ANSI STANDARDS ACTION

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## Contents



# 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



**ISSN 0038-9633**

# Comment Deadline: December 20, 2015

## ASME (American Society of Mechanical Engineers)

***Revision***

BSR/ASME PTC 19.3TW-201x, Thermowells (revision of ANSI/ASME PTC 19.3-2010)

This Standard applies to thermowells machined from bar stock and includes those welded to or threaded into a flange as well as those welded into a process vessel or pipe with or without a weld adaptor.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Angel L. Guzman, guzman@asme.org

## NSF (NSF International)

***Revision***

BSR/NSF 170-201x (i18r3), Glossary of food equipment technology (revision of ANSI/NSF 170-2014)

Definitions covered by this Standard consist of terminology related to food equipment, including terms describing equipment, materials, design, construction, and performance testing. This Standard includes common definitions of terms used throughout NSF Food Equipment and Sanitation Standards.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Allan Rose, (734) 827-3817, arose@nsf.org

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 583-201X, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2015)

UL proposes the following changes to UL 583: removal of 150 volt statement in 1.4, addition of new battery cable requirements, addition of UL 2271 to Section 15.2, and exception of 17.1.2.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Nicolette Allen, (919) 549-0973, Nicolette.Allen@ul.com

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 796-201x, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2013)

Resolve comments received by UL to proposals for new and revised requirements for UL 796 dated October 17, 2014.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Derrick Martin, (408) 754-6656, Derrick.L.Martin@ul.com

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 1026-201X, Standard for Safety for Electric Household Cooking and Food Serving Appliances (Proposals dated 11/20/15) (revision of ANSI/UL 1026-2015)

(2) Addition of separate action for stay-on function for toaster ovens, new 22.12.1 and 22.12.2; (3) Redundant control based of Food Load Ignition Test, New 22.18, 55.2.5.13, 55.2.5.14, 55.2.10.6, 60.4, 60.4.1, 60.4.2, Revised 71.6.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (408) 754-6684, Linda.L.Phinney@ul.com

# Comment Deadline: January 4, 2016

## ASABE (American Society of Agricultural and Biological Engineers)

***Reaffirmation***

BSR/ASABE/ISO 5007:2003 MAY2006 (R201X), Agricultural wheeled tractors - Operator's seat - Laboratory measurement of transmitted vibration (reaffirmation of ANSI/ASABE/ISO 5007-2003 (R2011))

Specifies, in accordance with ISO 10326-1:1992, a laboratory method for measuring and evaluating the effectiveness of the suspension of operator seats on agricultural wheeled tractors. It also specifies acceptance criteria based on the test results, while defining the input spectral classes relating to three classes of agricultural tractor with rubber tyres, unsprung rear axles and no low-frequency cab isolation - those of up to 3 600 kg (class 1), those of from 3 600 kg to 6 500 kg (class 2), and those of over 6 500 kg (class 3).

Single copy price: $58.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

## ASABE (American Society of Agricultural and Biological Engineers)

***Reaffirmation***

BSR/ASAE S354.5 JAN2006 (R201x), Safety for Farmstead Equipment (reaffirmation of ANSI/ASAE S354.5-2006 (R2011))

The purpose of this Standard is to provide a reasonable degree of personal safety for operators and other persons during normal operation and servicing of farmstead equipment.

Single copy price: $58.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

## ASABE (American Society of Agricultural and Biological Engineers)

***Reaffirmation***

BSR/ASAE S390.5 JAN2011 (R201x), Definitions and Classifications of Agricultural Field Equipment (reaffirmation of ANSI/ASAE S390.5-2010)

This Standard provides classifications and definitions of agricultural field equipment designed primarily for use in agricultural operations for the production of food, fiber, feedstock, and fuel. This Standard is intended to establish uniformity in terms used for agricultural field equipment in standards, technical papers, specifications, and in general usage.

Single copy price: $58.00

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

## ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

***New Standard***

BSR/ASHRAE Standard 41.8-201x, Standard Methods for Liquid Flow Measurement (new standard)

Standard 41.8-1989R prescribes methods for liquid flow measurement and applies to laboratory and field liquid flow measurement for testing heating, ventilating, air conditioning, and refrigerating systems and components.

Single copy price: $35.00

Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

## ASME (American Society of Mechanical Engineers)

***Revision***

BSR/ASME A17.1/CSA B44-20XX, Safety Code for Elevators and Escalators (revision and redesignation of ANSI/ASME A17.1-2013)

This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks, and material lifts.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Geraldine Burdeshaw, (212) 591-8523, burdeshawg@asme.org

## AWS (American Welding Society)

***New Standard***

BSR/AWS/NAVSEA B2.1-8-308-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

Single copy price: $124.00

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

## AWS (American Welding Society)

***New Standard***

BSR/AWS/NAVSEA B2.1-8-318-201x, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX, in the As-Welded Condition, Primarily Pipe for Naval Applications (new standard)

This standard contains the essential welding variables for austenitic stainless steel in the thickness range of 1/8 inch [3 mm] through 1-1/2 inch [38 mm], using manual gas tungsten arc welding. It cites the base metals and operating conditions necessary to make the weldment, the filler metal specifications, and joint designs for groove and fillet welds. This SWPS-N was developed primarily for naval applications that require performance to NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.

Single copy price: $124.00

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)

***Revision***

BSR/AWWA C541-201x, Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves and Slide Gates (revision of ANSI/AWWA C541-2008)

This standard describes hydraulic and pneumatic linear and quarter turn actuators for operation of valves and slide gates in utility systems.

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

## CSA (CSA Group)

***Reaffirmation***

BSR Z21.57 (R201x), Recreational Vehicle Cooking Gas Appliances (reaffirmation of ANSI Z21.57-2010)

Details test and examination criteria for recreational-vehicle cooking-gas appliances for use with liquefied petroleum gases or for use with natural gas convertible for use with liquefied petroleum gases. This standard defines a recreational vehicle cooking gas appliance as an appliance for domestic food preparation, providing at least one function of (1) top or surface cooking, (2) oven cooking, or (3) broiling and having design features enabling it to meet the special conditions connected for use in a recreational vehicle.

Single copy price: Free

Obtain an electronic copy from: cathy.rake@csagroup.org

Order from: Cathy Rake, (216) 524-4990 x88321, cathy.rake@csagroup.org

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

## ESA (Electronic Security Association, Inc.)

***Withdrawal***

BSR/NBFAA SRSS-01-2007, Standard for Remote Supervising Station (withdrawal of ANSI/NBFAA SRSS-01-2007)

This Standard provides the requirements for remote supervising stations, and subsidiary stations, including transmission methods used to send fire alarm, supervisory, and trouble signals, and signals indicating restoration to normal; facility construction and protection; installation and maintenance requirements for all equipment and software necessary for its operation; standard operations and emergency operational procedures, including signal processing; and re-transmission of signals to the local fire department (or similar agency), and record keeping.

Single copy price: Free (NBFAA members) / $99.00 (non-members)

Obtain an electronic copy from: https://esaweb.site-ym.com/store/ViewProduct.aspx?id=727092

Order from: https://esaweb.site-ym.com/store/ViewProduct.aspx?id=727092

Send comments (with copy to psa@ansi.org) to: Michelle Yungblut, (972) 807-6830, Michelle.Yungblut@ESAweb.org

## HL7 (Health Level Seven)

***New Standard***

BSR/HL7 V3 PA ENCOUNTER, R1-201x, HL7 Version 3 Standard: Patient Administration; Patient Encounter, Release 1 (new standard)

The Patient Administration standard defines the requirements and specifications to support interoperability among clinical and non-clinical systems regarding patient encounters and administrative registries.

Single copy price: Free to HL7 members; free to non-members 90 days following ANSI approval and HL7 publication

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

## HL7 (Health Level Seven)

***Reaffirmation***

BSR/HL7 EHR LTCFP, R1-2010 (R201x), HL7 EHR System Long Term Care Functional Profile, Release 1 - US Realm (reaffirmation of ANSI/HL7 EHR LTCFP, R1-2010)

The LTC EHR-S Functional Profiles serves as a key resource to CCHIT in the development of certification requirements for EHR systems in the long-term care - nursing home community. In addition, the functional profile will provide the foundation for vendor/provider communication regarding expectations and requirements for EHR systems deployed in this care setting.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

## HL7 (Health Level Seven)

***Reaffirmation***

BSR/HL7 V3 COMT, R3-2010 (R201x), HL7 Version 3 Standard: Shared Messages, Release 3 (reaffirmation of ANSI/HL7 V3 COMT, R3-2010)

The shared message domains contain message types and interactions that are used by various clinical and administrative domains.

Single copy price: Free to members and non-members

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

## HPVA (Hardwood Plywood & Veneer Association)

***Revision***

BSR/HPVA HP-1-201x, Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2009)

Details the specific requirements for all face, back, and inner ply grades as well as provisions for formaldehyde emissions, moisture content, manufacturing tolerances, sanding, and grade marking.

Single copy price: $25.00

Obtain an electronic copy from: innovate@hpva.org

Order from: Brian Sause, (703) 435-2900, bsause@hpva.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 61804-3-201x, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 3: EDDL Syntax and semantics (identical national adoption of IEC 61804-3:2015)

This standard specifies the Electronic Device Description Language (EDDL) technology, which enables the integration of real product details using the tools of the engineering life cycle. This standard specifies EDDL as a generic language for describing the properties of automation system components. EDDL is used to create Electronic Device Description (EDD), for example, concrete devices, common usable profiles or libraries. This EDD is used with appropriate tools to generate an interpretative code to support parameter handling, operation, and monitoring of automation system components such as remote I/Os, controllers, sensors, and programmable controllers.

Single copy price: $450.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 61804-4-201x, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 4: EDD interpretation (identical national adoption of IEC 61804-4:2015)

This standard specifies EDD interpretation for EDD applications and EDDs to support EDD interoperability. This document is intended to ensure that field device developers use the EDDL constructs consistently and that the EDD applications have the same interpretations of the EDD. It supplements the EDDL specification to promote EDDL application interoperability and improve EDD portability between EDDL applications.

Single copy price: $420.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 61804-5-201x, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 5: EDDL Builtin library (identical national adoption of IEC 61804-5:2015)

This standard specifies the EDDL Builtin library and provides the profiles of the various fieldbuses.

Single copy price: $450.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-1-201x, Field Device Integration (FDI) - Part 1: Overview (identical national adoption of IEC 62769-1)

This standard describes the concepts and overview of the Field Device Integration (FDI) specifications. The detailed motivation for the creation of this technology is also described.

Single copy price: $250.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-2-201x, Field Device Integration (FDI) - Part 2: FDI Client (identical national adoption of IEC 62769-2)

This standard specifies the FDI Client and specific architectural components within the overall FDI architecture.

Single copy price: $420.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-3-201x, Field Device Integration (FDI) - Part 3: FDI Server (identical national adoption of IEC 62769-3:2015)

This standard specifies the FDI Server and specific architectural components within the overall FDI architecture.

Single copy price: $365.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-4-201x, Field Device Integration (FDI) - Part 4: FDI Packages (identical national adoption of IEC 62769-4:2015)

This standard specifies the FDI Packages and specific architectural components within the overal1 architecture.

Single copy price: $380.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-5-201x, Field Device Integration (FDI) - Part 5: FDI Information Model (identical national adoption of IEC 62769-5:2015)

This standard defines the FDI Information Model. One of the main tasks of the Information Model is to reflect the topology of the automation system. Therefore, it represents the devices of the automation system as well as the connecting communication networks including their properties, relationships, and the operations that can be performed on them. The types in the AddressSpace of the FDI Server constitute some kind of catalog, which is built from FDI Packages.

Single copy price: $330.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-6-201x, Field Device Integration (FDI) - Part 6: FDI Technology Mapping (identical national adoption of IEC 62769-6:2015)

This standard specifies the technology mapping for the concepts described in the Field Device Integration (FDI) standard. The technology mapping focuses on implementation regarding the components FDI Client and User Interface Plug-in (UIP) that are specific only to the workstation platform as defined in ISA-62769-4:2015, Annex E.

Single copy price: $225.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-7-201x, Field Device Integration (FDI) - Part 7: FDI Communication Devices (identical national adoption of IEC 62769-7:2015)

This standard specifies the elements implementing communication capabilities called Communication Devices (ISA-62769-5).

Single copy price: $370.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-101-1-201x, Field Device Integration (FDI) - Part 101-1: Profiles - Foundation Fieldbus H1 (identical national adoption of IEC 62769 -101-1:2015)

This standard specifies an FDI profile of ISA-62769 for IEC 61784-1_CP 1/1 (FOUNDATION™ Fieldbus H1).

Single copy price: $250.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-101-2-201x, Field Device Integration (FDI) - Part 101-2: Profiles - FOUNDATION™ Fieldbus HSE (identical national adoption of IEC 62769-101-2:2015)

This standard specifies the ISA-62769 profile for IEC 61784-1, CP 1/2 (FOUNDATION™ Fieldbus HSE).

Single copy price: $220.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-103-1-201x, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS (identical national adoption of IEC 62769-103-1:2015)

This standard specifies an FDI profile of ISA-62769 for IEC 61784 1_CP 3/1 (PROFIBUS DP) and IEC 61784 1_CP3/2 (PROFIBUS PA).

Single copy price: $255.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-103-4-201x, Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET (identical national adoption of IEC 62769-103-4:2015)

This standard specifies an FDI profile of ISA-62769 for IEC 61784-2_CP 3/4, IEC 61784-2_CP3/5 and IEC 61784-2_CP3/6 (PROFINET).

Single copy price: $280.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***New National Adoption***

BSR/ISA 62769-109-1-201x, Field Device Integration (FDI) - Part 109-1: Profiles - HART and WirelessHART (identical national adoption of IEC 62769 -109-1:2015)

This standard specifies an FDI profile of ISA-62769 for IEC 61784 1_CP 9/1 (HART®) and IEC 61784 1_CP 9/2 (WirelessHART®).

Single copy price: $305.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## ISA (International Society of Automation)

***Revision***

BSR/ISA 18.2-201x, Management of alarm systems for the process industries (revision of ANSI/ISA 18.2-2009)

Addresses the development, design, installation, and management of alarm systems in the process industries. Alarm management includes multiple work processes throughout the alarm system lifecycle. This standard defines the terminology and models to develop an alarm system, and it defines the work processes recommended to effectively maintain the alarm system throughout the lifecycle.

Single copy price: $99.00 usd

Order from: Charles Robinson, (919) 990-9213, crobinson@isa.org

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

## ISA (International Society of Automation)

***Revision***

BSR/ISA 75.08.09-201x, Face-to-Face Dimensions for Sliding Stem Flangeless Control Valves (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.09-2005 (R2010))

This standard applies to sliding stem flangeless control valves, sizes 20 mm (3/4 inch) through 600 mm (24 inches) for Classes 150, 300, and 600.

Single copy price: $40.00

Obtain an electronic copy from: ebrazda@isa.org

Order from: Eliana Brazda, (919) 990-9228, ebrazda@isa.org

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

## NACE (NACE International, the Corrosion Society)

***Revision***

BSR/NACE Standard TM0177-201x, Laboratory Testing of Metals for Resistance to Sulfide Stress Cracking and Stress Corrosion Cracking in H2S Environments (revision of ANSI/NACE TM0177-2005)

This standard addresses testing of metals subjected to tensile stresses for resistance to cracking failure in low-pH aqueous environments containing H2S. The test method covers sulfide stress cracking (room temperature, atmospheric pressure) and stress corrosion cracking (elevated temperatures and pressures). Four test methods are described.

Single copy price: 45.00 (Non-members)/$32.00 (NACE members)

Obtain an electronic copy from: NACE International

Order from: Rick Southard, rick.southard@nace.org

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

## NEMA (National Electrical Manufacturers Association)

***New Standard***

BSR/ICEA S-83-596-201x, Standard for Indoor Optical Fiber Cable (new standard)

This standard defines optical fiber cables intended for use in the buildings of communications users. Materials, constructions and performance requirements are included in the Standard, together with applicable test procedures. Products covered by this standard are intended only for operation under conditions normally found in communication systems. Typically, these products are installed both in exposed areas (surface mounted to walls or building baseboards or in nonstationary configurations) and in concealed areas (within walls, attics, etc.), with or without external protection (such as conduit), depending upon product type and specific use. These products normally convey communications signals (voice, video, data, etc.) from place to place within a building. Products covered by this Standard may be factory terminated with connectors or splicing modules.

Single copy price: $170.00

Obtain an electronic copy from: Kevin.Connelly@nema.org

Order from: Kevin Connelly, (703) 841-3299, Kevin.Connelly@Nema.org

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

## NEMA (National Electrical Manufacturers Association)

***New Standard***

BSR/SG-IPRM 1-201x, Smart Grid Interoperability Process Reference Manual (new standard)

The Interoperability Process Reference Manual (IPRM) defines a process by which industry stakeholders may procure, test, and assert interoperability between disparate vendors of Smart Grid products to identified standards. This is accomplished by defining the relationships between Smart Grid stakeholders invested in this goal. This Standard defines requirements and recommendationsfor general test policies, test suite specifications, test profiles, interoperability testing and certification authority technical programs, governance, laboratory qualifications, and (process) improvements. Finally, this Standard describes an implementation approach.

Single copy price: $TBD

Order from: Khaled Masri, (703) 841-3278, khaled.masri@nema.org

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

## PLASA (PLASA North America)

***New Standard***

BSR E1.37-5-201x, General Purpose Messages for ANSI E1.20, RDM (new standard)

This document provides additional Get/Set parameter messages (PIDs) for use with the ANSI E1.20 Remote Device Management protocol.

Single copy price: Free

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

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

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

## PLASA (PLASA North America)

***New Standard***

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

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

Single copy price: Free

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

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

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

## PLASA (PLASA North America)

***New Standard***

BSR E1.53-201x, Overhead mounting of luminaires, lighting accessories, and other portable devices: Specification and practice (new standard)

The standard covers specifications for the primary and secondary mounting devices for portable stage and studio luminaires and accessories. It also covers these mounting devices for special effects equipment (e.g., fog machines and bubble machines) that are often mounted along with lighting equipment on trusses and rigging system battens. The standard would give guidance on how to properly affix these mounting devices.

Single copy price: Free

Obtain an electronic copy from: ttp://tsp.plasa.org/tsp/documents/public_review_docs.php

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

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

## TCIA (ASC A300) (Tree Care Industry Association)

***Revision***

BSR A300 (Part 1)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Pruning) (revision of ANSI A300 (Part 1) Pruning-2008 (R2014))

A300 (Part 1) Pruning standards provide acceptable industry performance parameters and an industry standard specification writing guide for pruning of trees, shrubs, and other woody plants. It is a guide for utilities, federal, state, municipal, and private authorities including property owners and property managers.

Single copy price: Free (electronic copy); $15.00 each (S&H) (paper copies)

Obtain an electronic copy from: rrouse@tcia.org

Order from: Robert Rouse, (603) 314-5380, rrouse@tcia.org

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

### UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 746F-201x, Standard for Safety for Polymeric Materials - Flexible Dielectric Film Materials For Use In Printed-Wiring Boards and Flexible Materials Interconnect Constructions (revision of ANSI/UL 746F-2012)

The following items represent proposed new and revised requirements for UL 746F: (1)Addition of requirements for an alternate condition for flammability samples to new paragraphs 4.3 and 4.4; (2) Addition of references to Section 7 and Table 7.1 of UL 746B, and to Section 8 of UL 746F, to paragraph 8.1.1; (3) Addition of tequirements to clarify the required samples for IR testing of non-homogenous films to Table 8.2; (4) Addition of requirements for sample thickness tolerance to a new Table 8.6; (5) Replacement of references to thermal shock with references to thermal stress throughout UL 746F; and (6) Deletion of the reference to Coverlay Test from paragraph 12.3.2.

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: Derrick Martin, (408) 754 -6656, Derrick.L.Martin@ul.com

### UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 1453-201X, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (Proposal dated 11-20-15) (revision of ANSI/UL 1453-2011)

This proposal contains the following: Revision of requirements to clarify water heater control safety critical functions.

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: Ross Wilson, (919) 549 -1511, Ross.Wilson@ul.com

## Comment Deadline: January 19, 2016

### ASME (American Society of Mechanical Engineers)

***Revision***

BSR/ASME A112.6.3-201x, Floor and Trench Drains (revision of ANSI/ASME A112.6.3-2001 (R2007))

This Standard covers floor, area, adjustable floor, and trench drains that are used inside of, or outside and immediately adjacent to, building structures. This Standard specifies design requirements, definitions, nomenclature, outlet types and connections, grate-free area, top loading classifications, materials, and finishes.

Single copy price: Free

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

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

Send comments (with copy to psa@ansi.org) to: Angel L. Guzman, guzman@asme.org

### IEEE (Institute of Electrical and Electronics Engineers)

***New Standard***

BSR/IEEE 60079-30-1-201x, IEC/IEEE International Standard - Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements (new standard)

This part of IEC 60079 specifies general and testing requirements for electrical-resistance trace heaters for application in explosive atmospheres with the exclusion of those for EPL Ga and Da.

Single copy price: $86.00 (pdf); $107.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

### IEEE (Institute of Electrical and Electronics Engineers)

***New Standard***

BSR/IEEE 60079-30-2-201x, IEEE/IEC International Standard for Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance (new standard)

This part of IEC 60079 provides guidance for the application of electrical-resistance trace heating systems in areas where explosive atmospheres may be present, with the exclusion of those classified as requiring EPL Ga/Da (traditional relationship to Zone 0 and Zone 20, respectively).

Single copy price: $86.00 (pdf); $107.00 (print)

Order from: online: http://standards.ieee.org/store

Send comments (with copy to psa@ansi.org) to: Karen Evangelista, (732) 562-3854, k.evangelista@ieee.org

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

***Supplement***

BSR/INCITS 504-1-2013/AM 1-201x, Information Technology - Generic Identity Command Set Part 1 - Amendment 1: Card Application Command Set (supplement to INCITS 504-1-2013)

This amendment aligns Part 1 of INCITS 504-1 to the newly released ISO/IEC 7816-4 standard; Simplify the Opacity protocols and fix bugs; Modify SCP03 protocol to describe creation of share secret Z; Make editorial changes, add clarifications, and fix errors.

Single copy price: $60.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: http://webstore.ansi.org

Send comments (with copy to psa@ansi.org) to: Deborah Spittle, (202) 626 -5746, comments@itic.org

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

***Supplement***

BSR/INCITS 504-2:2013/AM 1-201x, Information Technology - Generic Identity Command Set Part 2 - Amendment 1: Card Administrative Command Set (supplement to INCITS 504-2:2013)

Amendment 1 to INCITS 504-2:2013: Align Part 2 with changes related to Part 1 Amendment 1;  Make Editorial changes, add clarifications, and fix errors; Add Biometrics On Card Comparison (OCC) capability (possible impact); Add Over The Air (OTA) capability (possible impact).

Single copy price: $60.00

Obtain an electronic copy from: http://webstore.ansi.org

Order from: http://webstore.ansi.org

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

## UL (Underwriters Laboratories, Inc.)

***New Standard***

BSR/UL 83A-201X, Standard for Safety for Flouropolymer Insulated Wire (Proposal dated 11-20-15) (new standard)

UL proposes the first edition of UL 83A which specifies the requirements for 600 V, single-conductor, fluoropolymer-insulated wires and cables in accordance with NFPA 70, National Electrical Code (NEC).

Single copy price: Contact comm2000 for pricing and delivery options

Obtain an electronic copy from: www.comm-2000.com

Order from: Comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1 -888-853-3503

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549 -1511, Ross.Wilson@ul.com

## UL (Underwriters Laboratories, Inc.)

***Revision***

BSR/UL 749-201X, Standard for Safety for Household Dishwashers (revision of ANSI/UL 749-2013)

UL proposes a new edition of UL 749.

Single copy price: Contact comm2000 for pricing and delivery options

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

Order from: comm2000, 151 Eastern Avenue, Bensenville, IL 60106 USA, 1 -888-853-3503

Send comments (with copy to psa@ansi.org) to: Nicolette Allen, (919) 549 -0973, Nicolette.Allen@ul.com

# 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.

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**AWS (American Welding Society)**

**Office:** 8669 NW 36th Street
# 130
Miami, FL 33166

*Contact:* *Rakesh Gupta*

**Phone:** (305) 443-9353, x 301

**Fax:** (305) 443-5951

**E-mail:** gupta@aws.org

BSR/AWS A5.34/A5.34M-201X, Specification for Nickel-Alloy Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.34/A5.34M -2013)

**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 1082-201x, Tankless water heaters used as temperature control devices for hot water distribution systems (new standard)

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

**Office:** 1101 K Street NW
Suite 610
Washington, DC 20005-3922

*Contact:* *Deborah Spittle*

**Phone:** (202) 626-5746

**Fax:** (202) 638-4922

**E-mail:** comments@itic.org

BSR/INCITS 504-1-2013/AM 1-201x, Information Technology - Generic Identity Command Set Part 1 - Amendment 1: Card Application Command Set (supplement to INCITS 504-1-2013)

Obtain an electronic copy from: http://webstore.ansi.org

**MSS (Manufacturers Standardization Society)**

**Office:** 127 Park Street, NE
Vienna, VA 22180-4602

*Contact:* *Robert O'Neill*

**Phone:** (703) 281-6613

**Fax:** (703) 281-6671

**E-mail:** boneill@mss-hq.org

BSR/MSS SP-114-201x, Corrosion Resistant Pipe Fittings, Threaded and Socket Welding, Class 150 and 1000 (revision of ANSI/MSS SP -114-2007)

**NEMA (National Electrical Manufacturers Association)**

**Office:** 1300 North 17th Street
Suite 900
Rosslyn, VA 22209

*Contact:* *Khaled Masri*

**Phone:** (703) 841-3278

**Fax:** (703) 841-3367

**E-mail:** khaled.masri@nema.org

BSR/SG-IPRM 1-201x, Smart Grid Interoperability Process Reference Manual (new standard)

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

**Office:** 12 Laboratory Drive
Research Triangle Park, NC 27709-3995

*Contact:* *Ross Wilson*

**Phone:** (919) 549-1511

**Fax:** (631) 271-6200

**E-mail:** Ross.Wilson@ul.com

BSR/UL 83A-201X, Standard for Safety for Flouropolymer Insulated Wire (Proposal dated 11-20-15) (new standard)

Obtain an electronic copy from: www.comm-2000.com

BSR/UL 1453-201X, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (proposal dated 11-20-15) (revision of ANSI/UL 1453-2011)

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

# Call for Members (ANS Consensus Bodies)

## UL Standards Committees

### STP 104 (Standards Technical Panel for Elevator Door Locking Devices and Contacts)

STP 104 seeks to broaden its membership base and is recruiting new participants in the following interest categories:

**AHJ/Regulator:** Those involved in the regulation or enforcement of the requirements of codes and standards at a regional (e.g., state or province) and/or local level. The authority having jurisdiction/regulator may be a regional or local department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, state department of insurance official, labor department, or health department; building official; electrical inspector; or others having statutory authority.

**Commercial/Industrial User:** Organizations that use the product, systems, or service covered by the Standard for Elevator Door Locking Devices and Contacts, UL 104, in a commercial or industrial setting. Examples include a restaurant owner/operator serving on an STP for commercial cooking equipment, or a gas station owner/operator serving on an STP for flammable liquid storage tanks. Representative of organizations that produce products, systems, or services covered by UL 104, and whose organization also uses the product, system, or services, are not eligible under this interest category.

**Government:** Representatives from national government agencies. For U.S. representatives, these may include CPSC, FDA, EPA, DOT, DOE, DOD, NIST, etc. Also, representatives of regional (e.g., state or province) or local government bodies who do not fall under the category of AHJ/Regulator.

**Supply Chain:** Component producers for an STP responsible for standards covering end-products or end-product producers for an STP responsible for standards covering components; and installers, distributors, and retailers. Manufacturers who have no manufacturing facilities for the products covered by the STP, but solely use contract manufacturers to make the products are considered part of the Supply Chain interest category. Wholesale or retail purchase-resellers for products made by other companies are also considered as part of the Supply Chain interest category.

**Testing and Standards Organization:** Organizations that test and/or certify products, services, or systems covered by the Standard for Elevator Door Locking Devices and Contacts, UL 104, or that develop standards/codes related to the products, services, or systems covered by UL 104.

STP 104 covers the Standard for Safety for Elevator Door Locking Devices and Contacts, UL 104.

Contact:

**Derrick L. C. Martin**
Underwriters Laboratories Inc.
455 East Trimble Road
San Jose, CA 95131-1230
PHONE: (408) 754-6656
FAX: (408) 754-6656

# 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.

### AAMI (Association for the Advancement of Medical Instrumentation)

***New National Adoption***

ANSI/AAMI/ISO 5840-1-2015, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1): 11/16/2015

ANSI/AAMI/ISO 5840-2-2015, Cardiovascular implants - Cardiac valve prostheses - Part 2: Surgically implanted heart valve substitutes (identical national adoption of ISO 5840-2 and revision of ANSI/AAMI/ISO 5840-2005 (R2010)): 11/16/2015

ANSI/AAMI/ISO 12417-1-2015, Cardiovascular implants and extracorporeal systems - Vascular device-drug combination products - Part 1: General requirements (identical national adoption of ISO 12417-1): 11/16/2015

### ABYC (American Boat and Yacht Council)

***New Standard***

* ANSI/ABYC EDU-1-2015, On-Water Power Standards & Rubrics (new standard): 11/12/2015

### AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

***Revision***

ANSI/AHRI Standard 900 (I-P)-2015, Performance Rating of Thermal Storage Equipment Used for Cooling (revision of ANSI/AHRI Standard 900-2004): 11/13/2015

ANSI/AHRI Standard 901 (SI), Performance Rating of Thermal Storage Equipment Used for Cooling (revision of ANSI/AHRI Standard 901 (SI)-2010): 11/13/2015

### AIIM (Association for Information and Image Management)

***New National Adoption***

ANSI/AIIM/ISO 17469-1-2015, Strategy markup language (StratML) - Part 1: StratML core elements (identical national adoption of ISO 17469-1:2015 and revision of ANSI/AIIM 21-2009): 11/13/2015

### ASA (ASC S12) (Acoustical Society of America)

***Reaffirmation***

ANSI/ASA S12.7-1986 (R2015), Methods for Measurement of Impulse Noise (reaffirmation and redesignation of ANSI S12.7-1986 (R2006)): 11/3/2015

### ASME (American Society of Mechanical Engineers)

***Revision***

ANSI/ASME B30.14-2015, Side Boom Tractors (revision of ANSI/ASME B30.14-2010): 11/11/2015

### CSA (CSA Group)

***Reaffirmation***

* ANSI Z21.23-2010 (R2015), Gas Appliance Thermostats (reaffirmation of ANSI Z21.23-2010): 11/13/2015

* ANSI Z21.78-2010 (R2015)/CSA 6.20-2010 (R2015), Combination Gas Controls for Gas Appliances (same as CSA 6.20-2010) (reaffirmation of ANSI Z21.78-2010): 11/13/2015

### HL7 (Health Level Seven)

***Revision***

ANSI/HL7 CDAR2IG HAIRPT, R2-2015, HL7 Implementation Guide for CDA Release 2 - Level 3: Healthcare Associated Infection Reports, Release 2 - US Realm (revision of ANSI/HL7 CDAR2IG HAIRPT, R1-2013): 11/16/2015

### NFRC (National Fenestration Rating Council)

***Revision***

* ANSI/NFRC 100 [E0A1]-2015, Procedure for Determining Fenestration Product U-factors (revision and redesignation of ANSI/NFRC 100 -2014): 11/13/2015

### NSF (NSF International)

***Revision***

* ANSI/NSF 170-2015 (i17r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2014): 11/10/2015

### UL (Underwriters Laboratories, Inc.)

***New Standard***

* ANSI/UL 248-19-2015, Standard for Safety for Low-Voltage Fuses - Part 19: Photovoltaic Fuses (Proposal dated 1-30-15) (new standard): 11/13/2015

* ANSI/UL 4248-19-2015, Standard for Safety for Fuseholders - Part 19: Photovoltaic Fuseholders (Proposal dated 1-30-15) (new standard): 11/13/2015

***Reaffirmation***

ANSI/UL 363-2011 (R2015), Standard for Knife Switches (reaffirmation of ANSI/UL 363-2011): 11/13/2015

ANSI/UL 120404-2012 (R2015), Standard for Pressurized Enclosures (Proposal dated 09-04-15) (reaffirmation and redesignation of ANSI/ISA 12.04.04-2012): 11/13/2015

***Revision***

ANSI/UL 844-2015, Standard for Safety for Luminaires (Proposal dated 05-29-15) (revision of ANSI/UL 844-2012): 11/13/2015

ANSI/UL 844-2015a, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations (Proposal dated 10-02-15) (revision of ANSI/UL 844-2012): 11/13/2015

* ANSI/UL 2577-2015, Standard for Safety for Suspended Ceiling Grid Low Voltage Systems and Equipment (revision of ANSI/UL 2577 -2013a): 11/13/2015

# 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.

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**ASABE (American Society of Agricultural and Biological Engineers)**

**Office:** 2950 Niles Road
St Joseph, MI 49085

*Contact:* *Carla VanGilder*

**Fax:** (269) 429-3852

**E-mail:** vangilder@asabe.org

BSR/ASABE AD6489-3-2004 MONYEAR-201x, Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar (revision of ANSI/ASABE AD6489-3:2014)

Stakeholders: Tractor and implement manufacturers and users.

Project Need: Add clarification of the drawbar length for Type 1 PTO and clarification of clearance to tracks.

This standard gives general specifications, including dimensional requirements, location, vertical static load limits, safety chain attachments, and PTO clearance zone requirements for Category 0, 1, 2, 3, 4, and 5 drawbars mounted on the rear of agricultural tractors.

BSR/ASABE/ISO 27850-201x MONYEAR, Tractors for agriculture and forestry - Falling object protective structures - Test procedures and performance requirements (identical national adoption of ISO 27850:2013)

Stakeholders: Tractor manufacturers.

Project Need: Committee requested that this standard be nationally adopted in order to have it available if a government agency technical committee seeks to specify falling-object protection for agricultural tractors.

Sets forth the test procedures and performance requirements for a falling object protective structure, in the event such a structure is installed on an agricultural or forestry tractor. This Standard is applicable to agricultural and forestry tractors having at least two axles for pneumatic-tired wheels or having tracks instead of wheels.

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

**Office:** Two Park Avenue
New York, NY 10016

*Contact:* *Mayra Santiago*

**Fax:** (212) 591-8501

**E-mail:** ansibox@asme.org

BSR/ASME B16.21-201x, Nonmetallic Flat Gaskets for Pipe Flanges (revision of ANSI/ASME B16.21-2011)

Stakeholders: Gasket manufacturers and users.

Project Need: Revisions and updates are needed since the last issuance of the standard.

This Standard covers types, sizes, materials, dimensions, tolerances, and markings for nonmetallic flat gaskets. These gaskets are dimensionally suitable for use with flanges described in the referenced flange standards.

**ASTM (ASTM International)**

**Office:** 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

*Contact:* *Corice Leonard*

**Fax:** (610) 834-3683

**E-mail:** accreditation@astm.org

BSR/ASTM WK52055-201x, New Specification for Poured in Place Padded Pole Vault Plant Box (new standard)

Stakeholders: Pole vault industry.

Project Need: This specification covers the dimensional requirements of size, physical characteristics of materials, standard testing procedures, instillation, and labeling and identification of padded pole-vault plant boxes using the poured-in-place plant-box installation methodology.

http://www.astm.org/DATABASE.CART/WORKITEMS/WK52055.htm

**AWS (American Welding Society)**

**Office:** 8669 NW 36 Street, #130
Miami, FL 33166

*Contact:* *Stephen Hedrick*

**E-mail:** steveh@aws.org

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

Stakeholders: Welders, manufacturers, welding engineers.

Project Need: To provide guidance to the welding industry on metric units.

This guide contains specifications of the SI base units, derived units, prefixes, and rules for their use in AWS documents and by the welding industry. It also contains factors and rules for converting from U.S. customary units to SI units and recommendations to industry for managing the transition.

**AWWA (American Water Works Association)**

**Office:** 6666 W. Quincy Ave.
Denver, CO 80235
*Contact:* *Paul Olson*
**Fax:** (303) 795-7603
**E-mail:** polson@awwa.org; vdavid@awwa.org

BSR/AWWA B407a-201x, Addendum to Liquid Ferric Chloride (supplement to ANSI/AWWA B407-2012)

Stakeholders: Drinking water treatment and supply industry, water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: Add instructions for the user of the standard to alleviate the problems of possible solids buildup during the application of ferric chloride.

This standard describes ferric chloride in aqueous (liquid) form for use in the treatment of potable water, wastewater, and reclaimed water. Applications of the chemical include (1) water softening with lime or a combination of lime and soda ash to improve hardness reduction and coagulation and (2) water clarification, as a coagulant, followed by settling or filtration.

**HL7 (Health Level Seven)**

**Office:** 3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
*Contact:* *Karen Van Hentenryck*
**Fax:** (734) 677-6622
**E-mail:** Karenvan@HL7.org

BSR/HL7 V3 PACMET, R2-201x, HL7 Version 3 Standard: Patient Administration CMETs, Release 2 (revision and partition of ANSI/HL7 V3 CMET R3-2013)

Stakeholders: Healthcare, patient administration domains.

Project Need: Patient Administration CMETs need to be updated to be in sync with other updates in the Patient Administration material.

This document updates the CMETs that are currently out of sync with the current version of the Patient Administration models.

**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 1082-201x, Tankless water heaters used as temperature control devices for hot water distribution systems (new standard)

Stakeholders: Plumbing industry, commercial building construction industry.

Project Need: Tankless water heaters are proliferating the plumbing industry. This standard is to give performance criteria to those devices when installed in lieu of an ASSE 1017 device.

These devices are used for controlling in-line water temperatures in domestic and commercial hot-water systems. They are not intended for end-use applications including emergency eyewash and shower equipment. They are designed to only receive cold water as input. Devices shall consist of a cold-water inlet connection, a outlet connection for water of controlled temperature, a thermal element, and a means for adjusting the water outlet temperature.

**MSS (Manufacturers Standardization Society)**

**Office:** 127 Park Street, NE
Vienna, VA 22180-4602
*Contact:* *Robert O'Neill*
**Fax:** (703) 281-6671
**E-mail:** boneill@mss-hq.org

BSR/MSS SP-114-201x, Corrosion Resistant Pipe Fittings, Threaded and Socket Welding, Class 150 and 1000 (revision of ANSI/MSS SP -114-2007)

Stakeholders: Paper, food, pharmaceutical, distillery, sanitary, chemical, petrochemical, nuclear, Boiler and Pressure Vessel Code applications, and other related industries.

Project Need: Manufacturing, industrial use, and safety needs, involving multiple industries and codes, that pertain to applicable fittings for corrosive and high-temperature industry environments

This ANS has been substantially revised and is applicable for corrosion-resistant pipe fittings, threaded and socket welding (Class 150 and 1000). This standard establishes requirements for the following: (a) Pressure-temperature ratings, (b) Size and method of designating openings of reducing fittings, (c) Marking, (d) Minimum requirements for materials, (e) Dimensions and tolerances, (f) Threading, and (g) Tests. This standard also applies to Class 150 and Class 1000 square head plugs, hex head plugs and bushings, locknuts, and threaded and socket welding unions. This 201x revision includes hexagonal nipples, weld spuds, and union laying length dimensions.

**RESNET (Residential Energy Services Network, Inc.)**

**Office:** 4867 Patina Court
Oceanside, CA 92057
*Contact:* *Richard Dixon*
**Fax:** (760) 806-9449
**E-mail:** rick.dixon@resnet.us

* BSR/RESNET 1201-201x, Standard Method of Test for the Evaluation of Residential Building Energy Analysis Model Calibration Methods (new standard)

Stakeholders: Building energy simulation software developers and users, home energy auditors and raters, builders, building contractors, HVAC contractors, insulation contractors, weatherization companies, insulation manufacturers, appliance manufacturers, product distributors, program administrators (e.g., government agencies, utilities, home energy rating companies and residential building energy performance organizations).

Project Need: The home energy efficiency industry uses a number of different calibration techniques to reconcile building energy models with measured energy consumption data and presumably improve the models so the models can be better used for purposes such as predicting energy savings from building retrofits. There is currently no way to tell how successful these calibration techniques are at improving the models. The industry, therefore, needs a standard method of test for evaluating calibration methods.

This standard test procedure applies to calibration methods used with computer programs that predict the energy performance of residential buildings.

**TCIA (ASC A300) (Tree Care Industry Association)**

**Office:** 136 Harvey Road
Suite 101
Londonderry, NH 03053

*Contact:* *Robert Rouse*

**Fax:** (603) 314-5386

**E-mail:** rrouse@tcia.org

* BSR A300 (Part 2)-2011, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Soil Management a. Modification, b. Fertilization, and c. Drainage) (revision of ANSI A300 (Part 2)-2011)

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the last revision of this standard.

A300 (Part 2) Soil Management standards are performance standards for the modification, fertilization, and drainage of soil in relation to trees, shrubs, and other woody plants. It is a guide in the drafting of management specifications for consumers as well as federal, state, municipal, and private authorities including property owners, property managers, and utilities.

* BSR A300 (Part 9)-201x, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management Standard Practices (Tree Risk Assessment a. Tree Structure Assessment) (revision of ANSI A300 (Part 9)-2011)

Stakeholders: Tree care industry, green industry, arborists, land care industry, landscape architects, property managers, utilities, urban planners, consumers, governmental agencies.

Project Need: A revision is needed to review and incorporate changes in industry standard practices, as appropriate, since the initial approval of this standard in 2011.

A300 standards are performance standards for the management of trees, shrubs, and other woody plants. They are also a guide in the drafting of maintenance specifications for federal, state, municipal, and private authorities including property owners, property managers, and utilities. BSR A300 (Part 9)-201x, Tree Risk Assessment a. Tree Structure Assessment, will provide standard practices for evaluation of tree structure.

# 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 (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.

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**AAMI**
Association for the Advancement of Medical Instrumentation (AAMI)
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**AHRI**
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Web: www.asabe.org

**ASHRAE**
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1791 Tullie Circle, NE
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Web: www.ashrae.org

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**ASTM**
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100 Barr Harbor Drive
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8669 NW 36 Street, #130
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**AWWA**
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Fax: (303) 795-7603
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**CSA**
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Electronic Security Association, Inc.
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3300 Washtenaw Avenue
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Web: www.hl7.org

**HPVA**
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ASSE International Chapter of IAPMO
18927 Hickory Creek Dr Suite 220
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**IEEE**
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Piscataway, NJ 08854
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Fax: (732) 796-6966
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**ISA (Organization)**
International Society of Automation
67 Alexander Drive
Research Triangle Park, NC 27709
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**ITI (INCITS)**
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1101 K Street NW
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Web: www.incits.org

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Manufacturers Standardization Society
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Vienna, VA 22180-4602
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Fax: (703) 281-6671
Web: www.mss-hq.org

**NACE**
NACE International, the Corrosion Society
15835 Park Ten Place
Houston, TX 77084
Phone: (281) 228-6485
Web: www.nace.org

**NEMA (Canvass)**
National Electrical Manufacturers Association
1300 North 17th Street
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Phone: (703) 841-3299
Web: www.nema.org

**NFRC**
National Fenestration Rating Council
6305 Ivy Lane
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Fax: (301) 589-3884
Web: www.nfrc.org

**NSF**
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# IEC Draft International Standards

This section lists proposed standards that the International Electrotechnical Commission (IEC) is considering for approval. The proposals have received substantial support within the technical committees or subcommittees that developed them and are now being circulated to IEC members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

**Comments**

Comments regarding IEC documents should be sent to Charles T. Zegers, at ANSI's New York offices. The final date for offering comments is listed after each draft.

**Ordering Instructions**

**IEC Drafts can be made available by contacting ANSI's Customer Service department. Please e-mail your request for an 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.**

23B/1198/FDIS, Amendment 1 to IEC 60670-21 Ed.1: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means, 01/15/2016

23B/1199/FDIS, Amendment 1 to IEC 60670-23 Ed.1: Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 23: Particular requirements for floor boxes and enclosures, 01/15/2016

31M/102/FDIS, ISO/IEC 80079-20-2/Ed1: Explosive atmospheres - Part 20-2: Material characteristics - Combustible dusts test methods, 01/15/2016

31M/103/FDIS, ISO 80079-36/Ed1: Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements, 01/15/2016

31M/104/FDIS, ISO 80079-37/Ed1: Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k", 01/15/2016

31M/105/FDIS, ISO/IEC 80079-38/Ed1: Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines, 01/15/2016

32C/514/CDV, IEC 60127-5/Ed2: Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links, 02/19/2016

45B/829/CD, IEC 61563 Ed.2: Radiation protection instrumentation - Equipment for measuring specific activity of gamma-emitting radionuclides in foodstuffs, 02/19/2016

47F/230/CDV, IEC 62047-27 Ed.1: Semiconductor devices - Micro-electromechanical devices - Part 27: Bond strength test for glass frit bonded structures using micro-chevron-tests (MCT), 02/19/2016

62A/1065/CD, IEC TR 60601-4-1: Medical electrical equipment - Part 4-1: Guidance and interpretation - Medical electrical equipment and medical electrical systems employing a degree of autonomy, 01/15/2016

62A/1067/DC, Systematic Review of ISO 14971:2007, Medical devices - Application of risk management to medical devices, 03/11/2016

62D/1295/FDIS, ISO 80369-6: Small bore connectors for liquids and gases in healthcare applications - Part 6: Connectors for neuraxial applications, 01/15/2016

65E/487/NP, Industrial-Process Measurement, Control and Automation - Uniform Representation of Condition Monitoring Functions, 02/19/2016

65C/836/CD, IEC 61784-5-20 Ed. 1.0: Industrial communication networks - Profiles - Part 5-20: Installation of fieldbuses - Installation profiles for CPF 20, 02/19/2016

65C/837/CD, IEC 61784-5-21 Ed. 1.0: Industrial communication networks - Profiles - Part 5-21: Installation of fieldbuses - Installation profiles for CPF 21, 02/19/2016

77A/918/CD, IEC 61000-3-2 (f3): Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase), 01/15/2016

86C/1347/CDV, IEC 61290-4-1/Ed2: Optical amplifiers - Test methods - Part 4-1: Gain transient parameters - Two-wavelength method, 02/19/2016

86A/1692/FDIS, IEC 60794-3-70/Ed1: Optical fibre cables - Part 3-70: Outdoor cables - Family specification for outdoor optical fibre cables for rapid/multiple deployment, 01/15/2016

86A/1694/CD, IEC 62316/TR/Ed3: Guidance for the interpretation of OTDR backscattering traces, 02/19/2016

86A/1696/CD, IEC 60793-1-33/Ed2: Optical fibres - Part 1-33: Measurement methods and test procedures - Stress corrosion susceptibility, 02/19/2016

11/240/CD, IEC 61897/Ed2: Overhead lines - Requirements and tests for Aeolian vibration dampers, 01/15/2016

119/86/NP, Future IEC 62899-503: Printed Electronics - Part 503: Quality Assessment - Test method for the channel properties of the printed thin-film transistor, 02/19/2016

36/375/CD, IEC 61466-2 Ed. 1.2: Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 2: Dimensional and electrical characteristics, 02/19/2016

46/584/CD, IEC 61935-1-1 Ed1: Testing of Balanced Communication Cabling in Accordance with ISO/IEC 11801 - Part 1-1: Installed Cabling - Additional requirements for measurement of transverse conversion loss with field test instrumentation., 02/19/2016

69/398/CD, IEC 61851-21-2 Ed. 1.0: Electric vehicle charging system - Part 21-2: EMC requirements for OFF board electric vehicle charging systems, 02/19/2016

85/521/FDIS, IEC 60051-1: Direct acting indicating analogue electrical measuring instruments and their accessories - Part 1: Definitions and general requirements common to all parts, 01/15/2016

87/594/CD, Amendment 1 to IEC TS 62558: Ultrasonics - Real-time pulse-echo scanners - Phantom with cylindrical, artificial cysts in tissue-mimicking material and method for evaluation and periodic testing of 3D-distributions of void-detectability ratio (VDR), 02/19/2016

88/571/DTS, IEC 61400-26-3 TS Ed.1: Wind turbines - Part 26-3: Availability for wind power stations, 02/19/2016

9/2096/FDIS, IEC 61133 Ed.3: Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service, 01/15/2016

9/2097/FDIS, IEC 62505-1 Ed.2: Railway applications - Fixed installations - Particular requirements for AC switchgear - Part 1: Circuit-breakers with nominal voltage above 1 kV, 01/15/2016

9/2098/FDIS, IEC 62505-2 Ed.2: Railway applications - Fixed installations - Particular requirements for AC switchgear - Part 2: Disconnectors, earthing switches and switches with nominal voltage above 1 kV, 01/15/2016

9/2105/DC, Announcement of a Technical Corrigendum to IEC 62625 -1:2013, ""Electronic railway equipment - On board driving data recording system - Part 1: System specification"", 01/15/2016

18/1473/CDV, IEC 60092-101: Electrical installations in ships - Part 101: Definitions and general requirements, 02/19/2016

64/2079/NP, Application guide: Residential electrical installation in direct current not intended to be connected to Public Distribution Network, 02/19/2016

64/2081/CD, IEC 60364-5-56: Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services, 02/19/2016

64/2083/CD, IEC 60364-4-44: Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances, 02/19/2016

CABPUB/117/NP, New Proposal for ISO/IEC TS 17021-9 on Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 9: Competence requirements for auditing and certification of anti-bribery management systems: document for vote (and comments), 02/12/2016

# 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 20000-10:2015, Information technology - Service management - Part 10: Concepts and terminology, $149.00

**ACOUSTICS (TC 43)**

ISO 16283-2:2015, Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 2: Impact sound insulation, $200.00

**AGRICULTURAL FOOD PRODUCTS (TC 34)**

ISO 5985/Amd1:2015, Animal feeding stuffs - Determination of ash insoluble in hydrochloric acid - Amendment 1, $22.00

ISO 16958:2015, Milk, milk products, infant formula and adult nutritionals - Determination of fatty acids composition - Capillary gas chromatographic method, $200.00

ISO 20633:2015, Infant formula and adult nutritionals - Determination of vitamin E and vitamin A by normal phase high performance liquid chromatography, $149.00

ISO 20634:2015, Infant formula and adult nutritionals - Determination of vitamin B12 by reversed phase high performance liquid chromatography (RP-HPLC), $123.00

ISO 20637:2015, Infant formula and adult nutritionals - Determination of myo-inositol by liquid chromatography and pulsed amperometry, $123.00

ISO 20638:2015, Infant formula - Determination of nucleotides by liquid chromatography, $123.00

ISO 20639:2015, Infant formula and adult nutritionals - Determination of pantothenic acid by ultra high performance liquid chromatography and tandem mass spectrometry method (UHPLC-MS/MS), $88.00

ISO 20647:2015, Infant formula and adult nutritionals - Determination of total iodine - Inductively coupled plasma mass spectrometry (ICP-MS), $123.00

ISO 20649:2015, Infant formula and adult nutritionals - Determination of chromium, selenium and molybdenum - Inductively coupled plasma mass spectrometry (ICP-MS), $88.00

**AIRCRAFT AND SPACE VEHICLES (TC 20)**

ISO 17761:2015, Space environment (natural and artificial) - Model of high energy radiation at low altitudes (300 km to 600 km), $51.00

**DENTISTRY (TC 106)**

ISO 13017/Amd1:2015, Dentistry - Magnetic attachments - Amendment 1, $22.00

**EARTH-MOVING MACHINERY (TC 127)**

ISO 10261/Amd1:2015, Earth-moving machinery - Product identification numbering system - Amendment 1, $22.00

**INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)**

ISO 8000-8:2015, Data quality - Part 8: Information and data quality: Concepts and measuring, $123.00

**NUCLEAR ENERGY (TC 85)**

ISO 20785-3:2015, Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 3: Measurements at aviation altitudes, $123.00

**PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)**

ISO 4263-3:2015, Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids using the TOST test - Part 3: Anhydrous procedure for synthetic hydraulic fluids, $149.00

**PHOTOGRAPHY (TC 42)**

ISO 19262:2015, Photography - Archiving Systems - Vocabulary, $200.00

**PLASTICS (TC 61)**

ISO 2078/Amd1:2015, Textile glass - Yarns - Designation - Amendment 1, $22.00

ISO 15039/Amd1:2015, Textile-glass rovings - Determination of solubility of size - Amendment 1, $22.00

ISO 20200:2015, Plastics - Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test, $88.00

**ROAD VEHICLES (TC 22)**

ISO 18580:2015, Motorcycles - Verification of total running resistance force during mode running on a chassis dynamometer, $123.00

**SAFETY OF MACHINERY (TC 199)**

ISO 14123-2:2015, Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery - Part 2: Methodology leading to verification procedures, $51.00

**SMALL CRAFT (TC 188)**

ISO 21487/Amd2:2015, Small craft - Permanently installed petrol and diesel fuel tanks - Amendment 2, $22.00

ISO 9094:2015, Small craft - Fire protection, $173.00

**SOLID MINERAL FUELS (TC 27)**

ISO 1953:2015, Hard coal - Size analysis by sieving, $123.00

**THERMAL INSULATION (TC 163)**

ISO 6781-3:2015, Performance of buildings - Detection of heat, air and moisture irregularities in buildings by infrared methods - Part 3: Qualifications of equipment operators, data analysts and report writers, $123.00

**VALVES (TC 153)**

ISO 17292:2015, Metal ball valves for petroleum, petrochemical and allied industries, $149.00

**WOOD-BASED PANELS (TC 89)**

ISO 12460-5:2015, Wood-based panels - Determination of formaldehyde release - Part 5: Extraction method (called the perforator method), $123.00

## ISO Technical Reports

**ROAD VEHICLES (TC 22)**

ISO/TR 13062:2015, Electric mopeds and motorcycles - Terminology and classification, $123.00

**SAFETY OF MACHINERY (TC 199)**

ISO/TR 24119:2015, Safety of machinery - Evaluation of fault masking serial connection of interlocking devices associated with guards with potential free contacts, $149.00

## ISO Technical Specifications

**PAPER, BOARD AND PULPS (TC 6)**

ISO/TS 20460:2015, Paper and board - Automated on-line testing - Metrological comparability between standardized measurements and output of on-line gauges, $123.00

**SMALL TOOLS (TC 29)**

ISO/TS 13399-203:2015, Cutting tool data representation and exchange - Part 203: Creation and exchange of 3D models - Replaceable inserts for drilling, $123.00

**TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)**

ISO/TS 15638-13:2015, Intelligent transport systems - Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) - Part 13: Mass information for jurisdictional control and enforcement, $240.00

## ISO/IEC JTC 1, Information Technology

ISO/IEC 27001/Cor2:2015, Information technology - Security techniques - Information security management systems - Requirements - Corrigendum 2, FREE

ISO/IEC 15938-5/Amd5:2015, Information technology - Multimedia content description interface - Part 5: Multimedia description schemes - Amendment 5: Quality metadata, multiple text encodings, extended classification metadata, $22.00

ISO/IEC 27010:2015, Information technology - Security techniques - Information security management for inter-sector and inter-organizational communications, $173.00

ISO/IEC 8824-1:2015, Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation, $265.00

ISO/IEC 8824-2:2015, Information technology - Abstract Syntax Notation One (ASN.1): Information object specification, $173.00

ISO/IEC 8824-3:2015, Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification, $88.00

ISO/IEC 8824-4:2015, Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications, $123.00

ISO/IEC 8825-1:2015, Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER), $173.00

ISO/IEC 8825-2:2015, Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER), $240.00

ISO/IEC 8825-3:2015, Information technology - ASN.1 encoding rules: Specification of Encoding Control Notation (ECN), $265.00

ISO/IEC 8825-4:2015, Information technology - ASN.1 encoding rules: XML Encoding Rules (XER), $240.00

ISO/IEC 8825-5:2015, Information technology - ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1, $240.00

ISO/IEC 8825-6:2015, Information technology - ASN.1 encoding rules: Registration and application of PER encoding instructions, $123.00

ISO/IEC 8825-7:2015, Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER), $149.00

ISO/IEC 23003-4:2015, Information technology - MPEG audio technologies - Part 4: Dynamic Range Control, $265.00

ISO/IEC TS 19217:2015, Information technology - Programming languages - C++ Extensions for concepts, $240.00

# IEC Standards

**FIBRE OPTICS (TC 86)**

IEC 60794-1-1 Ed. 4.0 en:2015, Optical fibre cables - Part 1-1: Generic specification - General, $218.00

IEC 60794-1-1 Ed. 4.0 en:2015, Optical fibre cables - Part 1-1: Generic specification - General, $182.00

**POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)**

IEC 61850-7-410 Ed. 2.1 b:2015, Communication networks and systems for power utility automation - Part 7-410: Basic communication structure - Hydroelectric power plants - Communication for monitoring and control, $545.00

IEC 61850-7-410 Amd.1 Ed. 2.0 b:2015, Amendment 1 - Communication networks and systems for power utility automation - Part 7-410: Basic communication structure - Hydroelectric power plants - Communication for monitoring and control, $121.00

## IEC Technical Reports

**POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)**

IEC/TR 61850-80-3 Ed. 1.0 en:2015, Communication networks and systems for power utility automation - Part 80-3: Mapping to web protocols - Requirements and technical choices, $351.00

# 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 issued 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 report proposed technical regulations that may significantly affect trade to the WTO Secretariat in Geneva, Switzerland. In turn, the Secretariat disseminates the information to all WTO Members. The purpose of this requirement is to provide global trading partners with an opportunity to review and comment on the regulations before they become final.

The National Center for Standards and Certification Information (NCSCI) at the National Institute of Standards and Technology (NIST), distributes these proposed foreign technical regulations to U.S. stakeholders via an online service, Notify U.S. Notify U.S. is an e-mail and Web service that allows interested U.S. parties to register, obtain notifications, and read full texts of regulations from countries and for industry sectors of interest to them. To register for Notify U.S., please go to Internet URL: http://www.nist.gov/notifyus/ and click on "Subscribe".

NCSCI is the WTO TBT Inquiry Point for the U.S. and receives all notifications and full texts of regulations to disseminate to U.S. Industry. For further information, please contact: NCSCI, NIST, 100 Bureau Drive, Gaithersburg, MD 20899-2160; Telephone: (301) 975-4040; Fax: (301) 926-1559; E-mail: ncsci@nist.gov or notifyus@nist.gov.

# Information Concerning

## American National Standards

### 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 its oversight of programs of its 40+ Technical Committees. Additionally, the INCITS Executive Board exercises international leadership in its role as the US Technical Advisory Group (TAG) to ISO/IEC JTC 1, Information Technology.

The INCITS Executive Board has eleven membership categories that can be viewed at http://www.incits.org/participation/membership-info. Membership in all categories is always welcome. INCITS also seeks to broaden its membership base and looks to recruit new participants in the following under-represented membership categories:

- **Producer – Hardware**

  This category primarily produces hardware products for the ITC marketplace.

- **Producer – Software**

  This category primarily produces software products for the ITC marketplace.

- **Distributor**

  This category is for distributors, resellers or retailers of conformant products in the ITC industry.

- **User**

  This category includes entities that primarily reply on standards in the use of a products/service, as opposed to producing or distributing conformant products/services.

- **Consultants**

  This category is for organizations whose principal activity is in providing consulting services to other organizations.

- **Standards Development Organizations and Consortia**

  o "Minor" an SDO or Consortia that (a) holds no TAG assignments; or (b) holds no SC TAG assignments, but does hold one or more Work Group (WG) or other subsidiary TAG assignments.

- **Academic Institution**

  This category is for organizations that include educational institutions, higher education schools or research programs.

- **Other**

  This category includes all organizations who do not meet the criteria defined in one of the other interest categories.

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, please contact Jennifer Garner at 202-626-5737 or jgarner@itic.org. Visit www.INCITS.org for more information regarding INCITS activities.

### Calls for Members

### 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.

### Withdrawal of American National Standards (ANS) sponsored by IPC

The following IPC standards are overage or have been superseded and are no longer current American National Standards. Questions may be directed to: Jeanne Cooney,JeanneCooney@ipc.org

ANSI/IPC 0040-2003, Optoelectronic Assembly and Packaging Technology;

ANSI/IPC 2501-2003, Definition for Web-Based Exchange of XML Data;

ANSI/IPC 2581-2004, Generic Requirements for Printed Board Assembly Products Manufacturing Description Data and Transfer Methodology;

ANSI/IPC 7095B-2008, Design and Assembly Process Implementation for BGAs;

ANSI/IPC-A-610D-2005, Acceptability of Electronic Assemblies;

ANSI/IPC-J-STD-001D-2005, Requirements for Soldered Electrical and Electronic Assemblies;

ANSI/IPC/ECA J-STD-002C-2008, Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires;

ANSI/IPC/JEDEC J-STD-609-2008, Lead-Free and Leaded Marking, Symbols and Labels.

# ANSI Accredited Standards Developers

## Approval of Reaccreditation

### Association of Commercial Diving Educators (ACDE)

At the direction of ANSI's Executive Standards Council the reaccreditation of the Association of Commercial Diving Educators (ACDE), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on ACDE-sponsored American National Standards, has been approved effective November 12, 2015. For additional information, please contact: Mr. Donald Fast, Secretariat, Association of Commercial Diving Educators, c/o The Ocean Corp., 10840 Rockley Road, Houston, TX 77099; phone: 800.321.0298, ext. 116; e-mail: don@oceancorp.com.

### Textile Care Allied Trades Association (TCATA)

At the direction of ANSI's Executive Standards Council the reaccreditation of the Textile Care Allied Trades Association (TCATA), an ANSI Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on TCATA-sponsored American National Standards, has been approved effective November 18, 2015. For additional information, please contact: Ms. Cheryl Paglia, Textile Care Allied Trades Association, 271 Route 46 West #203D, Fairfield, NJ 07004; phone: 973.244.1790; e-mail: cheryl@tcata.org.

## Reaccreditation

### Green Building Initiative (GBI)

### Comment Deadline: December 21, 2015

The Green Building Initiative (GBI), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on GBI-sponsored American National Standards, under which it was last reaccredited in 2012. As the current 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: Ms. Maria Woodbury, Secretariat, Green Building Initiative, 5410 SW Macadam Avenue, Suite 150, Portland, OR 97239; phone: 207.807.8666; e-mail: maria@thegbi.org. 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 GBI by December 21, 2015, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

# International Organization for Standardization (ISO)

## New Work Item Proposal

### Consumer warranties and guarantees

### Comment Deadline: December 4, 2015

COPOLCO (ISO's Policy Group on Consumer Issues) has submitted to ISO a proposal for a new ISO standard regarding Guidelines on consumer warranties and guarantees, with the following scope statement:

> The standard is intended for use by producers or sellers of goods and services to offer best practices and requirements for effective warranties when these are provided with goods and services.

It should be noted that COPOLCO had previously submitted this proposal in 2012. While the proposal passed ISO membership voting, it has not been able to proceed due to lack of an ISO national standards body wishing to assume the committee secretariat. The ISO national standards body for Malaysia (DSM) has now indicated its interest in assuming this secretariat. However, as at least three years

have now passed since this proposal was voted, ISO/CS has made the decision that the proposal should be subjected to ISO member voting again to confirm consensus support for it. For your reference, in 2012 the ANSI ISO Council (AIC) approved the ANSI position to oppose the proposal with a number of comments.

Anyone wishing to review the new work item proposal, or the comments submitted and approved in 2012, can request a copy of the proposal or comments by contacting ANSI's ISO Team via e-mail: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 4, 2015.

# Information Concerning

## International Organization for Standardization (ISO)

### ISO Proposal for a New Field of ISO Technical Activity

### Halal

### Comment Deadline: December 11, 2015

ESMA, the ISO member body for the United Arab Emirates, has submitted to ISO a proposal for a new field of ISO technical activity on Halal, with the following scope statement:

> The Halal Technical Committee will draft International Standards for Halal products and services, including requirements for personnel competency requirements, management system requirements for organizations. This shall define and include best practices, policies, processes and guidelines for developing Halal Standards or other Technical Specification/requirements, Sampling and Testing Methods, as well as sector application conformity assessment documents on Inspection, Certification, and Accreditation. Sector applications of Conformity Assessment standards shall be developed in a Joint Working Group (JWG) under the leadership of CASCO using the CASCO toolbox. In addition these standards will promote mutual recognition and acceptance of national and regional Conformity Assessment Systems and Marks/labeling standards.
>
> This committee shall also include market monitoring procedures and applicable corrective actions in local and international settings, such as rapid exchange of information and alert systems, recalls and other mitigating measures.
>
> Halal products and services include food (fresh, frozen, processed etc.), beverages, cosmetics and personal care, pharmaceuticals, apparel, logistics, finance, tourism and hospitality and more.

Excluded:

- Matters not falling under scope and not applicable to the Halal concept;
- Generic food standards falling under the scope of ISO/TC 34 Food products;
- Clothing and textile standards falling under the scope of ISO/TC 38 Textiles and ISO/TC 133 Clothing sizing systems - size designation, size measurement methods and digital fittings;
- Pharmaceutical standards falling under the scope of ISO/TC 76, Transfusion, infusion and injection equipment for medical and pharmaceutical use; ISO/TC 194 Biological and clinical evaluation of medical devices, and ISO/TC 212 Clinical laboratory testing and in vitro diagnostic test systems;
- Generic packaging standards falling under the scope of ISO/TC 122 Packaging;
- Generic cosmetics standards falling under the scope of ISO/TC 217 Cosmetics;
- Generic tourism and related services standards falling under the scope of ISO/TC 228 Tourism and related services; and
- Consumer Policy standards falling under the scope of COPOLCO.

Anyone wishing to review this new proposal can request a copy by contacting ANSI's ISO Team via email: isot@ansi.org with submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 11, 2015.

**ASME PTC 19.3 TW Draft_Rev 2015-10**
**(Revision of ASME PTC 19.3 TW-2010)**

# PTC 19.3 TW
# Thermowells

# PTC 19.3 TW
# Thermowells

## 1-2 SCOPE

This Standard applies to thermowells machined from bar stock and includes those welded to or threaded into a flange as well as those welded into a process vessel or pipe with or without a weld adaptor. Thermowells manufactured from pipe are outside the scope of this Standard.
Thermowells with specially designed surface structures (e.g., a knurled surface or a surface with spiral ridges) are beyond the scope of this Standard, due to the difficulty of providing design rules with broad applicability for these types of thermowells.
Thermowell attachment methods, standard dimensions, parasitic vibration of a sensor mounted inside the thermowell, and thermal equilibrium of the sensor relative to the process stream are beyond the scope of this Standard. In addition, thermowells fabricated by welding, including flame spray or weld overlays, at any place along the length of the shank or at the tip are outside the scope of this Standard. The application of the overlay to a barstock thermowell may affect any number of critical attributes such as natural frequency, damping, material properties, or surface finish. These changes are difficult to account for in the calculations, therefore there is risk that an inappropriately designed thermowell could be installed.

## 3-1 REFERENCE STANDARDS AND GOVERNING CODES

*(a)* ASME B40.200, Section B40.9~~,~~ on *Thermowells for Thermometers and Elastic Temperature Sensors*, discusses the selection, fabrication, and installation of thermowells, as well as providing some standardized designs. Complementing ASME B40.200, Section B40.9, PTC 19.3 TW is limited in scope to mechanical design of thermowells.
*(b)* ASME Boiler and Pressure Vessel Code (BPVC) Section III Appendices, Appendix N provides guidance on the flow-induced vibration of banks or arrays of tubes and on the excitation of structural vibrations by turbulence. Both of these topics are outside the scope of PTC 19.3 TW, which considers the vibration of single thermowells due to vortex shedding only.
*(c)* Guidance on minimizing temperature measurement errors in thermowell applications is found in the latest edition of PTC 19.3. Effects considered include heating of the thermowell by fluid impingement, errors due to thermal radiation and conduction along the thermowell, and heat transfer between the thermowell and the surrounding fluid.

**6-8.5 Passing Through In-Line Resonance Where the Design Does not Meet the Cyclic Stress Requirements for Continuous Operation at Resonance**

In cases where the thermowell design fails the cyclic stress condition for steady-state operation for the entire lifetime of the installation, transient exposure to the in-line resonance condition may be allowable, provided that certain criteria are met. A thermowell with a natural frequency between the steady-state Strouhal frequency (which excites transverse vibrations) and twice the Strouhal frequency (which excites in-line vibrations) is subjected to significant vibration only for limited periods on start-up or shutdown. This is because the in line vibrations are excited only when twice the Strouhal frequency coincides with the natural frequency of the thermowell. Since this condition is transitory, the design may be acceptable provided that the peak stress does not exceed the fatigue limit for the number of cycles encompassing the total lifetime that installation will be subjected to startup and shutdown cases. Because the specific conditions on startup and shutdown cases cannot always be predicted exactly for the entire lifetime of the installation, additional precautions must be followed to assure the design is conservative.

In summary, where a thermowell design does not meet the cyclic stress requirements for in-line resonance over its lifetime, passage through the in-line resonance condition (as described above) may be allowed if all of the following conditions are met:

(a) The process fluid is a gas.
(b) The thermowell is exposed to the in-line resonance condition only on start-up, shutdown, or other infrequent transient variations in fluid velocity but does not dwell in the in-line resonance condition during steady state operation (see Section 6-8.4).
(c) The cumulative number of cycles incurred during passage through in-line resonance lock-in region is below 1011 cycles.
(d) The process fluid is known to not cause metallurgical changes to the thermowell material that would significantly reduce the fatigue resistance.
(e) The potential consequences of thermowell failure to equipment or personnel are sufficiently limited to be acceptable.
(f) When the thermowell is excited at its natural in-line vibration frequency the maximum stress (refer to section 6-12) shall be less than the fatigue limit for the expected number of start-up and shutdown events encountered by the thermowell in its lifetime.

The number of cycles sustained for each flow velocity transient shall be calculated assuming that lock-in phenomena occurs between 0.4fnc and 0.6 fnc.

Note that the design rules of PTC 19.3 TW ensure only the mechanical integrity of the thermowell. Passage through the in-line resonance may cause a severe vibration of the thermowell tip resulting in unacceptable sensor damage or drift.

**6-10.7 Mounting of Thermowells in an Elbow**

For thermowells mounted in an elbow and pointing downstream, as shown in Fig. 6-10.7-1, the exact flow path is difficult to model. Thus, the projected area shall be conservatively estimated as the projected area of the thermowell if the flow were to be normal to the thermowell axis along the length of the thermowell exposed to fluid flow. The geometry to be used in the calculation of thermowell ratings is given in Fig. 6-10.7-2.

Thermowells mounted in an elbow with the tip pointing upstream, as shown in Fig.6-10.7-3, are often preferable to a mounting with the tip pointing downstream. For a conservative justification of a thermowell mounted in this fashion, the thermowell may be evaluated as though it were installed perpendicular to the pipe. Provided that the flow lines in the upstream pipe are closely approximated as lines parallel to the pipe axis, there is minimal transverse fluid flow near the tip of the thermowell, with a consequent reduction of the bending moment. Tip effects are important, and the effective Strouhal number varies with the angle of flow with respect to the thermowell axis [16]. For such an installation, calculation of the bending moment is beyond the scope of this Standard. Predictions of the bending moment and Strouhal number should be made by using computational fluid dynamics or experimental measurements to determine the fluid flow pattern, including the perturbations of upstream piping elements, and consulting reference [16] to determine the forces on the thermowell.

6-10.8 Mounting of Thermowells at an Angle to Flow" and the sentence "Mounting of thermowells at an angle, whether the tip is oriented towards or away from the flow of the process fluid, may be conservatively evaluated as though the thermowell were installed perpendicular to the pipe."

**A-2 Other Conversion Factors**

*(a)* Within the U.S. Customary units system, pressures and elastic moduli are commonly given in units of pounds per square inch (psi or lbf/in.$^2$), which is not equivalent to the derived unit of pressure resulting from the combination of pounds, inches, and seconds: lb/(in.·sec$^2$). To convert pounds-force per square inch (psi or lbf/in.$^2$) to lb/(in.·sec$^2$), multiply by 386.088.

*(b)* Many sources express fluid viscosity in units of centipoise (1 centipoise = 0.01 poise). The centipoise is neither an SI unit nor a U.S. Customary unit, but can be converted using the following conversion factors:

*(1)* To convert centipoise (cP) to lb/(ft·sec), multiply by ~~$6.714 \times 10^4$~~$6.7197 \times 10^{-4}$.

*(2)* To convert centipoise (cP) to pascal second (Pa·s), multiply by 0.001.

**Tracking #170i18r3**


**Revision to NSF/ANSI 170 – 2014**
**Issue 18, Revision 3 (November 2015)**



**[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and gray highlights to indicate the proposed revised text. ONLY the highlighted text and strikeout text is within the scope of this ballot. Rationale Statements are in RED and only used to add clarity; these statements will NOT be in the finished publication]**

NSF International Standard
for Food Equipment –

# Glossary of food equipment terminology

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- 
- 

## 3 Definitions

**3.164.4.4 self-service display refrigerator:** An open or closed display refrigerator designed for customer access to packaged foods (including unprocessed produce). This term may apply to Type I or Type II display refrigerators.

**3.164.4.5 self-service display refrigerator with automatic lockout:** A closed self-service display refrigerator that is equipped with an automatic locking system designed to lock the doors when proper operating conditions are not maintained. This term may apply to Type I or Type II display refrigerators.

**3.164.4.~~5~~6 service display refrigerator:** A display refrigerator designed for operator (employee) access to packaged or unpackaged foods contained inside. This term may apply to Type I or Type II display refrigerators.

- 
- 
- 

***Note: subsequent definitions alphabetically positioned after "self-service display refrigerator with automatic lockout" will have their respective reference numbers increased by "1". The presented example above is the term "service display refrigerator" changing from 3.164.4.5 to 3.164.4.6.***

**BSR/UL 583, Standard for Safety for Electric-Battery-Powered Industrial Trucks**

**1. Removal of 150 volt statement in 1.4**

## PROPOSAL

1.4 These requirements cover Types E, CGH, E or CGH, EE, ES, and EX electric powered industrial trucks ~~powered by power sources supplying 150 volts or less~~.

**2. Addition of new battery cable requirements**

## PROPOSAL

12.1.1 Wiring located within a battery compartment shall comply with one of the following. The wiring shall be considered with respect to the temperature and conditions of service to which the wiring is to be subjected to in the intended use:

a) Outline for Battery Leads, UL 2726;

b) The Standard for Low Voltage Battery Cable, SAE J1127;

c) The Outline for Low Voltage Battery Cable, UL 4127;

d ~~c~~) For wiring smaller than 6 AWG ~~10 gauge~~, the requirements in 12.1 would apply and the effects of acid exposure need not be evaluated.

**3. Addition of UL 2271 to Section 15.2**

## PROPOSAL

15.2.1 Lithium batteries shall comply with the requirements in the Standard for Batteries for Use in Electric Vehicles, UL 2580 or the Standard for Batteries for Use In Light Electric Vehicle (LEV) Applications, UL 2271. The battery compartment and enclosure shall comply with the requirements in Section 14.

**4. Exception of 17.1.2**

## PROPOSAL

17.1.2 A lamp lens shall be protected against mechanical damage by bars, grids, recessing, or equivalent means.

*Exception: Additional protection is not required if the lamp lens is within the profile of the truck and complies with 34.3(b).*

## BSR/UL 796, Standard for Safety for Printed Wiring Boards

### 2. Revision of the Definitions of Conductor Trace and Conductor Weight in Paragraphs 2.32 and 2.33

**PROPOSAL**

~~2.33 CONDUCTOR WEIGHT – Copper foil weight over one square foot area: 1 oz. = 1.35 mils = 34.3 micron. See Table 2.1.~~

### 4. Addition of Requirements for Evaluating New Technologies and Production Board Evaluations

**PROPOSAL**

~~7.7 Where the printed wiring board involves technologies and materials or methods of construction not specifically covered in this standard, the printed wiring board investigation shall follow the principles of safety and characterization contained in this standard.~~

### 5. Clarification of the Text of Various Requirements in UL 796

**PROPOSAL**

~~7.4.1 The MOT to be investigated shall be agreed upon between the printed wiring board user and supplier.~~

8.1 ~~A printed-wiring board sample shall be constructed in compliance with Sections 9 – 20. The samples shall be representative of all production.~~ Samples shall be constructed compliant with Sections 9 – 20 based on the finished production construction. Samples shall be manufactured using the production processes or a representative production process.

9.2.1 The printed wiring board shall comply with the Bond Strength, Section 26, and Delamination and Blistering, Section 27, between the base material and the conductor cladding metal after Thermal Shock, Section 24. ~~, and thermal conditioning in Section 26, based on the desired MOT rating.~~

10.3.1 ~~Solder or other conductive coating that is used on the finished board shall be smooth, ductile, cover the conductor surface, and not interfere with electrical connections in the end-product assembly.~~ Samples shall contain a representative conductive coating that is used on the finished board. If solder is used, the solder shall be smooth with uniform coverage over the conductor surface.

10.4.1 The width dimension as measured at the interface surface shall constitute the minimum required conductor ~~widths~~ width. ~~There shall be good register with the printed-wiring pattern of added plating and other add-on considerations~~.

UL proposes to revise Figure 14.1 by:

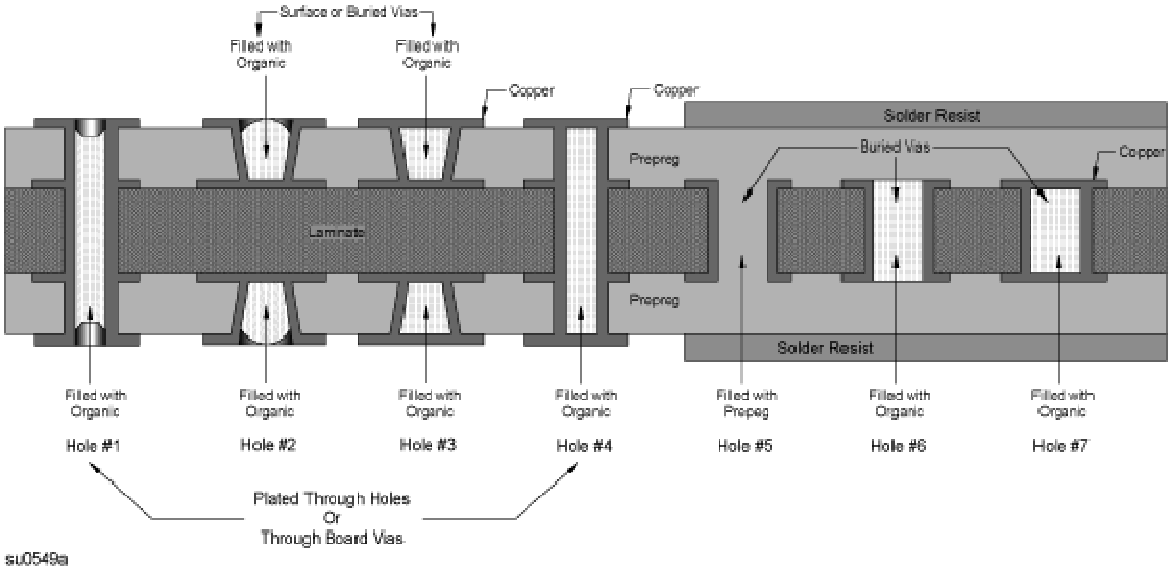
- Replacing the phrase “Surface or Buried Vias” shown in the upper left corner of the figure with the phrase “Surface or Blind Vias;”

- Replacing the phrase “Plated Through Holes” shown in the lower left corner of the figure with the phrase “Plated Through Vias”; and

- Deleting the phrase “Or Through Board Vias” shown in the lower left corner of the figure.

## Figure 14.1

### Example PWB cross sections with plugged-hole material in plated through holes, buried vias, and blind vias



## BSR/UL 1026, Standard for Safety for Electric Household Cooking and Food Serving Appliances

### PROPOSALS

22.12.1 Additionally, if a clock operated switch incorporates a stay-on feature which is activated in the same direction as the countdown to OFF, two operations are required to engage the stay-on feature.

Note: The clock-operated switch referenced in 22.12.1 shall turn the appliance OFF with a single action or operation. ~~A clock-operated switch having a push and turn or a pull and turn operating sequence will be considered to meet the intent of 22.12.1.~~

22.18 A cord-connected automatic toaster shall be provided with a non-automatically resettable secondary operating control which shall de-energize the heating elements of the toaster in the event of failure of the primary operating control system. The secondary operating control shall consist of a separate set of switch contacts that disconnect the ungrounded conductor of the power supply independently of the primary switch contacts in the ungrounded conductor of the power supply. The secondary operating control shall operate no more than 30 seconds after the maximum operation ~~darkness~~ time as determined in 60.4.2.

*Exception: A secondary operating control is not required if there is no ignition of the food load and no ignition of the indicator panel when tested as described in 55.2.5.2 except with all means for de-energizing the heating element defeated. The unit shall operate in this condition for 30 minutes.*

60.4.1 In reference to in 22.18, the times measured in 55.2.5.3 shall not be more than the maximum operation ~~darkness~~ time as determined in 60.4.2 plus 30 seconds.

60.4.2 Three samples shall be operated for one cycle with the ~~color setting of the~~ toaster set to the maximum operation time that the toaster can remain energized; maximum darkness plus any additional cycle extending feature such as ″Frozen″ or ″Defrost″. ~~darkness~~. The toaster is to be loaded to maximum capacity with slices of commercially available white bread, each weighing approximately 25 g. The test voltage is to be as described in 41.1.14. The time from energization of the toaster elements to when the primary operating control disconnects the ungrounded conductor of the power supply shall be measured. The longest time measured is to be used as the maximum operation ~~darkness~~ time in 22.18.