology - Telecommunications and information exchange between systems - NFC-SEC Test Methods - 5/4/2017, \$102.00
- ISO/IEC DIS 14443-1, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 1: Physical characteristics - 7/7/2017, \$58.00
- ISO/IEC DIS 14443-2, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 2: Radio frequency power and signal interface - 7/19/2017, \$119.00
- ISO/IEC DIS 14443-3, Identification cards - Contactless integrated circuit cards - Proximity cards - Part 3: Initialization and anticollision - 7/6/2017, \$134.00

- ISO/IEC DIS 14443-4, Identification cards - Contactless integrated circuit(s) cards - Proximity cards - Part 4: Transmission protocol - 7/6/2017, \$125.00
- ISO/IEC DIS 19784-1, Information technology - Biometric application programming interface - Part 1: BioAPI specification - 5/12/2017, \$230.00
- ISO/IEC DIS 23006-1, Information technology - Multimedia service platform technologies - Part 1: Architecture - 5/19/2017, \$88.00
- ISO/IEC DIS 24752-8, Information technology - User interfaces - Universal remote console - Part 8: User interface resource framework - 5/19/2017, \$146.00
- ISO/IEC DIS 20071-23, Information technology - User interface component accessibility - Part 23: Guidance on the visual presentation of audio information (including captions and subtitles) - 5/21/2017, \$93.00
- ISO/IEC DIS 29110-3-2, Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-2: Conformity certification scheme - 5/3/2017, \$82.00

IEC Standards

- AC/16/2017, ISO/IEC CD Guide 76, Development of service standards - How to address consumer issues, 2017/6/23
- SMB/6152/DC, Report from CAB ahG for feedback from the CA Systems to the IEC TC/SCs (CAB/1616/R) (Technical Server only), 2017/5/26
- 10/1016/CDV, Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state (former IEC 61125 Part C), 2017/7/21
- 13/1743/CD, IEC 62056-8-8 ED1: Electricity metering data exchange -- The DLMS/COSEM suite - Part 8-8: Communication profile for ISO/IEC 14908 series networks, 2017/7/21
- 29/953/NP, PNW 29-953: Electroacoustics - Modular instrumentation for acoustic measurement, 2017/7/21
- 31J/271/DC, Proposed draft revision of IEC 60079-10-1: Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres, 2017/6/30
- 34A/2008/FDIS, IEC 63013 ED1: LED packages - Long-term luminous flux maintenance projection, 017/6/9/
- 45B/861/CDV, IEC 62945 ED1: Radiation protection instrumentation - Measuring the imaging performance of X-ray computed tomography (CT) security screening systems, 2017/7/21
- 46/642/CDV, IEC 62153-4-9 ED2: Metallic cables and other passive components test methods - Part 4-9: Electro Magnetic Compatibility (EMC) - Coupling attenuation of screened balanced cables, triaxial method, 2017/7/21
- 47/2402/CD, IEC 63068-1 ED1: Semiconductor devices - Non-destructive recognition criteria of defects in silicon carbide homoepitaxial wafer for power devices - Part 1: Classification of defects, 2017/7/21
- 57/1868/FDIS, IEC 61970-452 ED3: Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles, 017/6/9/
- 57/1867/FDIS, IEC 62488-2 ED1: Power line communication systems for power utility applications - Part 2: Analogue power line carrier terminals or APLC, 017/6/9/
- 62A/1191/DC, Draft revision of ISO/IEC Guide 63 - Guide to the development and inclusion of aspects of safety in International Standards for medical devices, 2017/6/23
- 65/669/DPAS, IEC PAS 63131 ED1: System control diagram, 2017/6/23
- 65B/1077/CDV, IEC 60534-1 ED4: Industrial-process control valves - Part 1: Control valve terminology and general considerations, 2017/7/21

- 82/1278/NP, PNW TS 82-1278: Guidelines for effective quality assurance of power conversion equipment for photovoltaic systems, 2017/7/21
- 82/1279/DTS, IEC TS 62257-9-6 ED2: Recommendations for renewable energy and hybrid systems for rural electrification - Part 9 -6: Integrated system - Selection of Photovoltaic Individual Electrification Systems (PV-IES), 2017/7/21
- 82/1274/DPAS, IEC PAS 62257-10 ED1: Recommendations for renewable energy and hybrid systems for rural electrification - Part 10: Silicon solar module visual inspection guide, 2017/6/23
- 82/1275/DC, Proposed amendment to IEC 62788-1-6 ED1 (2017), Measurement procedures for materials used in photovoltaic modules - Part 1-6: Encapsulants - Test methods for determining the degree of cure in Ethylene-Vinyl Acetate, 017/6/9/
- 82/1281/DTS, IEC TS 62989 ED1: Primary optics for concentrator photovoltaic systems, 2017/7/21
- 86A/1793/FDIS, IEC 60794-2 ED4: Optical fibre cables - Part 2: Indoor cables - Sectional specification, 017/6/9/
- 100/2925/CD, IEC 60268-4 ED6: Sound system equipment - Part 4: Microphones, 2017/7/21
- 104/725/CD, IEC 60068-2-67/AMD1 ED1: Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components, 2017/6/23
- 121A/152/FDIS, IEC 62683-1 ED1: Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data, 017/6/9/



Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 29181-8:2017](#), Information technology - Future Network - Problem statement and requirements - Part 8: Quality of Service, \$103.00

[ISO/IEC TR 29181-9:2017](#), Information technology - Future Network - Problem statement and requirements - Part 9: Networking of everything, \$138.00

ACOUSTICS (TC 43)

[ISO 18405:2017](#), Underwater acoustics - Terminology, \$45.00

[ISO 18406:2017](#), Underwater acoustics - Measurement of radiated underwater sound from percussive pile driving, \$162.00

[ISO 26101:2017](#), Acoustics - Test methods for the qualification of free-field environments, \$138.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

[ISO 9538:2017](#), Aerospace series - Hydraulic tubing joints and fittings - Planar flexure test, \$45.00

[ISO 18487-1:2017](#), Aerospace series - Titanium tube for 35 MPa operating pressure - Part 1: Inch series, \$103.00

ANALYSIS OF GASES (TC 158)

[ISO 12963:2017](#), Gas analysis - Comparison methods for the determination of the composition of gas mixtures based on one- and two-point calibration, \$138.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 21748:2017](#), Guidance for the use of repeatability, reproducibility and trueness estimates in measurement uncertainty evaluation, \$185.00

BUILDING CONSTRUCTION (TC 59)

[ISO 15686-7:2017](#), Buildings and constructed assets - Service life planning - Part 7: Performance evaluation for feedback of service life data from practice, \$162.00

CRYOGENIC VESSELS (TC 220)

[ISO 23208:2017](#), Cryogenic vessels - Cleanliness for cryogenic service, \$68.00

EARTH-MOVING MACHINERY (TC 127)

[ISO 5006:2017](#), Earth-moving machinery - Operators field of view - Test method and performance criteria, \$162.00

ERGONOMICS (TC 159)

[ISO 9241-333:2017](#), Ergonomics of human-system interaction - Part 333: Stereoscopic displays using glasses, \$162.00

FINE CERAMICS (TC 206)

[ISO 19628:2017](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of specific heat capacity, \$138.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

[ISO 22400-2/Amd1:2017](#), Automation systems and integration - Key performance indicators (KPIs) for manufacturing operations management - Part 2: Definitions and descriptions - Amendment 1: Key performance indicators for energy management, \$19.00

MICROBEAM ANALYSIS (TC 202)

[ISO 19214:2017](#), Microbeam analysis - Analytical electron microscopy - Method of determination for apparent growth direction of wirelike crystals by transmission electron microscopy, \$103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 20711:2017](#), Optics and photonics - Environmental requirements - Test requirements for telescopic systems, \$68.00

PLAIN BEARINGS (TC 123)

[ISO 12308:2017](#), Plain bearings - Quality assurance of sample types - Definitions, applications and testing, \$45.00

PLASTICS (TC 61)

[ISO 9370:2017](#), Plastics - Instrumental determination of radiant exposure in weathering tests - General guidance and basic test method, \$138.00

PROJECT, PROGRAMME AND PORTFOLIO MANAGEMENT (TC 258)

[ISO 21505:2017](#), Project, programme and portfolio management - Guidance on governance, \$138.00

PULLEYS AND BELTS (INCLUDING VEEBELTS) (TC 41)

[ISO 5295:2017](#), Synchronous belts - Calculation of power rating and drive centre distance, \$45.00

ROAD VEHICLES (TC 22)

[ISO 18243:2017](#), Electrically propelled mopeds and motorcycles - Test specifications and safety requirements for lithium-ion battery systems, \$185.00

[ISO 6624-1:2017](#), Internal combustion engines - Piston rings - Part 1: Keystone rings made of cast iron, \$138.00

[ISO 6624-3:2017](#), Internal combustion engines - Piston rings - Part 3: Keystone rings made of steel, \$138.00

[ISO 22241-3:2017](#), Diesel engines - NOx reduction agent AUS 32 - Part 3: Handling, transportation, and storage, \$68.00

SMALL TOOLS (TC 29)

[ISO 26622-1:2017](#), Modular taper interface with ball track system - Part 1: Dimensions and designation of shanks, \$68.00

SOLID BIOFUELS (TC 238)

[ISO 14780:2017](#), Solid biofuels - Sample preparation, \$138.00

[ISO 18125:2017](#), Solid biofuels - Determination of calorific value, \$209.00

THERMAL INSULATION (TC 163)

[ISO 19467:2017](#), Thermal performance of windows and doors - Determination of solar heat gain coefficient using solar simulator, \$209.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 5682-1:2017](#), Equipment for crop protection - Spraying equipment - Part 1: Test methods for sprayer nozzles, \$162.00

[ISO 5682-2:2017](#), Equipment for crop protection - Spraying equipment - Part 2: Test methods to assess the horizontal transverse distribution for hydraulic sprayers, \$68.00

[ISO 5682-3:2017](#), Equipment for crop protection - Spraying equipment - Part 3: Test method to assess the performance of volume/area adjustment systems, \$45.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 19828:2017](#), Welding for aerospace applications - Visual inspection of welds, \$103.00

ISO Technical Reports**FLUID POWER SYSTEMS (TC 131)**

[ISO/TR 16194:2017](#), Pneumatic fluid power - Assessment of component reliability by accelerated life testing - General guidelines and procedures, \$209.00

IRON ORES (TC 102)

[ISO/TR 4688-1:2017](#), Iron ores - Determination of aluminium - Part 1: Flame atomic absorption spectrometric method, \$103.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO/TR 22979:2017](#), Ophthalmic implants - Intraocular lenses - Guidance on assessment of the need for clinical investigation of intraocular lens design modifications, \$138.00

ISO Technical Specifications**GAS CYLINDERS (TC 58)**

[ISO/TS 15453:2017](#), Gas cylinders - Seamless steel and aluminium-alloy gas cylinders - Evaluation of existing gas cylinders and consideration of their safe use in other jurisdictions, \$68.00

PHOTOGRAPHY (TC 42)

[ISO/TS 19264-1:2017](#), Photography - Archiving systems - Image quality analysis - Part 1: Reflective originals, \$209.00

ROAD VEHICLES (TC 22)

[ISO/TS 17242/Amd1:2017](#), Quasi-static calibration procedure for belt force transducers - Amendment 1, \$19.00

[ISO/TS 15830-5:2017](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 5: Dummy design updates, \$103.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 14496-12/Amd1:2017](#), Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Amendment 1: DRC Extensions, \$19.00

[ISO/IEC 11695-3:2017](#), Identification cards - Optical memory cards - Holographic recording method - Part 3: Optical properties and characteristics, \$45.00

[ISO/IEC TS 33030:2017](#), Information technology - Process assessment - An exemplar documented assessment process, \$162.00

IEC Standards**ELECTRICAL ACCESSORIES (TC 23)**

[IEC 61386-1 Ed. 2.0 b:2008](#), Conduit systems for cable management - Part 1: General requirements, \$235.00

[IEC 61386-1 Amd.1 Ed. 2.0 b:2017](#), Conduit systems for cable management - Part 1: General requirements, \$23.00

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, regulatory agencies and standards developing organizations may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat issues and makes available these notifications. The purpose of the notification requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available to U.S. stakeholders via its online service, Notify U.S. Interested U.S. parties can register with Notify U.S. to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them.

To register for Notify U.S., please visit <http://www.nist.gov/notifyus/>.

The USA WTO TBT Inquiry Point is the official channel for distributing U.S. comments to the network of WTO TBT Enquiry Points around the world. U.S. business contacts interested in commenting on the notifications are asked to review the comment guidance available on Notify U.S. at <https://tsapps.nist.gov/notifyus/data/guidance/guidance.cfm> prior to submitting comments.

For further information about the USA TBT Inquiry Point, please visit:

<https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

INCITS Executive Board – ANSI Accredited SDO and US TAG to ISO/IEC JTC 1, Information Technology

The InterNational Committee for Information Technology Standards (INCITS), an ANSI accredited SDO, is the forum of choice for information technology developers, producers and users for the creation and maintenance of formal de jure IT standards. INCITS' mission is to promote the effective use of Information and Communication Technology through standardization in a way that balances the interests of all stakeholders and increases the global competitiveness of the member organizations.

The INCITS Executive Board serves as the consensus body with oversight of its 40+ Technical Committees. Additionally, the INCITS Executive Board has the international leadership role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Approval of Reaccreditation

Portable Generator Manufacturers Association (PGMA)

The reaccreditation of the Portable Generator Manufacturers Association (PGMA), an ANSI Member and Accredited Standards Developer, has been approved at the direction of ANSI's Executive Standards Council under its recently revised operating procedures for documenting consensus on PGMA-sponsored American National Standards, effective May 2, 2017. For additional information, please contact: Mr. Joseph Harding, Technical Director, Portable Generator Manufacturers Association, 1300 Sumner Avenue, Cleveland, OH 44115-2851; phone: 216.241.7333, ext. 7721; e-mail: jharding@thomasamc.com.

ANSI Accreditation Program for Greenhouse Gas Validation/Verification Bodies

Scope Extension

Ruby Canyon Engineering, Inc.

Comment Deadline: June 5, 2017

In accordance with the following ISO standards:

ISO 14065:2013, Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition

Michael Cote

Ruby Canyon Engineering, Inc.

743 Horizon Court, Suite 385

Grand Junction, CO 85106

Phone: 970-241-9298

E-mail: mcote@rubycanyoneng.com

On April 24, 2017, ANSI's Greenhouse Gas Validation/Verification Body Accreditation Committee granted Ruby Canyon Engineering, Inc. scope extension for the following:

Activity and Scope:

Verification of assertions related to GHG emissions and removals at the organizational level

08. Oil and gas extraction, production and refining including petrochemicals

Please send your comments by June 5, 2017 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: ahoward@ansi.org.

International Organization for Standardization

Establishment of ISO Subcommittees

ISO/TC 35/SC 15 – Protective Coatings: Concrete Surface Preparation and Coating Application

ISO/TC 35, Paints and Varnishes, has created a new ISO Subcommittee on Protective Coatings: Concrete Surface Preparation and Coating Application (SC 15). The Secretariat has been assigned to the United States (ANSI).

ISO/TC 35/SC 15 operates under the following scope:

This subcommittee will develop standards for protective coatings being applied to a concrete substrate. The intent of the committee is to cover all aspects from the creation of the specification to pre-surface preparation through cure of coating that has been applied. It will cover testing for contaminants on/in the concrete substrate, surface preparation materials and methods, coatings applied and coating application methods, and inspection techniques used once coating has been applied and cured.

NACE International has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO/TC 68/SC 8 – Reference Data for Financial Services

ISO/TC 68, Financial Services, has created a new ISO Subcommittee on Reference Data for Financial Services (SC 8). The Secretariat has been assigned to Switzerland (SNV).

ISO/TC 68/SC 8 operates under the following scope:

Standardization in the field of reference data for financial services.

Accredited Standards Committee X9, Inc. Financial Industry Standards has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO/TC 68/SC 9 – Information Exchange for Financial Services

ISO/TC 68, Financial Services has created a new ISO Subcommittee on Information Exchange for Financial Services (SC 9). The Secretariat has been assigned to France (AFNOR).

ISO/TC 68/SC 9 operates under the following scope:

Standardization in the field of information exchange for financial services.

Accredited Standards Committee X9, Inc. Financial Industry Standards has committed to administer the U.S. TAG. Organizations interested in participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

U.S. Technical Advisory Groups

Reaccreditation

U.S. TAG to ISO TC 304 – Healthcare Administration

Comment Deadline: June 5, 2017

The U.S. Technical Advisory Group (TAG) to ISO Technical Committee 304, Healthcare Administration, has submitted to ANSI revisions to the procedures under which it was originally reaccredited in 2016. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact the TAG Administrator to the US TAG to ISO/TC 304: Lee S. Webster, Director, Employee Relations, University of Texas Medical Branch at Galveston, 2200 Market Street, Galveston, TX 77573; phone: 409.747.4867; e-mail: lwebste@utmb.edu. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to UTMB by June 5, 2017, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).



Document Number: BSR/HI 11.6-201x
 Document Title: *Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical, and Electrical Acceptance Tests*

Date Open: April 17, 2017
 Date Closed: May 17, 2017

Sponsor and Publisher: Hydraulic Institute
 Contact: Tori Serazi tserazi@pumps.org

Proposed substantive edits to ANSI Canvass draft that closed on October 13, 2016

Proposed scope change to ANSI Canvass draft with blue underlined text added and ~~red-stricken-through~~ text being deleted:

11.6.1.2 Scope

a) Submersible pump designs included are:

- 1) Semipermanent/pull-up/wet-pit types.
- 2) Dry-pit/dry-installed types.
- 3) Portable/flexible discharge types.
- 4) Chopper/cutter/grinder types.
- 5) Close-coupled types.
- 6) Integral electric motor types.
- 7) Direct Current or battery powered motors
- 8) Fractional horsepower (hp)

b) The following pump types are excluded:

- 1) ~~Direct current or battery powered motors~~
- 2) ~~Fractional horsepower (hp).~~
- 3) Nonrotodynamic (positive displacement [PD] and progressive cavity [PC] types).
- 4) Lineshaft.
- 5) Mixers and agitators.
- 6) Deep-well pumps/bore-hole pumps.
- 7) Pumps not powered by an electric motor.

Proposed substantive edits to ANSI Canvass draft that closed on October 13, 2016

The committee leadership of HI 11.6 Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical, and Electrical Acceptance Tests intended to ballot the 1U tolerance for the municipal markets to be in alignment with ANSI/HI 14.6-2016 Rotodynamic Pumps for Hydraulic Performance Acceptance Tests; however, the change was not reflected in the initial ANSI ballot draft. The HI standards committee has reviewed this and recommended re-balloting with the 1U tolerance to maintain consistency between the two American National Standards. The changes for this proposal are highlighted below.

Proposed default acceptance grade change to ANSI Canvass draft with blue underlined text added and ~~red stricken through~~ text being deleted:

Table 11.6.5.4.3 — Default acceptance grade

Application	Driver rated power	
	>10 to 100 kW (13 to 134 hp)	>100 kW (>134 hp)
Municipal Water	2B <u>1U</u>	4B <u>1U</u>
Municipal Wastewater	2B <u>1U</u>	4B <u>1U</u>
Electric Power Industry	1B	1B
Cooling Tower	2B	2B
Portable Dewatering	3B	3B
Irrigation	3B	2B
Stormwater	2B	2B
All Other Applications Not Listed	3B	2B

NOTE: This table only applies to situations where the purchaser and manufacturer have agreed to a guarantee point, but no test acceptance grade has been specified.

Other specified duty points, including their tolerances, shall be per separate agreement between the manufacturer and purchaser. If other specified duty points are agreed on, but no tolerance is given for these points, then the default acceptance grade for these points shall be grade 3B.

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Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities

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N.2.3.2 Chlorine/Bromine

N.2.3.2.1 Monitor display accuracy

- a) Calibrate a spectrophotometer using standard solutions following Standard Methods 4500-Cl G, such that the instrument is capable of measuring available chlorine levels in the range of 0-10 ppm, or for bromine using HACH Method 8016 for available bromine levels in the range of 0 – 20 ppm.
- b) Weigh 0.20 g of a solution having 5% free chlorine derived from either sodium hypochlorite or calcium hypochlorite. Quantitatively transfer to a 1 L volumetric flask and dilute to volume using de-ionized water. The resulting stock solution should contain approximately 10 ppm available chlorine. For preparing an aqueous bromine solution obtain a 0.1N Bromine Standard Solution. Perform serial dilutions (e.g. 1/10; 1/10; 1/4; 1/2) so that the resulting stock solution contains approximately 20 ppm available bromine.
- c) Using the appropriate analytical method from part a), measure the available chlorine level for the stock sodium hypochlorite or calcium hypochlorite solution, or the bromine level for the stock bromine standard solution.
- d) Volumetrically dilute the stock sodium hypochlorite or calcium hypochlorite solution by the appropriate proportions to give four solutions between 0 and 10 ppm available chlorine. For example, diluting the stock to 1/5, 1/2, and 4/5 would provide the approximate concentrations of 2 ppm, 5 ppm, and 8 ppm; these dilutions along with the stock solution would give four solutions in the required concentration range. Using the spectrophotometer, measure the available chlorine level for each sodium hypochlorite solution. For bromine volumetrically dilute the stock bromine solution by the appropriate proportions to give four solutions between 0 and 20 ppm available chlorine bromine...

N.2.3.2.2 Controller output accuracy

- a) Using sodium hypochlorite or calcium hypochlorite and aqueous bromine stock solutions described in 2.3.2.1 prepare test solutions with a free available chlorine concentration of 2 mg/L as Cl₂ (ppm), or 4 mg/L as Br₂ (ppm).
- b) Attach the sensor under test to the automated controller per manufacturer's instructions.

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- c) When testing for chlorine, set the controller to a set point of 3.0 ppm free available chlorine or 6.0 ppm free bromine.
- d) Attach two indicators sized for the appropriate voltage into each output terminal of the automated controller.
- e) Place the sensor, or influent tube, under test in the 2 ppm sodium hypochlorite solution, or the 4 ppm bromine solution.
- f) Record the chlorine, or bromine level indicated on the display (in ppm) of the automated controller. Record the operation status of the automated controller.
- g) Slowly add 1 N sodium hypochlorite or calcium hypochlorite solution (or 0.1 N aqueous bromine) until the controller de-actuates. Record the chlorine or bromine ppm on the controller display.
- h) Slowly add 1 N sodium thiosulphate solution until the controller actuates. Record the chlorine or bromine ppm on the controller display.

N.2.3.3 ORP

N.2.3.3.1 Monitor display accuracy

When testing the ORP probe, the alkalinity should be in the range of 80 – 120 ppm and a pH of 7.5 ± 0.2 throughout all tests. The temperature should remain constant (room temperature) throughout the duration of all of the tests ± 3 °F.

- b) Weigh 0.20 g of a solution having 5% free chlorine derived from either sodium hypochlorite or calcium hypochlorite. Quantitatively transfer to a 1 L volumetric flask and dilute to volume using de-ionized water. The resulting stock solution should contain approximately 10 ppm available chlorine.
- b) Volumetrically dilute the stock sodium hypochlorite or calcium hypochlorite solution by the appropriate proportions to give the following four solutions: 1 ppm, 3 ppm, 5 ppm, and 7 ppm chlorine.
- c) Place three ORP sensors in the solution in b) and connect them to the displays/automated controllers, or place the influent tubes from three controllers in the solution, (actual samples under test, so that there will be three independent sensor/display setups. Calibrate them per the manufacturer's instructions.
- d) At each concentration record the readings of the three ORP sensors. Calculate the average of the readings at each concentration.

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N.2.3.3.2 Controller output accuracy

- a) Using sodium hypochlorite or calcium hypochlorite, prepare a test solution with a chlorine concentration of 2 mg/L as Cl₂ (ppm).
- b) Attach the sensor under test to the automated controller per manufacturer's instructions.
- c) Attach two indicators sized for the appropriate voltage into each output terminal of the automated controller.
- d) Place the sensor under test, or the influent tube of the controller, in the 2 ppm sodium hypochlorite solution.
- e) Set the automated controller set point to just activate controlled output, verify output. Reduce set point to just deactivate controller output, verify output. Record ORP reading at set point.
- f) Slowly add 1 N sodium hypochlorite or calcium hypochlorite solution until the controller de-actuates. Record the ORP display on the controller.
- g) Slowly add 1 N sodium thiosulfate solution until the controller actuates. Record the ORP display on the controller.

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NSF International Standard for Dietary Supplements —

Dietary supplements

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4 Labeling and literature requirements

4.X Caffeine

Supplements containing 5 mg or more of caffeine must declare the presence of caffeine. Supplements containing 25 mg or greater of added or naturally occurring caffeine must declare the total amount of caffeine per serving on the label.

In addition, if the product contains caffeine at greater than 100 mg/serving the following warnings (or equivalent) must be present on the label:

- Do not use if sensitive to caffeine.
- Not recommended for use by children under 18 years of age.
- Not recommended for use by pregnant or nursing women.

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5 Product requirements

5.5 Caffeine

Supplements containing caffeine shall have caffeine content tested and verified. The amount of caffeine consumed shall not exceed 200 mg/serving every 4 hours and 800 mg/day. The product use instructions shall indicate no more than 200 mg of caffeine is to be consumed every 4 hours. In addition, if the product contains caffeine in the amount of 100 mg/serving or greater the following warnings (or equivalent) must be present on the label:

- Do not use if sensitive to caffeine.
- Not recommended for use by children under 18 years of age.
- Not recommended for use by pregnant or nursing women.

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NSF International Standard for Dietary Supplements —

Dietary supplements

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4 Labeling and literature requirements

4.X Probiotics

For products and ingredients containing probiotics, the following information must be present on the label:

— Colony Forming Units (CFU) count of each live microorganism at the time of the product or ingredient's expiration;

— Total CFU count of probiotic blends (live microorganisms cultured together) at the time of the product or ingredient's expiration is acceptable

— storage direction; and

— identification of the bacteria including genus, species, and strain based on widely accepted nomenclature. If a trademarked name is used to identify the bacteria, the actual genus, species, and strain should also be included on the label.

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BSR/UL 401, Standard for Safety for Portable Spray Hose Nozzles for Fire-Protection Service

1. Inlet Pressure Ratings

6.6 Nozzles covered by these requirements shall have a rated inlet pressure of not less than 200-175 psig (1380 1207 kPa).

26.1 Each spray nozzle shall not rupture, crack, or show signs of leakage through the body when subjected to a hydrostatic pressure of not less than twice the rated inlet pressure 400 psig maintained for not less than 15 seconds.

2. Revisions to Clarify Requirements and Update Testing Details

5.6 FLUSH/CLOGGING FEATURE - A feature in a nozzle that allows the orifice to be opened so that small debris (~~that~~ which might otherwise be trapped in the nozzle causing pattern disruptions and flow variation) can pass through. When the flush feature is engaged, the nozzle pressure may drop and the pattern may deteriorate.

5.11 WIDE OPEN POSITION - Nozzle setting that generally provides for the maximum flow through the nozzle.

6.2 The outer ends of all internal threads defined as "American National Fire Hose Connection Screw Threads" (also known as NST and NSH) shall be terminated by the blunt start or "Higbee Cut" on the full thread to facilitate coupling and to avoid crossing and mutilation of thread.

7.4 A plastic material used to construct a nozzle or nozzle part shall comply with the Polymeric Nonmetallic Nozzle Tests, Section 23.

Exception: A nozzle or nozzle part constructed of polytetrafluoroethylene shall not be required to comply with the Polymeric Nozzle Tests.

10 Discharge Calibration Test

10.1 When tested in accordance with 10.2 - 10.6, as applicable:

a) A basic spray nozzle shall discharge (1) not less than the rated flow in at least one position within the range of adjustment and (2) not more than 10 percent above the rated flow in both the straight stream and wide angle spray pattern settings when tested at the rated operating pressure. See 10.3.

10.3 A basic spray nozzle is to be tested and flow measurement taken in both straight stream and wide angle spray pattern settings, and wide open position, if this is different

than the wide angle spray pattern. The nozzle pressure is to be adjusted for each of the pattern settings to maintain the rated operating pressure.

10.4 A constant flow (gallage) nozzle is to be tested and the flow rate monitored throughout the full range of pattern selection. The water flow rate at the straight stream, wide angle spray, and wide open position (if this is different than the wide angle spray pattern) is to be recorded.

10.5 A constant/select flow (gallage) nozzle is to be tested at each discrete rated flow setting and monitored through the entire range of pattern selection. The nozzle pressure is to be adjusted to the rated operating pressure for each discrete flow selected. At each setting, the flow rate at straight stream, wide angle spray, and wide open position (if this is different than the wide angle spray pattern) is to be recorded.

11.2 The straight stream pattern setting shall provide a cohesive jet that delivers 90 percent of the ~~rated flow to~~ discharged water through a circle 12 inches (305 mm) in diameter at a distance of 10 ft (3 m) from the nozzle at the rated operating pressure. The spray pattern adjustments shall provide for a spray angle of at least 100 degrees around the perimeter of the pattern.

11.3 The spray angle is to be determined by measuring the discharge cone diameter at a distance of 4 feet (1.2 m) from the discharge end of the nozzle while discharging water at the rated operating pressure. ~~The cone diameter is to be measured at the widest observed discharge angle when operating the nozzle throughout its intended spray angle adjustments.~~ The nozzle is to be adjusted to obtain the widest discharge angle. The smallest diameter (or pattern width) of the discharge pattern is to be measured. The discharge angle (θ) is to be calculated using the following formula:

$$\theta = 2 \times \tan^{-1} (d/8)$$

Where: d = diameter of discharge cone measured in feet, or

$$\theta = 2 \times \tan^{-1} (d/2.44)$$

Where: d = diameter of discharge cone measured in meters, or

12.2 A sample of the nozzle is to be installed on the same apparatus used in the Discharge Pattern Test, Section 11. The sample is to be adjusted to achieve the narrowest stream possible, ~~and the spray cone angle of the stream.~~ The smallest diameter (or pattern width) of the discharge pattern is then to be measured with both the rated operating pressure and rated inlet pressure established at the inlet of the nozzle.

14.7 For rotational-type controls, a string not exceeding 3/32 inch (2.9 mm) diameter is to be wrapped around the nozzle at the point where the nozzle would be normally

gripped to rotate the operating mechanism. The string is to be of sufficient length to wrap around the nozzle not less than six times. The starting end of the string is to be anchored to prevent slippage and the last four wraps of string are to not overlap each other. A force gauge, which records the maximum force reading, is to be attached to the string and pulled perpendicular to the center axis of the nozzle so that the string will unwind. For a lever type control, the force gauge is to be connected to the lever to measure the operating force. If the measured operating force varies based upon the location of the string pull within the gripping area, the operating force shall permitted to be measured at multiple locations within the gripping area and the lowest measured operating force value shall permitted to be used to determine compliance with 14.1
14.5.

14.8 Subsequent to the testing described in 14.6, the sample nozzle is to be set at the ~~maximum rated flow setting, and~~ subjected to a pressure of 1-1/2 times the rated inlet pressure but not less than 300 psi (2070 kPa), for 1 minute with the nozzle closed. After the supply pressure has been reduced to the rated inlet pressure and before making any other adjustments to the nozzle controls, the operating force required to just open (for rotational type control) or to open (for lever type control) is to be measured in accordance with the method described in 14.6 except that the rated inlet pressure is to be applied to the nozzle rather than 100 psig (689 kPa). ~~a~~ All nozzle functions, such as pattern selection, flush, flow adjustments, and shutoff, are then to be tested and observations made for proper functioning. Also, t The remaining operating force measurements of the rotational or lever type control are then to isbe taken measured in accordance with the method described in 14.6 except that the rated inlet pressure is to be applied to the nozzle rather than 100 psig (689 kPa). This testing is to be conducted at the maximum flow setting, if the nozzle is provided with multiple flow setting adjustments.

16.2 The nozzle is to be conditioned at 135°F (57°C) for at least 24 hours. Immediately after being removed from the heating chamber, the uncharged nozzle sample is to be tested for proper function of all adjustments and controls. The nozzle is then to be subjected to the Test on Controls, Section 14.

18.2 Two sample nozzles are each to be attached to hose sections 10 feet (3 m) long. One of the nozzle-hose assemblies is to remain unpressurized uncharged without water and the other is to be pressurized to 100 psi (689 kPa). The nozzles are to be in the shutoff position and conditioned at room temperature.

18.3 The unpressurized uncharged nozzle-hose assembly is to be dropped from a height of 6 feet (1.8 m) onto a concrete surface so that it impacts directly on the discharge end of the nozzle.

18.4 Both the unpressurized uncharged and pressurized nozzle assembly is then each to be dropped twice from a height of 6 feet (1.8 m) onto a concrete surface, so that the points of impact from the dropping are on two different sides of the nozzle. For a nozzle

equipped with a shutoff handle or lever, one of the points of impact is to be directly on the handle or lever. For a nozzle equipped with a handhold, one of the points of impact is to be directly on the handhold.

23 PolymericNonmetallic Nozzle Tests

23.1 General

23.1.1 A polymericnonmetallic nozzle or a nozzle containing polymericnonmetallic parts (except those constructed of polytetrafluoroethylene) that impact the nozzle performance or ability to operate the nozzle ~~shape the discharge pattern~~ shall not crack, craze, leak, or burst when subjected in succession to the Rough Usage Test, Section 18, Leakage Test, Section 19, and Hydrostatic Pressure Test, Section 20, after being subjected in three separate groups of three samples each to the tests described in 23.2.1 - 23.4.

Exception: ~~Elastomeric components are permitted to be replaced prior to conducting the post-exposure tests.~~

Exception No. 1: Samples subjected to the Rough Usage Test after the Air-Oven Aging Test are to be dropped only once in the uncharged nozzle-hose assembly drop orientations, as specified in 18.

Exception No. 2: Elastomeric components are permitted to be replaced prior to conducting the post-exposure tests.

23.2 Air-oven aging test

23.2.1 Samples of the nozzles or polymeric parts are to be subjected to air-oven aging for 180 days at 70°C (158°F), and then cooled for at least 24 hours in air at 23°C (74°F) and 50 percent relative humidity.

23.2.2 If a material is capable of withstanding a higher temperature than that specified in 23.2.1 without excessive softening, distortion, or deterioration, an air-oven aging test at a higher temperature for a shorter period of time, but not less than 30 days, shall be permitted. The duration of exposure is to be calculated from the following equation:

$$D = (23016) e^{-0.0693t}$$

in which:

D is the test duration in days; and

t is the test temperature in °C.

23.3 Light and water exposure test

23.3.1 For polymeric nozzles or external polymeric parts that can be exposed to sunlight, sSample nozzles or parts are to be ~~subjected~~exposed to an ultraviolet light exposure using a carbon arc apparatus in accordance with the Standard Practice for Operating Carbon Arc Light Apparatus for Exposure of Non Metallic Materials, ASTM G153, or a xenon arc apparatus in accordance with the Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non Metallic Materials, ASTM G155. Testing is to be in accordance with the Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources, ASTM G151. The exposure period shall be for 720 hours for carbon -arc or 1000 hours for xenon -arc conditioning.

23.4 Water exposure test

23.4.1 Sample nozzles or polymeric parts are to be immersed for 30 days in water at 82°C (180°F), and then cooled for at least 16 hours in air at 23°C (74°F) and 50 percent relative humidity.

27.4 Each basic spray nozzle shall be marked with the rated operating pressure and rated flow or flows if more than one rated flow is designated by the manufacturer at positions of straight stream and full spray. The straight stream alignment of parts shall ~~be marked with an indicated or raised line~~. A constant flow (gallonge) or constant/select flow (gallonge) nozzle shall be marked to indicate the flow at each position. A constant pressure (automatic) nozzle shall be marked with the minimum and maximum rated flows.

27.5 An adjustable pattern nozzle shall be marked:

- a) To indicate specific straight stream and spray pattern settings; or
- b) With arrow(s) indicating the direction of adjustments for straight stream or spray pattern (open and close).

BSR/UL 1581, Standard for Safety for the Reference Standard for Electrical Wired, Cables, and Flexible Cords

PROPOSALS

1. ICP Test Method, New 492.8.1; Revised 492.2, 492.3, 492.7, 492.8, 492.9

492.2 The analysis is to be performed on an atomic absorption (AA) spectrophotometer by the flame technique, or an inductively coupled plasma (ICP) spectrophotometer. The instrument is to be calibrated using standards of known metallic content. The sample solutions are then to be analyzed and the values derived by plotting the readings on the calibration curve.

492.3 One of ~~three~~ two sample preparation methods is to be used as described in this section. Where the Perchloric / Nitric Acid Digestion method (Method 1) cannot be used, Method 2 or Method 3 is to be employed. In either case, quantitative metal content comparisons are to be made between data derived only from the same sample preparation method.

492.7 SAMPLE PREPARATION METHOD 2 (NITRIC ACID DIGESTION OF THE THF-INSOLUBLE PORTION FOR LEAD, CADMIUM, AND ZINC) - The PVC sample (250 - 325 mg) is to be dissolved in a test tube using stabilized tetrahydrofuran (THF) See 490.4 or another solvent with demonstrated comparable compound component solubilities for ~~and~~ Pb, Cd, Zn, and Ba recoveries. The solution is to be centrifuged to separate the insolubles. The THF/PVC resin solution is to be decanted, and the insoluble portion washed with additional solvent, centrifuged, and decanted to remove the soluble compound components. The insoluble pellet is then to be dried in an explosion-proof oven. After drying, the pellet is to be dissolved in dilute nitric acid and the solution is to be filtered. The tube and filter are to be washed several times with hot, dilute nitric acid. The sample is to be diluted to a known volume and analyzed.

492.8 SAMPLE PREPARATION METHOD 2 (HYDROCHLORIC ACID DIGESTION OF THE SAMPLE ASH FOR BARIUM) - The PVC sample (1.0 - 1.2 g) is to be ashed slowly using a ceramic crucible in a muffle furnace by raising the temperature from 250°C to 650°C in steps. The final temperature is to be held for 30 min. The ash is to be digested with a hot, 50-percent solution of hydrochloric acid. The solution is then to be filtered. The crucible and filter are to be washed several times with hot, 10-percent hydrochloric acid. The sample solution is to be diluted to a known volume and analyzed.

492.8.1 SAMPLE PREPARATION METHOD 3 [MICROWAVE FURNACE ASSISTED HYDROCHLORIC AND NITRIC ACID (W/ HYDROGEN PEROXIDE) DIGESTION FOR LEAD, CADMIUM, ZINC, AND BARIUM] - In a suitable vessel, the PVC sample (250 - 355 mg) is digested with a microwave furnace in a mixture (approximately 25/60/15) of concentrated hydrochloric (34 - 37 percent), concentrated nitric acid (67 - 70 percent) and hydrogen peroxide (approximately 30 percent) until all of the polymeric and other carbon-based materials are decomposed. After the solution has cooled, the solution is then to be filtered. The microwave digestion beaker and filter paper are to be washed with several portions of water. The filtrate and washings are to be diluted to a known volume and analyzed.

492.9 REPORT - The report is to include each of the following:

- a) The sample preparation method used (Method 1, ~~or~~ Method 2, or Method 3) and complete identification of the PVC material tested - including the designation for the material and the form and color of the sample.
- b) The measurement instrument used (atomic absorption (AA) spectrophotometer by the flame technique, or inductively coupled plasma (ICP) spectrometer).
- ~~c~~ b) The name and/or tradename of the material manufacturer and the assigned code (file number).
- ~~d~~ e) The sample weight, initial volume including any dilutions, and the AA spectrophotometer response.

- e) The type of metal and its content in the material expressed in parts per thousand of the compound.
- f) The test date(s) and operator identification.

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BSR/UL 1703, Standard for Safety for Flat-Plate Photovoltaic Modules and Panels

1. Addition of an Alternative Factory Wet Insulation-Resistance Test to the Current Factory Dielectric Voltage-Withstand Test for Production Line Tests.

43 Factory Dielectric Voltage-Withstand Test and Factory Wet Insulation-Resistance Test

43.1 General

43.1.1 Each module or panel shall comply with either the Factory Dielectric Voltage-Withstand Test, Section 43.2, or the Factory Wet Insulation-Resistance Test, Section 43.3.

43.2 Factory Dielectric Voltage-Withstand Test

43.1-~~43.2.1~~ Each module or panel shall withstand for 1 min without electrical breakdown as a routine production line test, the application of a dc test potential as specified in 43.2 ~~43.2.2~~, between parts involving a risk of electric shock and accessible metal parts.

Exception No. 1: The test period may be reduced to 1 s if the test potential is increased to 120 percent of the value specified in 43.2 ~~43.2.2~~.

Exception No. 2: A module or panel with a system voltage rating of 30 V or less need not be tested.

~~43.2~~ ~~43.2.2~~ The dc test potential shall be $2V + 1000 \text{ V}$, where "V" is the rated maximum acceptable system voltage.

~~43.3~~ ~~43.2.3~~ The test equipment is to include a means of indicating the test voltage that is being applied to the product under test. This may be accomplished by sensing the voltage at the test leads or by an equivalent means. The test equipment is also to include a means of effectively indicating unacceptable performance. The indication is to be:

- a) Audible, if it can be readily heard above the background noise level;
- b) Visual, if it commands the attention of the operator; or
- c) A device that automatically rejects an unacceptable product. If the indication of unacceptable performance is audible or visual, the indication is to remain active and conspicuous until the test equipment is manually reset.

43.4 ~~43.2.4~~ The test potential specified in 43.2 ~~43.2.2~~ may be obtained from any convenient source having a capacity of at least 500 VA.

Exception: The capacity may be lower if the means of indicating the test voltage is located in the output circuit - to maintain the potential indicated in 43.2 ~~43.2.2~~ except in case of breakdown. The voltage of the source is to be continuously adjustable.

43.5 ~~43.2.5~~ The test equipment is to indicate unacceptable performance within 0.5 s if the leakage current at the test voltage exceeds 50 μA .

43.6-43.2.6 The test is to be conducted when the module is complete and ready for packing, or when it is complete except for covers or other parts that may interfere with the performance of the test.

43.3 Factory Wet Insulation-Resistance Test

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43.3.1 This test verifies that the insulation properties of outer surfaces of the production PV modules meet the electrical safety requirements of this standard.

43.3.2 Each module or panel shall withstand the requirements of the Wet Insulation-Resistance Test, Section 27.

Exception No. 1: Test voltage, test duration and water temperature of Section 27 shall be changed for Production Line Tests as described in 43.3.3.

Exception No. 2: Terminal boxes and pigtail-leads or other connectors do not need to be wetted.

43.3.3 The test voltage U_{TEST} is calculated by multiplying the maximum system voltage U_{SYS} by a factor Y .

$$U_{TEST} = U_{SYS} \times Y$$

43.3.4 With reference to 43.3.3, $Y = 1$ is used for a minimum test duration of 1 min. $Y = 1.2$ is used for a minimum test duration of 5 s. Ramp-up time for test voltage is chosen such that no time induced breakdown will occur. During the test no breakdown of test voltage shall occur.

43.3.5 The temperature range of the water is to be 15 °C to 45 °C. The leakage current shall be corrected to 25 °C using a demonstrated correction factor for the PV module, to be determined for each PV module type.

43.3.6 For PV modules with cemented joints, U_{TEST} shall be increased by a factor of 1.35.

Note: An example for $U_{SYS} = 1500$ V for cemented joints for test duration of 5 s is $U_{TEST} = 1500$ V \times 1.2 \times 1.35 = 2430 V.

2. Revision to Require a Marking to Differentiate Model Groups with Different Power Ratings

47.1 A module or panel shall have a plain, legible, permanent marking that includes:

- a) The manufacturer's name, trademark, or other descriptive marking by which the organization responsible for the product can be identified;
- b) The model number or the equivalent - a unique model number / identifier shall be required for each module that has a different power rating (due to various factors such as but not limited to: cell technology, substrate color, number of interconnects per cell);
- c) The electrical ratings - see 46.1;

d) The date or other dating period of manufacture not exceeding any three consecutive months; and

e) If the module is equipped with PV wiring connectors that comply with the Standard for Connectors for Use in Photovoltaic Systems, UL 6703, the specific allowable mating connector manufacturer(s) and model number(s).

Exception No. 1: The manufacturer's identification may be in a traceable code if the product is identified by the brand or trademark owned by a private labeler.

Exception No. 2: The date of manufacture may be abbreviated; or may be in a nationally accepted conventional code or in a code affirmed by the manufacturer, provided that the code:

- a) Does not repeat in less than 10 years; and*
- b) Does not require reference to the production records of the manufacturer to determine when the product was manufactured.*

Exception No. 3: With regards to part (e), if it is deemed impractical to include this information directly on the module product itself, the statement "See module literature for appropriate mating connectors" or equivalent may be used.

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BSR/UL 62841-2-4, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 2-4: Particular Requirements For Sanders and Polishers Other Than Disk Type

1. Proposed Revision To Table 4, Required Performance Levels, To Align With Changes In IEC Corrigendum 1 Of IEC 62841-2-4

18 Abnormal operation

This clause of Part 1 is applicable, except as follows:

18.8 Table 4 Replacement:

Table 4 – Required performance levels

Type and purpose of SCF	Minimum Performance Level (PL)
Power switch – prevent unwanted switch-on	a
Power switch – prevent unwanted switch-on for tools where the bit does not rotate without applying axial pressure	Not a SCF
Power switch – provide desired switch-off	a
Power switch – provide desired switch-off for tools where the bit does not rotate without applying axial pressure	Not a SCF
Provide desired direction of rotation	Not a SCF
Any electronic control to pass the test of 18.3	Not a SCF
Any speed limiting device	Not a SCF
Prevent exceeding thermal limits as in Clause 18	a
Prevent self-resetting as required in 23.3	a

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BSR/UL 62841-2-9, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 2-9: Particular Requirements For Hand-Held Tappers And Threaders

1. Proposed Revision To Table 4, Required Performance Levels, In Clause 18 And Clause K.18 To Align With Changes In IEC Corrigendum 1 Of IEC 62841-2-9

18.8 Replacement of Table 4:

Table 4 – Required performance levels

Type and purpose of SCF	Minimum Performance Level (PL)
Power switch – prevent unwanted switch-on for tappers	a
Power switch – prevent unwanted switch-on for threaders	a
Power switch – provide desired switch-off for tappers	b
Power switch – provide desired switch-off for threaders	c
Provide desired direction of rotation	Not a SCF
Any electronic control to pass the test of 18.3	Not a SCF
Any speed limiting device	Not a SCF
Prevent exceeding thermal limits as in Clause 18	a
Prevent self-resetting as required in 23.3 for tappers	a
Prevent self resetting as required in 23.3 for threaders	a

K.18.8 Replacement of Table 4:

Table 4 – Required performance levels

Type and purpose of SCF	Minimum performance level (PL)
Power switch – prevent unwanted switch-on for tappers	a
Power switch – prevent unwanted switch-on for threaders	a
Power switch – provide desired switch-off for tappers	a
Power switch – provide desired switch-off for threaders	c
Provide desired direction of rotation	Not a SCF
Any electronic control to pass the test of 18.3	Not a SCF
Any speed limiting device	Not a SCF
Prevent exceeding thermal limits as in Clause 18	a
Prevent self-resetting as required in 23.3 for tappers	a
Prevent self resetting as required in 23.3 for threaders	a

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