

Contents

American National Standards

Call for Comment on Standards Proposals	2
Call for Members (ANS Consensus Bodies)	8
Final Actions	11
Project Initiation Notification System (PINS)	12
ANS Maintained Under Continuous Maintenance	15
ANSI-Accredited Standards Developers Contact Information	16

International Standards

ISO and IEC Draft Standards	17
ISO and IEC Newly Published Standards	20

Proposed Foreign Government Regulations	22
Information Concerning	23

American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: November 22, 2015

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

Addenda

BSR/ASHRAE Addendum 62.2w-201x, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2013)

This proposed addendum updates the normative references in anticipation of publishing the 2016 edition of Standard 62.2.

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

Send comments (with copy to psa@ansi.org) to: Mark Weber, (678) 539-1214, mweber@ashrae.org; sreiniche@ashrae.org

NSF (NSF International)

Revision

BSR/NSF 173-201x (i50r3), Dietary Supplements (revision of ANSI/NSF 173-2013 (i48))

This Standard contains requirements for dietary supplements that contain one or more of the following dietary ingredients: a vitamin, a mineral, an herb or other botanical, an amino acid, a dietary substance for use by humans to supplement the diet by increasing the total dietary intake, or a concentrate, metabolite, constituent, extract, or combinations of these ingredients. Products and ingredients deemed a hazard to public health or safety by a regulatory agency having jurisdiction shall be excluded from the scope of this document. Conventional foods are excluded from the scope of this Standard.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 132-201X, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas (Proposals Dated 10/23/15) (revision of ANSI/UL 132-2015a)

Replace ASTM G26 with ASTM G155 in 21.1.

[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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 365-201x, Standard for Police Station Connected Burglar Alarm Units and Systems (revision of ANSI/UL 365-2015a)

(1) Expand electronic media to include website.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 448-201x, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2013)

The following changes to the Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service, UL 448, are being proposed: (1) Requirements addressing multistage multiport fire pumps; (2) Clarification of requirements related to pump construction and performance testing; and (3) Revised requirements related to keyways to secure shafts and impellers.

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

Send comments (with copy to psa@ansi.org) to: Raymond Suga, (631) 546-2593, raymond.m.suga@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 609-201x, Standard for Local Burglar Alarm Units and Systems (revision of ANSI/UL 609-2015)

(1) Expand electronic media to include website.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 636-201x, Standard for Holdup Alarm Units and Systems (revision of ANSI/UL 636-2008 (R2013))

(1) Allow use of electronic media for providing documentation.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1076-201x, Standard for Proprietary Burglar Alarm Units and Systems (revision of ANSI/UL 1076-2010a)

(1) Expand electronic media to include website.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1283-201X, Standard for Safety for Electromagnetic Interference Filters (revision of ANSI/UL 1283-2013a)

This recirculation proposal provides revisions to the UL 1283 proposal dated 7-24-15.

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

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 1610-201x, Standard for Central-Station Burglar-Alarm Units (revision of ANSI/UL 1610-2015)

(1) Expand electronic media to include website.

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

Send comments (with copy to psa@ansi.org) to: Megan Sepper, (847) 664-3411, Megan.M.Sepper@ul.com

Comment Deadline: December 7, 2015**AAMI (Association for the Advancement of Medical Instrumentation)****Reaffirmation**

BSR/AAMI/ISO 15223-2-201x, Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation (reaffirmation of ANSI/AAMI/ISO 15223-2:2010)

This part of ISO 15223 specifies a process for developing, selecting and validating symbols for inclusion in ISO 15223-1. The purpose of this part of ISO 15223 is to ensure that symbols included in ISO 15223-1 are readily understood by the target group. If the symbol validation process detailed in this part of ISO 15223 has been complied with, then the residual risks, as defined in ISO 14971 and IEC 62366, associated with the usability of a medical device symbol are presumed to be acceptable, unless there is objective evidence to the contrary.

Single copy price: \$66.00 (AAMI members)/\$110.00 (List)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=1522302-PDF>

Order from: <http://my.aami.org/store/detail.aspx?id=1522302>

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

AIAA (American Institute of Aeronautics and Astronautics)**New Standard**

BSR/AIAA S-142-201x, Standard/Handbook for Radio Frequency (RF) Breakdown Prevention in Spacecraft Components (new standard)

This document is intended to serve as a standard and handbook for the prevention of multifactor and ionization breakdown in spacecraft components and systems. The document provides minimum requirements for risk definition, system analysis, and component analysis and test.

Single copy price: Free

Obtain an electronic copy from: hillaryw@aiaa.org

Order from: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

Send comments (with copy to psa@ansi.org) to: Hillary Woehrle, (703) 264-7546, hillaryw@aiaa.org

API (American Petroleum Institute)**Revision**

BSR/API RECOMMENDED PRACTICE 754, Second Edition-201x, Process Safety Performance Indicators for the Refining and Petrochemical Industries (revision of ANSI/API Standard RP 754-2010)

This recommended practice (RP) identifies leading and lagging process safety indicators useful for driving performance improvement. As a framework for measuring activity, status or performance, this document classifies process safety indicators into four tiers of leading and lagging indicators. Tiers 1 and 2 are suitable for nationwide public reporting and Tiers 3 and 4 are intended for internal use at individual facilities. Guidance on methods for development and use of performance indicators is also provided.

Single copy price: Free

Obtain an electronic copy from: crimaudos@api.org

Order from: Stephen Crimauo, (202) 682-8151, crimaudos@api.org

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

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

BSR/ASABE/ISO 5008-2002 W/Cor. 1 MAY2006 (R201x), Agricultural wheeled tractors and field machinery - Measurement of whole-body vibration of the operator (reaffirmation of ANSI/ASABE/ISO 5008-2002 W/Cor.1-2006 (R2011))

Specifies methods for measuring and reporting the whole body vibration to which the operator of an agricultural wheeled tractor or other field machine is exposed when operating on a standard test track.

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 30P-201x, Method of Testing Liquid-Chilling Packages (new standard)

ASHRAE Standard 30P prescribes methods for obtaining performance data relating to liquid-chilling or liquid-heating equipment using any type of compressor.

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 BPVC Section XI-20XX, Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI -2015)

This Code provides requirements for in-service inspection and testing of light-water cooled nuclear power plants. The requirements identify the areas subject to inspection, responsibilities, provisions for accessibility and inspect ability, examination methods, and procedures, personnel qualifications, frequency of inspection, record keeping and report requirements, procedures for evaluation of inspection results and subsequent disposition of results of evaluations, and repair/replacement activity requirements, including procurement, design, welding, brazing, defect removal, fabrication, installation, examination, and pressure testing.

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: Ryan Crane, craner@asme.org

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

BSR/ASME CSD-1-20XX, Controls and Safety Devices for Automatically Fired Boilers (revision of ANSI/ASME CSD-1-2012)

The rules of this Standard cover requirements for the assembly, installation, maintenance, and operation of controls and safety devices on automatically operated boilers directly fired with gas, oil, gas-oil, or electricity within the service limitations and exclusions found in this Standard.

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: Gerardo Moino, ansibox@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)**Reaffirmation**

BSR/ATIS 0300264-2010 (R201x), Alarm Surveillance in a Telecommunications Management Network (TMN) (reaffirmation of ANSI/ATIS 0300264-2010)

Alarm Surveillance is the set of functions that enables the monitoring or interrogation (or both) of the telecommunications network concerning alarm-related events or conditions. This standard provides a description of the functions, management information, services, functional units, and protocols related to alarm surveillance.

Single copy price: \$30.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Stabilized Maintenance**

BSR/ATIS 0300207-2000 (S201x), Operations, Administration, Maintenance, and Provisioning (OAM&P) - Terminating Test Line Access and Capabilities (stabilized maintenance of ANSI/ATIS 0300207-2000 (R2010))

This American National Standard describes types of terminating test lines and their optional functions, and provides numbering plan arrangements to access these capabilities for testing across interconnections in the public switched network. The capability outlined in this standards applies to both end user and network provides access to existing and proposed terminating test lines originating, intermediate, and terminating points in the network.

Single copy price: \$60.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Stabilized Maintenance**

BSR/ATIS 0300221-1995 (S201x), Operations, Administration, Maintenance, and Provisioning (OAM&P) - In-Service, Nonintrusive Measurement Device (INMD) - Voice Service Measurements (stabilized maintenance of ANSI/ATIS 0300221-1995 (R2010))

This standard provides specifications for in-service nonintrusive measurement devices (INMD) used to measure various parameters of importance to voice service transmission maintenance of telecommunications networks. These measurement devices are used primarily for the measurement of voicegrade analog parameters such as speech level, noise level, echo path loss, and echo path delay. This standard specifies interface, measurement range, and accuracy requirements for measuring voicegrade transmission parameters as well as descriptions of optional functions associated with these parameters.

Single copy price: \$220.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)**Stabilized Maintenance**

BSR/ATIS 0300234-2000 (S201x), Signalling System Number 7 (SS7) - MTP Levels 2 and 3 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300234-2000 (R2010))

This standard addresses the testing requirements for internetwork connections employing Common Channel Signaling (CCS) based on Signaling System No. 7 (SS7) protocol used in North America. The internetwork connection may be either within or between North American countries. This standard provides a list of test scripts for testing compatibility between the interconnecting networks of the Message Transfer Part (MTP), level 2 and level 3, of the SS7 protocol. MTP level 1 tests are not included here because they are transmission tests in nature and not related to the SS7 protocol.

Single copy price: \$275.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR/ATIS 0300235-2000 (S201x), Signalling System 7 (SS7) - SCCP Class 0 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300235-2000 (R2010))

This standard addresses the testing required for internetwork connections employing Common Channel Signalling (CCS) based on Signalling System No. 7 (SS7) protocol used in North America. The internetwork connection may be either within or between North American countries. This standard provides a list of test scripts for testing compatibility between the interconnecting networks of the Signalling Connection Control Part (SCCP) Class 0 of the SS7 protocol. This standard references material in SS7 protocol standards. (See clause 2.)

Single copy price: \$110.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR/ATIS 0300239-1994 (S201x), Integrated Services Digital Network (ISDN) Management - User-Network Interface Protocol Profile (stabilized maintenance of ANSI/ATIS 0300239-1994 (R2000))

This standard is one of a series of standards describing the model, protocol profile, and communications capabilities in support of management, protocol profile, and communications capabilities in support of management and maintenance functions to be provided at the ISDN user-network interface. This standard describes the protocol profile employed in providing management information transfer capabilities at the ISDN user-network interface.

Single copy price: \$110.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

ATIS (Alliance for Telecommunications Industry Solutions)

Stabilized Maintenance

BSR/ATIS 0300241-1994 (S201x), Integrated Services Digital Network (ISDN) Management - Service Profile Verification and Service Profile Management - ISDN Interface Management Services (stabilized maintenance of ANSI/ATIS 0300241-1994 (R2010))

This standard is one of a series describing the model, protocol profile, and the communications capabilities in support of management and maintenance functions to be provided at the ISDN user-network interface. This standard provides requirements for the reading and writing of ISDN service profile information in an ISDN switch directly from ISDN terminal equipment. These capabilities provide for some real-time customer network management capabilities.

Single copy price: \$110.00

Obtain an electronic copy from: kconn@atis.org

Order from: Kerrienne Conn, (202) 434-8841, kconn@atis.org

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

AWS (American Welding Society)

Revision

BSR/AWS C3.4M/C3.4-201x, Specification for Torch Brazing (revision of ANSI/AWS C3.4M/C3.4-2007a)

This specification presents the minimum fabrication, equipment, and process procedure requirements, as well as inspection requirements for the torch brazing of steels, stainless steels, copper, copper alloys, and heater corrosion-resistant alloys and other materials that can be adequately torch brazed (the torch brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying torch-brazed joints based on loading and the consequences of failure and quality-assurance criteria defining the limits of acceptability in each class.

Single copy price: \$28.00

Obtain an electronic copy from: jdouglass@aws.org

Order from: jdouglass@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS C3.5M/C3.5-201x, Specification for Induction Brazing (revision of ANSI/AWS C3.5M/C3.5-2007a)

This specification provides the minimum fabrication and requirements for the induction brazing of materials such as steels, copper, copper alloys, and heat- and corrosion-resistant alloys as well as other materials that can be adequately induction brazed. Note that the induction brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing.

Single copy price: \$28.00

Obtain an electronic copy from: jdouglass@aws.org

Order from: jdouglass@aws.org

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

AWS (American Welding Society)

Revision

BSR/AWS C3.6M/C3.6-201x, Specification for Furnace Brazing (revision of ANSI/AWS C3.6M/C3.6-2007)

This specification presents the minimum fabrication and quality requirements for the furnace brazing of materials such as steels, stainless steels, nickel, nickel alloys, copper, copper alloys, and heat- or corrosion-resistant materials as well as other materials that can be adequately furnace brazed. Note that the furnace brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing.

Single copy price: \$28.00

Obtain an electronic copy from: jdouglass@aws.org

Order from: jdouglass@aws.org

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

CSAA (Central Station Alarm Association)**Revision**

BSR/CS-V-01-201x, Alarm Confirmation, Verification and Notification Procedures (revision of ANSI/CSAA CS-V-01-2004)

This standard is to be used by alarm-monitoring facilities and by federal, state, and local units of government in their development of consistent administration criteria for alarms. New technologies and successful efforts to reduce false alarms have led to this standard. Various units of government that have adopted this standard recognize the life-saving benefits that monitored-security and fire-alarm systems provide. The intent of this standard is to achieve increased efficiency by reducing costs and eliminating wasteful efforts associated with potential false alarms.

Single copy price: Free

Obtain an electronic copy from: http://csaaintl.org/wp-content/uploads/2015/10/CS_V_01_2016_Rev-0-1.pdf

Order from: Becky Lane, CSAA, Membership@csaaintl.org

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

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

INCITS/ISO/IEC TR 19120:2001 {2007}, Geographic information -- Functional standards (Technical Report) (withdrawal of INCITS/ISO/IEC TR 19120:2001 {2007})

Within the context of this Technical Report, a functional standard has been identified as an existing geographic information standard, in active use within the international community. National standards have been considered within this report. This Technical Report seeks to identify the components of those recognized functional standards and to identify elements that can be harmonized between these standards and with the ISO/TC 211 base standards. This Technical Report provides a starting point for a feedback cycle between the functional standards communities and the ISO 19100 series component project teams.

Single copy price: \$87.00

Obtain an electronic copy from: webstore.ansi.org

Order from: ANSI, <http://webstore.ansi.org/>

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

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

INCITS/ISO/IEC TR 19122:2004 {2007}, Geographic information / Geomatics - Qualification and certification of personnel (Technical Report) (withdrawal of INCITS/ISO/IEC TR 19122:2004 {2007})

ISO/TR 19122:2004 is applicable to the following aspects of the field of Geographic Information/Geomatics: To develop a Type 3 report, which describes a system for the qualification and certification, by a central independent body, of personnel in the field of Geographic Information/Geomatics. To define the boundaries between Geographic Information/Geomatics and other related disciplines and professions. To specify technologies and tasks pertaining to Geographic Information/Geomatics. To establish skill sets and competency levels for technologists, professional staff and management in the field.

Single copy price: \$133.00

Obtain an electronic copy from: webstore.ansi.org

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

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

NECA (National Electrical Contractors Association)**Revision**

BSR/NECA 130-201X, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010)

This standard describes the installation and maintenance procedures for wiring devices.

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

NECA (National Electrical Contractors Association)**Revision**

BSR/NECA 169-201X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010)

This standard describes the installation and maintenance procedures for arc-fault circuit interrupters (AFCIs) and ground-fault circuit interrupters (GFCIs).

Single copy price: \$40.00

Obtain an electronic copy from: neis@necanet.org

Order from: Sofia Arias, (301) 215-4549, sofia.arias@necanet.org

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

TIA (Telecommunications Industry Association)**Revision**

BSR/TIA 102.CAAA-E-201x, Digital C4FM/CQPSK Transceiver Measurement Methods (revision and redesignation of ANSI/TIA 102.CAAA-D-2013)

The scope of the project is to revise the existing document to add methods of measurement for receivers that employ class D audio power amplifiers.

Single copy price: \$281.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Marianna Kramarikova, (703) 907-7743, standards@tiaonline.org

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

TIA (Telecommunications Industry Association)**Revision**

BSR/TIA 102.CCAA-B-201x, Project 25, Phase 2 Two-Slot Time Division Multiple Access, Transceiver Measurement Methods (revision and redesignation of ANSI/TIA 102.CCAA-A-2014)

The project scope is to revise the existing document to correct for an error in the formulas in section 2.2.17.3 of the document, and to add a procedure for testing performance of receivers with class D audio power amplifiers.

Single copy price: \$235.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Marianna Kramarikova, (703) 907-7743, standards@tiaonline.org

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

TIA (Telecommunications Industry Association)

Revision

BSR/TIA 603-E-201x, Land Mobile FM or PM - Communications Equipment - Measurement and Performance Standards (revision and redesignation of ANSI/TIA 603-D-2010)

The scope of the project is to revise the existing document to add methods of measurement for receivers employing class D audio power amplifiers.

Single copy price: \$304.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: Marianna Kramarikova, (703) 907-7743, standards@tiaonline.org

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

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 62841-2-2-201x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-2: Particular Requirements for Hand-Held Screwdrivers and Impact Wrenches (national adoption with modifications of IEC 62841-2-2)

(1) Proposed adoption of the first edition of IEC 62841-2-2, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-2: Particular Requirements for Hand-Held Screwdrivers and Impact Wrenches, as the first edition of UL 62841-2-2.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@ul.com

UL (Underwriters Laboratories, Inc.)

New National Adoption

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

(1) Proposed adoption of the first edition of IEC 62841-2-9, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-9: Particular Requirements for Hand-Held Tappers and Threaders, as the first edition of UL 62841-2-9.

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: Beth Northcott, (847) 664-3198, Elizabeth.Northcott@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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

Contact: *Will Vargas*

Phone: (703) 647-2779

E-mail: wvargas@aami.org

BSR/AAMI/ISO 15223-2-201x, Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation (reaffirmation of ANSI/AAMI/ISO 15223-2:2010)

Obtain an electronic copy from: <http://my.aami.org/store/detail.aspx?id=1522302-PDF>

ABYC (American Boat and Yacht Council)

Office: 613 Third Street, Ste 10
Annapolis, MD 21403

Contact: *David Broadbent*

Phone: (410) 990-4460

Fax: (410) 990-4466

E-mail: dbroadbent@abycinc.org

BSR/ABYC A-16-201x, Electric Navigation Lights (revision of ANSI/ABYC A-16-2011)

BSR/ABYC A-32-201x, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32 2012)

AIAA (American Institute of Aeronautics and Astronautics)

Office: 1801 Alexander Bell Dr.
Reston, VA 20191

Contact: *Hillary Woehrle*

Phone: (703) 264-7546

E-mail: hillaryw@aiaa.org

BSR/AIAA S-142-201x, Standard/Handbook for Radio Frequency (RF) Breakdown Prevention in Spacecraft Components (new standard)

Obtain an electronic copy from: AIAA

API (American Petroleum Institute)

Office: 1220 L Street, NW
Washington, DC 20005-4070

Contact: *Stephen Crimauodo*

Phone: (202) 682-8151

Fax: (202) 682-4797

E-mail: crimaudos@api.org

BSR/API RECOMMENDED PRACTICE 754, Second Edition-201x, Process Safety Performance Indicators for the Refining and Petrochemical Industries (revision of ANSI/API Standard RP 754 -2010)

Obtain an electronic copy from: Stephen Crimauodo

NECA (National Electrical Contractors Association)

Office: 3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814

Contact: *Sofia Arias*

Phone: (301) 215-4549

Fax: (301) 215-4500

E-mail: sofia.arias@necanet.org

BSR/NECA 130-201X, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010)

Obtain an electronic copy from: neis@necanet.org

BSR/NECA 169-201X, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010)

Obtain an electronic copy from: neis@necanet.org

NEMA (ASC C82) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: *Michael Erbesfeld*

Phone: 703-841-3262

E-mail: Michael.Erbesfeld@nema.org

BSR C82.11-201X, High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)

NSF (NSF International)

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

Contact: *Rachel Brooker*

Phone: (734) 827-6866

E-mail: rbrooker@nsf.org

BSR/NSF 173-201x (i50r3), Dietary Supplements (revision of ANSI/NSF 173-2013 (i48))

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: *Laurence Womack*

Phone: (770) 209-7277

Fax: (770) 446-6947

E-mail: standards@tappi.org

BSR/TAPPI T 412 om-201x, Moisture in pulp, paper and paperboard
(revision and redesignation of ANSI/TAPPI T 412 om-2011)

TIA (Telecommunications Industry Association)

Office: 1320 North Courthouse Road
Suite 200
Arlington, VA 22201

Contact: *Marianna Kramarikova*

Phone: (703) 907-7743

E-mail: standards@tiaonline.org

BSR/TIA 102.CCAA-B-201x, Project 25, Phase 2 Two-Slot Time
Division Multiple Access, Transceiver Measurement Methods
(revision and redesignation of)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 102.CAAA-E-201x, Digital C4FM/CQPSK Transceiver
Measurement Methods (revision and redesignation of ANSI/TIA 102.
CAAA-D-2013)

Obtain an electronic copy from: standards@tiaonline.org

BSR/TIA 603-E-201x, Land Mobile FM or PM - Communications
Equipment - Measurement and Performance Standards (revision and
redesignation of ANSI/TIA 603-D-2010)

Obtain an electronic copy from: standards@tiaonline.org

UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

Office: 30200 Detroit Road
Cleveland, OH 44145

Contact: *Jeff Wherry*

Phone: (440) 899-0010

Fax: (440) 892-1404

E-mail: djh@wherryassoc.com

BSR B74.18-201x, Specifications for Grading of Certain Abrasive Grain
on Coated Abrasive Material (revision of ANSI B74.18-2014)

Obtain an electronic copy from: sab@wherryassoc.com

BSR B74.18-201x, Specifications for Grading of Certain Abrasive Grain
on Coated Abrasive Material (revision of ANSI B74.18-2014)

Obtain an electronic copy from: sab@wherryassoc.com

UL (Underwriters Laboratories, Inc.)

Office: 333 Pflingsten Road
Northbrook, IL 60062

Contact: *Megan Sepper*

Phone: (847) 664-3411

Fax: (847) 664-3411

E-mail: Megan.M.Sepper@ul.com

BSR/UL 365-201x, Standard for Police Station Connected Burglar Alarm
Units and Systems (revision of ANSI/UL 365-2015a)

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

BSR/UL 609-201x, Standard for Local Burglar Alarm Units and Systems
(revision of ANSI/UL 609-2015)

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

BSR/UL 636-201x, Standard for Holdup Alarm Units and Systems
(revision of ANSI/UL 636-2008 (R2013))

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

BSR/UL 1076-201x, Standard for Proprietary Burglar Alarm Units and
Systems (revision of ANSI/UL 1076-2010a)

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

BSR/UL 1610-201x, Standard for Central-Station Burglar-Alarm Units
(revision of ANSI/UL 1610-2015)

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

BSR/UL 1638A-201x, Standard for Safety for Visual Signal Appliances
for General Signaling Use (new standard)

Call for Members (ANS Consensus Bodies)

Building Owners and Managers Association (BOMA) International

Canvass Members Needed

ANSI/BOMA Z65.1-2010 – Office Buildings: Standard Methods of Measurement

Survey Deadline: November 30, 2015

The Building Owners and Managers Association (BOMA) International has initiated the process of revising its floor measurement standard for office buildings (ANSI/BOMA Z65.1-2010 – Office Buildings: Standard Methods of Measurement) and is putting together its Canvass Committee. The balloting will begin once a final draft is complete and will conclude 45 days following the initiation of the process. The revised standard is expected to include clarifications as well as guidance on how it can be used with the International Property Measurement Standards (IPMS) for Office Buildings.

While we welcome all interest categories, we are specifically looking for Users and General Interest. “Users” include those who use space within an office building including tenants, tenant brokers, agents, floor measurers, architects and interior designers and others who are in the contractual employ of tenants. “General Interest” includes all firms and individuals that do not have a direct alignment in the business interests of producers or users. Such firms or individuals may include management companies, facility managers, appraisers, architects and other design professionals, general contractors, design-builders, construction managers, and project estimators who have a general interest in floor measurement standards for office buildings.

Please contact Karen Penafiel at kpenafiel@boma.org or 202-326-6323 if you are interested and for a copy of the pre-canvass interest survey. Surveys must be submitted prior to November 30, 2015.

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.

AMCA (Air Movement and Control Association)

Revision

- * ANSI/AMCA 230-2015, Laboratory Methods of Testing Air Circulating Fans for Rating and Certification (revision of ANSI/AMCA 230-2012): 10/16/2015

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

Revision

- * ANSI/ASSE 1002/ASME A112.1002/CSA B125.12-2015, Anti-Siphon Fill Valves (revision and redesignation of ANSI/ASSE 1002-2009): 10/16/2015

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

Revision

INCITS 440-2015, Information Technology - Card Durability / Service Life (revision of INCITS 440:2008 [R2013]): 10/16/2015

NEMA (ASC C80) (National Electrical Manufacturers Association)

Revision

- * ANSI C80.1-2015, Standard for Electrically Rigid Steel Conduit (revision of ANSI C80.1-2005): 10/19/2015

UL (Underwriters Laboratories, Inc.)

Reaffirmation

ANSI/UL 150-2011 (R2015), Standard for Safety for Antenna Rotators (reaffirmation of ANSI/UL 150-2011): 10/14/2015

ANSI/UL 1047-2010 (R2015), Standard for Safety for Isolated Power Systems Equipment (reaffirmation of ANSI/UL 1047-2010): 10/15/2015

Revision

ANSI/UL 50-2015, Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations (revision of ANSI/UL 50-2007 (R2012)): 10/16/2015

ANSI/UL 50E-2015, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations (revision of ANSI/UL 50E-2007 (R2012)): 10/16/2015

ANSI/UL 719-2015, Standard for Safety for Nonmetallic-Sheathed Cables (Proposal dated 07-03-15) (revision of ANSI/UL 719-2013): 9/8/2015

ANSI/UL 913-2015a, Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations (Proposal Ballot dated 05-01-15) (revision of ANSI/UL 913-2015): 10/16/2015

ANSI/UL 913-2015b, Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations (Ballot dated 08-28-15) (revision of ANSI/UL 913-2015): 10/16/2015

ANSI/UL 1008-2015, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2014b): 10/15/2015

ANSI/UL 1203-2015a, Standard for Safety for Explosion-Proof and Dust-Ignition Proof Electrical Equipment for Use in Hazardous (Classified) Locations (Proposal dated 06-26-15) (revision of ANSI/UL 1203-2015): 10/16/2015

ANSI/UL 1203-2015b, Standard for Safety for Explosion-Proof and Dust-Ignition Proof Electrical Equipment for Use in Hazardous (Classified) Locations (Proposal dated 09-04-15) (revision of ANSI/UL 1203-2015): 10/16/2015

X12 (ASC X12 Incorporated)

Reaffirmation

ANSI X12.1-2008 (R2013), Transaction Set Tables (reaffirmation of ANSI X12.1-2008): 10/16/2015

ANSI X12.3-2008 (R2013), Data Element Dictionary (reaffirmation of ANSI X12.3-2008): 10/16/2015

ANSI X12.5-2004 (R2013), Interchange Control Structures (reaffirmation of ANSI X12.5-2004 (R2008)): 10/16/2015

ANSI X12.6-2004 (R2013), Application Control Structure (reaffirmation of ANSI X12.6-2004 (R2008)): 10/16/2015

ANSI X12.22-2008 (R2013), Segment Directory (reaffirmation of ANSI X12.22-2008): 10/16/2015

ANSI X12.56-2004 (R2013), Interconnect Mailbag Control Structures (reaffirmation of ANSI X12.56-2004 (R2008)): 10/16/2015

ANSI X12.58-2004 (R2013), Security Structures (reaffirmation of ANSI X12.58-2004 (R2008)): 10/16/2015

ANSI X12.59-2004 (R2013), Implementation of EDI Structures - Semantic Impact (reaffirmation of ANSI X12.59-2004 (R2008)): 10/16/2015

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.

ABYC (American Boat and Yacht Council)

Office: 613 Third Street, Ste 10
Annapolis, MD 21403

Contact: David Broadbent

Fax: (410) 990-4466

E-mail: dbroadbent@abycinc.org

- * BSR/ABYC A-16-201x, Electric Navigation Lights (revision of ANSI/ABYC A-16-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with electric navigation lights.

This standard is a guide for the design, construction, performance, and installation of electric navigation lights.

- * BSR/ABYC A-32-201x, AC Power Conversion Equipment and Systems (revision of ANSI/ABYC A-32 2012)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with AC power conversion equipment and systems.

This standard is a guide for the design, construction and installation of electrical and electronic power conversion, control equipment and systems.

- * BSR/ABYC E-10-201x, Storage Batteries (revision of ANSI/ABYC E-10-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with storage batteries.

These standards and recommended practices are guides for the selection, location, installation, and wiring of storage batteries.

- * BSR/ABYC E-30-201x, Electric Propulsion Systems (revision and redesignation of ANSI/ABYC TE-30-2009)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with electric propulsion systems.

This standard is a guide for the design, construction, and installation of alternating current (AC) and direct current (DC) electrical systems on boats for the purpose of propulsion.

- * BSR/ABYC H-22-201x, Electric Bilge Pump Systems (revision of ANSI/ABYC H-22-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with electric bilge pump systems.

These standards are guides for the design, construction, installation, operation, and control of electric bilge pump systems.

- * BSR/ABYC H-26-201x, Powering of Boats (revision of ANSI/ABYC H-26-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with the powering of boats.

This standard is a guide for determining the maximum power for propulsion of outboard boats; evaluating the suitability of power installed in inboard boats; and determining maneuvering speed.

- * BSR/ABYC H-30-201x, Hydraulic Systems (revision of ANSI/ABYC H-30-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with hydraulic systems.

This standard is a guide for the design, construction, installation, operation, and control of hydraulic components used to transmit force.

* BSR/ABYC H-35-201x, Powering and Load Capacity of Pontoon Boats
(revision of ANSI/ABYC H-35-2011)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government personnel, trade associations, specialists, general interest groups.

Project Need: This standard identifies safety issues with the powering and load capacity of pontoon boats.

This standard is a guide for determining powering and load capacity of pontoon boats.

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/ISO 17101-1-201x MONYEAR, Agricultural machinery -
Thrown-object test and acceptance criteria - Part 1: Rotary mowers
(identical national adoption of ISO 17101-1:2012)

Stakeholders: North American farmers, manufacturers, mower operators.

Project Need: ASABE does not have a recognized safety standard for rotary disc and drum mowers and flail mowers thrown object testing.

Gives specifications and acceptance criteria for thrown-object testing of rotary mowers used in agriculture. Examples: self-propelled rotary mowers, basic rotary disc mowers, basic rotary drum mowers, rotary mower with conditioning device.

BSR/ASABE/ISO 17101-2-201x MONYEAR, Agricultural machinery -
Thrown-object test and acceptance criteria - Part 2: Flail mowers
(identical national adoption of ISO 17101-2:2012)

Stakeholders: North American farmers, manufacturers, mower operators.

Project Need: ASABE does not have a recognized safety standard for rotary disc and drum mowers and flail mowers thrown object testing.

Gives specifications and acceptance criteria for the thrown-object testing of flail mowers used in agriculture.

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 WK51663-201x, New Test Methods for Measurement of
Synthetic Turf System Infill Depths in the Laboratory and Field using
a Constant Ground Pressure 3-Prong Gauge (new standard)

Stakeholders: Artificial Turf Surfaces and Systems industry.

Project Need: This method is used to measure synthetic turf infill depth using a 3-prong gauge with a constant ground pressure plate with a standard contact surface area to minimize user errors associated with varying hand, gauge accuracies, and device inconsistencies associated with devices of varying mass and surface contact area.

<http://www.astm.org/DATABASE.CART/WORKITEMS/WK51663.htm>

ATIS (Alliance for Telecommunications Industry Solutions)

Office: 1200 G Street, NW
Suite 500
Washington, DC 20005

Contact: *Kerriane Conn*

Fax: (202) 347-7125

E-mail: kconn@atis.org

BSR/ATIS 0300220-201x, Representation of the Communications
Industry Manufacturers, Suppliers, and Related Service Companies
for Information Exchange (revision of ANSI/ATIS 0300220-2011)

Stakeholders: Communications industry.

Project Need: To provide the coding specifications for representing the names of communications industry manufacturers, suppliers, and related service companies for the purpose of efficient information exchange.

This standard provides the coding specifications for representing the names of communications industry manufacturers, suppliers, and related service companies for the purpose of efficient information exchange. This standard contains clauses covering its scope and purpose, definitions, coding specifications, and maintenance agent duties.

BSR/ATIS 0300253-201x, Identification of Location Entities for
Information Exchange (revision of ANSI/ATIS 0300253-2011)

Stakeholders: Communications industry.

Project Need: To define the format and structure of data elements and the overall code necessary to provide a form of identification of location entities for the purpose of efficient information exchange.

This standard defines the format and structure of data elements and the overall code necessary to provide a form of identification of location entities for the purpose of efficient information exchange. It also provides for instances of codes to represent geographical locations (e. g., cities, towns, and communities) within the states and territories of the United States and the provinces and territories of Canada, as well as in other countries and unique designations. This standard also provides information for the assignment of these codes. The provision of instances of the remaining data elements in the overall location code is also described.

AWS (American Welding Society)

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

Contact: *John Douglass*

E-mail: jdouglass@aws.org

BSR/AWS D14.6/D14.6M-201x, Specification for Welding of Rotating
Elements of Equipment (revision of ANSI/AWS D14.6/D14.6M-2012)

Stakeholders: Manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment which are fabricated or repaired by welding.

Project Need: Defines process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements for rotating elements of equipment.

This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment that are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.

NEMA (ASC C82) (National Electrical Manufacturers Association)

Office: 1300 N 17th St
Rosslyn, VA 22209

Contact: Michael Erbesfeld

E-mail: Michael.Erbesfeld@nema.org

- * BSR C82.11-201X, High Frequency Fluorescent Lamp Ballasts
(revision of ANSI C82.11-2011)

Stakeholders: Manufacturers, users, test labs, lighting specifiers.

Project Need: This project is needed to revise C82.11 to update it regarding lamp starting requirements, ballast efficiency methods of measurement, and dimming ballast efficiency methods of measurement.

This standard is intended to cover high-frequency ballasts that have rated open-circuit voltages of 2000 volts or less, operate the lamp at frequencies between 10 kHz and 500 kHz, and are intended to operate at a supply frequency of 50 Hz or 60 Hz. This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapid-start (continuously heated cathodes), modified rapid-start, programmed start, or instant start used primarily for lighting purposes. The ballast and lamp combinations covered by this specification are normally intended for use in room-ambient temperatures of 10°C to 40°C. At ambient temperatures outside this range, certain special operating characteristics may be required.

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Peachtree Corners, GA 30092

Contact: Laurence Womack

Fax: (770) 446-6947

E-mail: standards@tappi.org

- BSR/TAPPI T 412 om-201x, Moisture in pulp, paper and paperboard
(revision and redesignation of ANSI/TAPPI T 412 om-2011)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products, consumers or converters of such products, and suppliers of equipment, supplies, or raw materials for the manufacture of such products.

Project Need: To conduct required five-year review of an existing TAPPI/ANSI standard in order to revise it if needed to address new technology or correct errors.

The following procedure applies to pulp, paper, paperboard, and paper products, except those containing significant quantities of materials other than water that are volatile at lower than 107°C (224.6°F) or degrade above 103°C (217.4°F). Moisture is significant for economic reasons and for its effect on such properties as printability, shrinkage, dimensional stability, physical strength, and paper runnability.

UL (Underwriters Laboratories, Inc.)

Office: 455 East Trimble Road
San Jose, CA 95131-1230

Contact: Derrick Martin

Fax: (408) 754-6656

E-mail: Derrick.L.Martin@ul.com

- BSR/UL 104-201x, Standard for Safety for Elevator Door Locking
Devices and Contacts (new standard)

Stakeholders: Manufacturers and installers of elevators; manufacturers and users of elevator door locks and contacts.

Project Need: To obtain recognition of UL 104 as an American National Standard.

UL 104 covers the following elevator appliances intended for installation and operation in accordance with the requirements of the Safety Code for Elevators and Escalators, ASME A17.1: (a) Hoistway-door interlocks; (b) Hoistway-door combination mechanical lock and electrical contacts; and (c) Hoistway-door and car-door or gate electrical contacts.

UL (Underwriters Laboratories, Inc.)

Office: 12 Laboratory Dr.
Research Triangle Park, NC 27709

Contact: Nicolette Allen

Fax: (919) 549-0973

E-mail: Nicolette.Allen@ul.com

- * BSR/UL 92-201X, Standard for Safety for Fire Extinguisher and
Booster Hose (new standard)

Stakeholders: Manufacturers and users of fire extinguisher and booster hose.

Project Need: To obtain national recognition of a standard covering fire extinguisher and booster hose.

These requirements cover fire extinguisher and booster hose with or without couplings attached, in sizes of 3/8 inch (9.5 mm) up to and including a nominal internal diameter of 1-1/2 inches (38.1 mm) for use on portable, wheeled, and stationary fire extinguishers, and also as booster hose on fire apparatus. This hose is intended for use at maximum working pressure of 200, 250, 400, 600, 800, 1000, or 1250 psig (1.38, 1.72, 2.76, 4.14, 5.52, 6.90, or 8.62 MPa). These requirements also cover hose for use on fire extinguishers requiring characteristics for low-temperature flexibility at minus 54°C (minus 65°F).

UL (Underwriters Laboratories, Inc.)

Office: 455 E Trimble Road
San Jose, CA 95131-1230

Contact: Paul Lloret

Fax: (408) 754-6618

E-mail: Paul.E.Lloret@ul.com

- BSR/UL 1638A-201x, Standard for Safety for Visual Signal Appliances
for General Signaling Use (new standard)

Stakeholders: Manufacturers, suppliers, commercial users, AHJs, distributors.

Project Need: To obtain national recognition for a standard covering visual signal appliances for general signaling use.

Requirements cover electrically operated visual signaling appliances, rated 300 volts or less, and intended for indoor locations, outdoor locations, or both, in accordance with NFPA 70, the National Electrical Code.

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.

AAMI

Association for the Advancement of
Medical Instrumentation
4301 N Fairfax Drive
Suite 301
Arlington, VA 22203-1633
Phone: (703) 647-2779
Web: www.aami.org

ABYC

American Boat and Yacht Council
613 Third Street, Ste 10
Annapolis, MD 21403
Phone: (410) 990-4460
Fax: (410) 990-4466
Web: www.abycinc.org

AIAA

American Institute of Aeronautics and
Astronautics
1801 Alexander Bell Dr.
Reston, VA 20191
Phone: (703) 264-7546
Web: www.aiaa.org

AMCA

AMCA International, Inc.
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 394-0150
Fax: (847) 253-0088
Web: www.amca.org

API

American Petroleum Institute
1220 L Street, NW
Washington, DC 20005-4070
Phone: (202) 682-8151
Fax: (202) 682-4797
Web: www.api.org

ASABE

American Society of Agricultural and
Biological Engineers
2950 Niles Road
St Joseph, MI 49085
Phone: (269) 932-7015
Fax: (269) 429-3852
Web: www.asabe.org

ASHRAE

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (678) 539-1214
Fax: (678) 539-2214
Web: www.ashrae.org

ASME

American Society of Mechanical
Engineers
Two Park Avenue
New York, NY 10016
Phone: (212) 591-8521
Fax: (212) 591-8501
Web: www.asme.org

ASTM

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Fax: (610) 834-3683
Web: www.astm.org

ATIS

Alliance for Telecommunications
Industry Solutions
1200 G Street, NW
Suite 500
Washington, DC 20005
Phone: (202) 434-8841
Fax: (202) 347-7125
Web: www.atis.org

AWS

American Welding Society
8669 NW 36th Street
#130
Miami, FL 33166
Phone: (305) 443-9353
Web: www.aws.org

CSAA (Organization)

Central Station Alarm Association
8150 Leesburg Pike
Suite 700
Vienna, VA 22182
Phone: (703) 242-4670
Fax: (703) 242-4675
Web: www.csaaul.org

IAPMO (ASSE Chapter)

ASSE International Chapter of IAPMO
18927 Hickory Creek Dr Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Fax: (708) 479-6139
Web: www.asse-plumbing.org

ITI (INCITS)

InterNational Committee for
Information Technology Standards
1101 K Street, NW
Suite 610
Washington, DC 20005-3922
Phone: (202) 626-5743
Fax: (202) 638-4922
Web: www.incits.org

NECA

National Electrical Contractors
Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (301) 215-4549
Fax: (301) 215-4500
Web: www.neca-neis.org

NEMA (ASC C78)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
Phone: 703-841-3262
Web: www.nema.org

NEMA (ASC C80)

National Electrical Manufacturers
Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3267
Fax: (703) 841-3367
Web: www.nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-6866
Web: www.nsf.org

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway South
Peachtree Corners, GA 30092
Phone: (770) 209-7277
Fax: (770) 446-6947
Web: www.tappi.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7743
Web: www.tiaonline.org

UL

Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3198
Fax: (847) 664-3198
Web: www.ul.com

X12

ASC X12 Incorporated
8300 Greensboro Drive
Suite 800
McLean, VA 22102
Phone: (240) 367-5765
Web: www.x12.org



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); those regarding IEC documents should be sent to Charles T. Zegers, General Secretary of the USNC (czegers@ansi.org). The final date for offering comments is listed after each draft.

Ordering Instructions

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

ISO Standards

AIR QUALITY (TC 146)

ISO/DIS 12219-7, Interior air of road vehicles - Part 7: Odour determination in interior air of road vehicles and test chamber air of trim components by olfactory measurements - 1/14/2016, \$82.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 7870-8, Control charts - Part 8: Charting techniques for short runs and small mixed batches - 1/15/2016, \$102.00

FLOOR COVERINGS (TC 219)

ISO/DIS 20326, Resilient floor coverings - Specification for floor panels for loose laying - 11/16/2015, FREE

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 17972-2, Graphic technology - Colour data exchange format (CxF/X) - Part 2: Scanner target data (CxF/X-2) - 11/13/2015, \$71.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 19213, Implants for surgery - Test methods of material for use as a cortical bone model - 1/15/2016, \$58.00

PACKAGING (TC 122)

ISO/DIS 18616-1, Transport packaging - Reusable, rigid plastics distribution boxes - Part 1: General purpose application - 11/13/2015, \$67.00

ISO/DIS 18616-2, Transport packaging - Reusable, rigid plastics distribution boxes - Part 2: General specifications for testing - 11/13/2015, \$46.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 4259-1, Petroleum products - Precision of measurement methods and results - Part 1: Determination of precision data in relation to methods of test - 2/14/2016, \$134.00

PLASTICS (TC 61)

ISO/DIS 9994, Lighters - Safety specification - 11/16/2015, \$98.00

ISO/DIS 22702, Utility Lighters - Safety specifications - 11/16/2015, \$88.00

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

ISO/DIS 7432, Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Test methods to prove the design of locked socket-and-spigot joints, including double-socket joints, with elastomeric seals - 1/14/2016, \$58.00

QUANTITIES, UNITS, SYMBOLS, CONVERSION FACTORS (TC 12)

ISO/DIS 80000-5, Quantities and units - Part 5: Thermodynamics - 2/14/2016, \$71.00

ROAD VEHICLES (TC 22)

ISO/DIS 13296, Diesel engines - High-pressure fuel injection pipe assemblies - General requirements and dimensions - 11/14/2015, FREE

ISO/DIS 8820-4, Road vehicles - Fuse-links - Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures - 11/14/2015, \$71.00

ISO/DIS 18418-1, Gasoline engines - Medium pressure liquid fuel supply connections - Part 1: 60° female cone connectors - 11/13/2015, \$40.00

SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)

ISO/DIS 24523, Service activities relating to drinking water supply systems and wastewater systems - Guidelines for benchmarking of water utilities - 11/16/2015, \$71.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 19030-1, Ships and marine technology - Measurement of changes in hull and propeller performance - Part 1: General principles - 1/14/2016, \$93.00

ISO/DIS 19030-2, Ships and marine technology - Measurement of changes in hull and propeller performance - Part 2: Default method - 1/14/2016, \$107.00

ISO/DIS 19030-3, Ships and marine technology - Measurement of changes in hull and propeller performance - Part 3: Alternative methods - 1/15/2016, \$67.00

SMALL CRAFT (TC 188)

ISO 15085/DAMd2, Small craft - Man-overboard prevention and recovery - Amendment 2 - 11/16/2015, \$33.00

SOLID BIOFUELS (TC 238)

ISO/DIS 18135, Solid Biofuels - Sampling - 2/14/2016, \$134.00

ISO/DIS 17225-8, Solid biofuels - Fuel specifications and classes - Part 8: Graded thermally treated and densified biomass fuels - 2/14/2016, \$62.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO/DIS 2603, Simultaneous interpreting - Permanent booths - Requirements - 2/14/2016, FREE

ISO/DIS 4043, Simultaneous interpreting - Mobile booths - Requirements - 2/14/2016, \$58.00

ISO/DIS 20109, Simultaneous interpreting - Equipment - Requirements - 2/14/2016, \$67.00

ISO/DIS 24624, Language resource management - Transcription of spoken language - 1/15/2016, \$102.00

THERMAL INSULATION (TC 163)

ISO/DIS 18523-1, Energy performance of buildings - Schedule and condition of building, zone and room usage for energy calculation - Part 1: Non-residential buildings - 11/13/2015, \$185.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 18100, Timber structures - Finger jointed timber - Manufacturing and production requirements - 1/14/2016, \$82.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 15638-10, Intelligent transport systems - Framework for cooperative Telematics Applications for Regulated commercial freight Vehicles (TARV) - Part 10: Emergency messaging system/eCall (EMS) - 1/15/2016, \$119.00

WATER QUALITY (TC 147)

ISO/DIS 9696, Water quality - Measurement of gross alpha activity in non-saline water - Thick source method - 1/14/2016, \$62.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 17633, Welding consumables - Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels - Classification - 2/21/2016, \$107.00

WOOD-BASED PANELS (TC 89)

ISO/DIS 27769, Wood-based panels - Wet-process fibreboard - 1/15/2016, \$67.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 19752, Information technology - Office equipment - Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components - 11/13/2015, \$77.00

ISO/IEC DIS 20933, Information technology - Distributed application platforms and services (DAPS) - Access systems - 11/13/2015, \$62.00

ISO/IEC DIS 30105-3, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 3: Measurement framework and organizational maturity model - 11/16/2015, \$88.00

ISO/IEC DIS 30105-4, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 4: Terms and concepts - 11/16/2015, \$82.00

ISO/IEC DIS 30105-5, Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 5: Guidelines - 11/16/2015, \$102.00

IEC Standards

21/871/NP, Secondary high temperature cells and batteries, 01/22/2016

22/258A/CD, IEC 62477-2 Ed.1: Safety Requirements for Power Electronic Converter Systems and Equipment - Part 2: Power Electronic Converters from 1000 V a.c. or 1500 V d.c. up to 36 kV a.c. or 54 kV d.c., 01/15/2016

23/723/CD, IEC/TS 62735-2 Ed.1: D.C. Plugs and socket-outlets to be used in indoor access controlled areas - Part 2: Plug and socket-outlet system for 5,2 kW, 01/22/2016

23H/337/CD, IEC/TS 62196-4 Ed.1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 4: Dimensional compatibility and interchangeability requirements for a.c., d.c. and a.c./d.c. pin and contact-tube vehicle couplers for light electric vehicles, 01/22/2016

27/963/CD, IEC/TS 62997 Ed.1: Industrial electroheating and electromagnetic processing equipment - Evaluation of hazards caused by magnetic nearfields from 1 kHz to 6 MHz, 02/19/2016

34C/1168A/CD, Amendment 1 to IEC 61347-1 Ed.3: Lamp controlgear - Part 1: General and safety requirements, 12/11/2015

45A/1038/CDV, IEC 62859 Ed.1: Nuclear power plants - Instrumentation and control systems - Requirements for coordinating safety and cybersecurity, 01/22/2016

45A/1052/CD, IEC 62003 Ed.2: Nuclear power plants - Instrumentation, control and electrical systems important to safety - Requirements for electromagnetic compatibility testing, 01/22/2016

46C/1024/CD, IEC/TR 61156-1-6: Multicore and symmetrical pair (quad cables for digital communications - Part 1-6: Exploratory DC-resistance of floor-wiring and work area cables for digital communications, 01/22/2016

48B/2461/CD, IEC 61076-3-123/Ed1: Connectors for electronic equipment - Product requirements - Part 3-123: Rectangular connectors - Detail specification for hybrid connectors for industrial environments, for power supply and fibre optic data transmission, with push-pull locking, 01/22/2016

57/1612/CDV, IEC 61970-552 Ed.2: Energy management system application program interface (EMS-API) - Part 552: CIMXML Model exchange format, 01/22/2016

57/1613/CDV, IEC 60870-5-104 A1 Ed.2: Amendment 1 to IEC 60870-5-104 Ed.2: Telecontrol equipment and systems - Part 5-104: Transmission protocols - Network access for IEC 60870-5-101 using standard transport profiles, 01/22/2016

57/1614/DTS, IEC 60870-5-604 TS Ed.2: Telecontrol equipment and systems - Part 5-604: Conformance test cases for the IEC 60870-5-104 companion standard, 01/22/2016

57/1629/DC, Proposed revision of IEC 61968-1 Ed. 2.0, 2012: Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations, 12/18/2015

57/1631/DC, Proposal by TC 57 WG 10 to develop IEC TR 61850-90-18: Communication networks and systems for power utility automation - Part 90-18: Alarm handling in IEC 61850 based systems, 12/18/2015

- 85B/1027A/CD, IEC 62952-3: Power sources for a wireless communication device - Part 3: Energy harvesting specification, 01/08/2016
- 82/1010/CDV, IEC 61215-1-2 Ed.1: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of cadmium telluride (CdTe) photovoltaic (PV) modules, 01/22/2016
- 82/1011/CDV, IEC 61215-1-3 Ed.1: Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of amorphous silicon (a-Si) and microcrystalline silicon (micro c-Si) photovoltaic (PV) modules, 01/22/2016
- 82/1012/CDV, IEC 61215-1-4 Ed.1: Terrestrial photovoltaic (PV) modules Design qualification and type approval - Part 1-4: Special requirements for testing of copper indium gallium selenide (CIGS) and copper indium selenide (CIS) photovoltaic (PV) modules, 01/22/2016
- 86A/1685/CD, IEC 60794-1-2/E4: Optical fibre cables - Part 1-2: Generic specification - Cross reference table for optical cable test procedures, 01/22/2016
- 86A/1687/CD, IEC 60794-2/Ed4: Optical fibre cables - Part 2: Indoor optical fibre cables - Sectional specifications, 01/22/2016
- 86A/1689/NP, Future IEC 60794-1-3/Ed1: Optical fibre cables - Part 1-3: Generic specification - Optical cable elements, 01/22/2016
- 86A/1690/NP, Future IEC 60794-1-31/Ed1: Optical fibre cables Part 1-31: Sectional specification for cable element - Optical fibre ribbon, 01/22/2016
- 87/589/NP, Ultrasonics - Non-focusing and weakly focusing pressure pulse sources - Characteristics of fields, 01/22/2016
- 87/590/NP, Ultrasonics - Field Characterisation - measurement-based simulation in water and other media, 01/22/2016
- 100/2546/CDV, IEC 62766-4-1 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 4-1: Protocols (TA 1), 01/22/2016
- 100/2547/CDV, IEC 62766-4-2 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 4-2: Examples of Protocol Sequence (TA 1), 01/22/2016
- 100/2548/CDV, IEC 62766-5-1 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 5-1: Declarative Application Environment (TA 1), 01/22/2016
- 100/2549/CDV, IEC 62766-5-2 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 5-2: Web Standards TV Profile (TA 1), 01/22/2016
- 100/2550/CDV, IEC 62766-6 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 6: Procedural Application Environment (TA 1), 01/22/2016
- 100/2551/CDV, IEC 62766-7 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 7: Authentication, Content Protection and Service Protection (TA 1), 01/22/2016
- 100/2552/CDV, IEC 62766-8 Ed.1: Open IPTV Forum (OIPF) consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services - Part 8: Profiles (TA 1), 01/22/2016
- 113/286/NP, IEC TS 62607-2-4: Nanomanufacturing - Key control characteristics - Part 2-4: Carbon nanotube materials - Accuracy and repeatability of test methods for determination of resistance of individual carbon nanotubes, 01/22/2016



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 18781:2015](#), Identification cards - Laundry testing of ID Cards, \$51.00

[ISO/IEC TR 19763-9:2015](#), Information technology - Metamodel framework for interoperability (MFI) - Part 9: On demand model selection, \$123.00

[ISO/IEC TR 29110-3-1:2015](#), Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-1: Assessment guide, \$200.00

[ISO/IEC TR 29110-3-4:2015](#), Systems and software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 3-4: Autonomy-based improvement method, \$149.00

CORK (TC 87)

[ISO 10718:2015](#), Cork stoppers - Characterization of a low-in-germs stopper, through the enumeration of colony-forming units of yeasts, moulds and bacteria, capable of both being extracted and growing in alcoholic medium, \$51.00

HOROLOGY (TC 114)

[ISO 19235:2015](#), Analogue quartz clocks - Timing accuracy, \$88.00

INDUSTRIAL TRUCKS (TC 110)

[ISO 5053-1:2015](#), Industrial trucks - Terminology and classification - Part 1: Types of industrial trucks, \$265.00

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

[ISO 19901-1:2015](#), Petroleum and natural gas industries - Specific requirements for offshore structures - Part 1: Metocean design and operating considerations, \$265.00

MECHANICAL CONTRACEPTIVES (TC 157)

[ISO 4074:2015](#), Natural rubber latex male condoms - Requirements and test methods, \$240.00

OTHER

[IWA 15:2015](#), Specification and method for the determination of performance of automated liquid handling systems, \$265.00

REFRIGERATION (TC 86)

[ISO 23953-1:2015](#), Refrigerated display cabinets - Part 1: Vocabulary, \$123.00

RUBBER AND RUBBER PRODUCTS (TC 45)

[ISO 13775-1:2015](#), Thermoplastic tubing and hoses for automotive use - Part 1: Non-fuel applications, \$123.00

SAFETY OF MACHINERY (TC 199)

[ISO 14123-1:2015](#), Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers, \$88.00

SMALL CRAFT (TC 188)

[ISO 12217-1:2015](#), Small craft - Stability and buoyancy assessment and categorization - Part 1: Non-sailing boats of hull length greater than or equal to 6 m, \$240.00

[ISO 12217-2:2015](#), Small craft - Stability and buoyancy assessment and categorization - Part 2: Sailing boats of hull length greater than or equal to 6 m, \$265.00

[ISO 12217-3:2015](#), Small craft - Stability and buoyancy assessment and categorization - Part 3: Boats of hull length less than 6 m, \$240.00

SOLID BIOFUELS (TC 238)

[ISO 17829:2015](#), Solid Biofuels - Determination of length and diameter of pellets, \$51.00

[ISO 18122:2015](#), Solid biofuels - Determination of ash content, \$51.00

[ISO 18123:2015](#), Solid biofuels - Determination of the content of volatile matter, \$88.00

SURFACE CHEMICAL ANALYSIS (TC 201)

[ISO 11775:2015](#), Surface chemical analysis - Scanning-probe microscopy - Determination of cantilever normal spring constants, \$149.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 24014-1:2015](#), Public transport - Interoperable fare management system - Part 1: Architecture, \$240.00

ISO Technical Reports

NATURAL GAS (TC 193)

[ISO/TR 12748:2015](#), Natural Gas - Wet gas flow measurement in natural gas operations, \$265.00

ISO Technical Specifications

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO/TS 18340:2015](#), Endoscopes - Trocar pins, trocar sleeves and endotherapy devices for use with trocar sleeves, \$88.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 15444-5:2015](#), Information technology - JPEG 2000 image coding system: Reference software, \$123.00

[ISO/IEC 19763-7:2015](#), Information technology - Metamodel framework for interoperability (MFI) - Part 7: Metamodel for service model registration, \$173.00

[ISO/IEC 19763-8:2015](#), Information technology - Metamodel framework for interoperability (MFI) - Part 8: Metamodel for role and goal model registration, \$149.00

[ISO/IEC 23008-3:2015](#), Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 3: 3D audio, \$265.00

IEC Standards

INSULATORS (TC 36)

[IEC 62231-1 Ed. 1.0 b:2015](#), Composite station post insulators for substations with AC voltages greater than 1 000 V up to 245 kV - Part 1: Dimensional, mechanical and electrical characteristics, \$73.00

SAFETY OF HAND-HELD MOTOR-OPERATED ELECTRIC TOOLS (TC 116)

[IEC 62841-1 Ed. 1.0 b cor.2:2015](#), Corrigendum 2 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements, \$0.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 61770 Ed. 2.1 b:2015](#), Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets, \$200.00

[IEC 61770 Amd.1 Ed. 2.0 b:2015](#), Amendment 1 - Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets, \$14.00

[IEC 60335-2-75 Ed. 3.1 b:2015](#), Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, \$290.00

[IEC 60335-2-75 Amd.1 Ed. 3.0 b:2015](#), Amendment 1 - Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines, \$14.00

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 rely 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.

ANSI Accredited Standards Developers

Approval of Reaccreditation

ASC C136 – Roadway and Area Lighting

At the direction of ANSI's Executive Standards Council (ExSC), the reaccreditation of Accredited Standards Committee C136, Roadway and Area Lighting has been approved under its recently revised operating procedures for documenting consensus on ASC C136-sponsored American National Standards, effective October 21, 2015. For additional information, please contact the Secretariat of ASC C50: Ms. Karen Willis, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209; phone: 703.841.3277; e-mail: Karen.willis@nema.org.

Building Performance Institute (BPI)

On behalf of ANSI's Executive Standards Council, the reaccreditation of the Building Performance Institute (BPI), an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on BPI-sponsored American National Standards has been approved effective October 21, 2015. For additional information, please contact: Ms. Susan Carson, Manager of Standards, Building Performance Institute, Inc., 107 Hermes Road, Suite 110, Malta, NY 12020; phone: 877.274.1274; e-mail: scarson@bpi.org.

IPC – Association Connecting Electronics Industries

On behalf of ANSI's Executive Standards Council, the reaccreditation of IPC – Association Connecting Electronics Industries, an ANSI Organizational Member and Accredited Standards Developer, under its recently revised operating procedures for documenting consensus on IPC-sponsored American National Standards has been approved effective October 21, 2015. For additional information, please contact: Ms. Jeanne Cooney, Manager, ANSI Programs, IPC – Association Connecting Electronics Industries, 3000 Lakeside Drive, Suite 105N, Bannockburn, IL 60015; phone: 847.597.2842; e-mail: JeanneCooney@ipc.org.

Withdrawal of ANS by an ANSI-Accredited Standards Developer

ANSI/API 521-2006

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following has been withdrawn as an ANS:

ANSI/API 521-2006, Pressure-Relieving and Depressuring Systems / Petroleum and Natural Gas Industries – Pressure-Relieving and Depressuring Systems – superseded by Sixth edition of API Standard 521, published in January 2014

Questions may be directed to: Stephen Crimauco, (202) 682-8151, crimaudos@api.org.

ANSI Accreditation Program for Third Party Product Certification Agencies

Accreditation in accordance with ISO/IEC 17065

Drummond Group, LLC

Comment Deadline: November 23, 2015

Ms. Jodi Gonzalez - Quality Manager
Drummond Group, LLC
 13359 North Hwy 183, Ste B-406-238
 Austin, TX 78750
 PHONE: 512-599-1817
 FAX: 817-294-7950

On October 2, 2015, Drummond Group, LLC was granted Accreditation in accordance with ISO/IEC 17065 for the following certification scheme and new scopes:

LISTING OF CERTIFICATION SCHEME(S)

Department of Health and Human Services
 Office of the Secretary

45 CFR Part 170 — HEALTH INFORMATION TECHNOLOGY STANDARDS, IMPLEMENTATION SPECIFICATIONS, AND CERTIFICATION CRITERIA AND CERTIFICATION PROGRAMS FOR HEALTH INFORMATION TECHNOLOGY

2014 Edition Release 2 Electronic Health Record (EHR) Certification Criteria and the ONC HIT Certification Program; Regulatory Flexibilities, Improvements, and Enhanced Health Information Exchange

for programs within the following scope of accreditation:

SCOPE OF ACCREDITATION

GRANTED 2015-10-02:

Subpart E: ONC HIT Certification Program

- (a) Complete EHR certification; and/or
- (b) EHR Module certification; and/or
- (c) Certification of other types of HIT for which the Secretary has adopted certification criteria under subpart C of this part.

References

Subpart B: Standards and Implementation Specifications for Health Information Technology
 Subpart C: Certification Criteria for Health Information Technology

Please send your comments by November 23, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

ICSA Labs

Comment Deadline: November 23, 2015

Mr. George Japak - Managing Director

ICSA Labs
 1000 Bent Creek Blvd, Suite 200
 Mechanicsburg, PA 17050
 PHONE: 717-790-8100
 FAX: 717-790-8170
 E-mail: gjapak@icsalabs.com
 Web: www.icsalabs.com

On October 2, 2015, ICSA Labs was granted Accreditation in accordance with ISO/IEC 17065 for the following certification scheme and new scopes:

LISTING OF CERTIFICATION SCHEME(S)

Department of Health and Human Services
 Office of the Secretary

45 CFR Part 170 - HEALTH INFORMATION TECHNOLOGY STANDARDS, IMPLEMENTATION SPECIFICATIONS, AND CERTIFICATION CRITERIA AND CERTIFICATION PROGRAMS FOR HEALTH INFORMATION TECHNOLOGY

2014 Edition Release 2 Electronic Health Record (EHR) Certification Criteria and the ONC HIT Certification Program; Regulatory Flexibilities, Improvements, and Enhanced Health Information Exchange

for programs within the following scope of accreditation:

SCOPE OF ACCREDITATION

GRANTED 2015-10-02:

Subpart E: ONC HIT Certification Program

- (a) Complete EHR certification; and/or
- (b) EHR Module certification; and/or
- (c) Certification of other types of HIT for which the Secretary has adopted certification criteria under subpart C of this part.

References

Subpart B: Standards and Implementation Specifications for Health Information Technology
 Subpart C: Certification Criteria for Health Information Technology

Please send your comments by November 23, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigueir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

InfoGard Laboratories, Inc.**Comment Deadline: November 23, 2015**

Ms. Stephanie Eckgren - Quality Manager
InfoGard Laboratories, Inc.
 709 Fiero Lane, Suite 25
 San Luis Obispo, CA 93401
 PHONE: 805-783-0810
 FAX: 805-783-0889
 E-mail: seckgren@infogard.com
 Web: www.infogard.com

On October 2, 2015, InfoGard Laboratories, Inc. was granted Accreditation in accordance with ISO/IEC 17065 for the following certification scheme and new scopes:

LISTING OF CERTIFICATION SCHEME(S)

Department of Health and Human Services

Office of the Secretary

45 CFR Part 170 – HEALTH INFORMATION TECHNOLOGY STANDARDS, IMPLEMENTATION SPECIFICATIONS, AND CERTIFICATION CRITERIA AND CERTIFICATION PROGRAMS FOR HEALTH INFORMATION TECHNOLOGY

2014 Edition Release 2 Electronic Health Record (EHR) Certification Criteria and the ONC HIT Certification Program; Regulatory Flexibilities, Improvements, and Enhanced Health Information Exchange

for programs within the following scope of accreditation:

SCOPE OF ACCREDITATION

GRANTED 2015-10-02:

Subpart E: ONC HIT Certification Program

- (a) Complete EHR certification; and/or
- (b) EHR Module certification; and/or
- (c) Certification of other types of HIT for which the Secretary has adopted certification criteria under subpart C of this part.

References

Subpart B: Standards and Implementation Specifications for Health Information Technology
 Subpart C: Certification Criteria for Health Information Technology

Please send your comments by November 23, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigureir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@ansi.org.

Voluntary Withdrawal from ANSI Accreditation 0 EPA Energy Star and EPA WaterSense**Water Quality Association****Comment Deadline: November 23, 2015**

Tambra Thomas, CWS-VI
 Quality Manager
Water Quality Association
 4151 Naperville Road
 Lisle, IL 60532
 Direct: (630) 929-2541

On October 19 2015, Water Quality Association (WQA) voluntarily withdrew from ANSI accreditation of the following scopes:

SCOPE(S)

EPA WaterSense

High-Efficiency Flushing Urinals

High-Efficiency Lavatory Faucets

Showerheads

Tank-Type High-Efficiency Toilets

EPA ENERGY STAR®

Commercial Appliances

EPAES Water Coolers

Please send your comments by November 23, 2015 to Reinaldo Balbino Figueiredo, Senior Program Director, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: rfigureir@ansi.org, or Nikki Jackson, Sr. Program Manager, Product Certifier Accreditation, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, Fax: 202-293-9287 or e-mail: njackson@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.

Meeting Notice

U.S. TAGs to ISO/TC 242, Energy Management, and ISO/TC 257, Evaluation of Energy Savings

The U.S. TAGs to ISO/TC 242, Energy Management, and ISO/TC 257, Evaluation of Energy Savings, will meet on December 1, 2015 and December 2, 2015 at the offices of Bureau Veritas Certification North America in Houston, Texas. We invite those interested in participating to register for the meeting with Deann Desai at deann.desai@gatech.edu.

Information Concerning

American National Standards

Withdrawal from ANS Process

ASTM Committee E61 on Radiation Processing

Approved and Proposed ANS Withdrawn

Effective October 13, 2015 ASTM Committee E61 on Radiation Processing has withdrawn its work from the American National Standards process. Questions may be directed to accreditation@astm.org. The standards and projects include the following:

Designation	Title
E1026	Practice for Using the Fricke Dosimetry System
E1205	Practice for Use of a Ceric-Cerous Sulfate Dosimetry System
E1261	Guide for Selection and Calibration of Dosimetry Systems for Radiation Processing
E1275	Practice for Use of a Radiochromic Film Dosimetry System
E1276	Practice for Use of a Polymethylmethacrylate Dosimetry System
E1310	Practice for Use of a Radiochromic Optical Waveguide Dosimetry System
E1401	Practice for Use of a Dichromate Dosimetry System
E1538	Practice for Use of the Ethanol-Chlorobenzene Dosimetry System
E1539	Practice for Use of Radiation-Sensitive Indicators
E1540	Practice for Use of a Radiochromic Liquid Dosimetry System
E1607	Practice for Use of the Alanine-EPR Dosimetry System
E1608	Practice for Dosimetry in an X-Ray (Bremsstrahlung) Facility for Radiation Processing at Energies between 50 keV and 7.5 MeV
E1631	Practice for Use of Calorimetric Dosimetry Systems for Electron Beam Dose Measurements and Dosimeter Calibrations
E1649	Practice for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies Between 300 keV and 25 MeV
E1650	Practice for Use of Cellulose Acetate Dosimetry Systems
E1702	Practice for Dosimetry in a Gamma Irradiation Facility for Radiation Processing
E1707	Guide for Estimation of Measurement Uncertainty in Dosimetry for Radiation Processing
E1818	Practice for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies Between 80 and 300 keV
E1900	Guide for Dosimetry in Radiation Research on Food and Agricultural Products
E1939	Practice for Blood Irradiation Dosimetry
E1940	Guide for Irradiation of Insects for Sterile Release Programs
E1956	Practice for Use of a Thermoluminescence-Dosimetry System (TLD System) for Radiation Processing

E2116	Practice for Dosimetry for a Self-Contained Dry-Storage Gamma-Ray Irradiator
E2232	Guide for Selection and Use of Mathematical Methods for Calculating Absorbed Dose in Radiation Processing Applications
E2303	Guide for Absorbed-Dose Mapping in Radiation Processing Facilities
E2304	Practice for Use of a LiF Photo-Fluorescent Film Dosimetry System
E2381	Guide for Dosimetry In Radiation Processing of Fluidized Beds and Fluid Streams
E2449	Guide for Irradiation of Pre-packaged Processed Meat and Poultry Products to Control Pathogens and Other Microorganisms
E2628	Practice for Dosimetry in Radiation Processing
E2701	Guide for Performance Characterization of Dosimeters and Dosimetry Systems for Use in Radiation Processing
F1355	Guide for Irradiation of Fresh Agricultural Produce as a Phytosanitary Treatment
F1356	Practice for Irradiation of Fresh and Frozen Red Meat and Poultry to Control Pathogens and Other Microorganisms
F1640	Guide for Selection and Use of Packaging Materials for Foods to Be Irradiated
F1736	Guide for Irradiation of Finfish and Aquatic Invertebrates Used as Food to Control Pathogens and Spoilage Microorganisms
F1885	Guide for Irradiation of Dried Spices, Herbs, and Vegetable Seasonings to Control Pathogens and Other Microorganisms

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.



**BSR/ASHRAE Addendum w
to ANSI/ASHRAE Standard 62.2-2013**

Public Review Draft

**Proposed Addendum w to
Standard 62.2-2013, Ventilation and
Acceptable Indoor Air Quality in Low-Rise
Residential Buildings**

**First Public Review (September 2015)
(Draft shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© 2015 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

BSR/ASHRAE Addendum w to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
 First Public Review Draft

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposed addendum updates the normative references in anticipation of publishing the 2016 edition of Standard 62.2.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum w to 62.2-2013

Revise Section 10 as shown below.

10. REFERENCES

1. ANSI/ASTM E779-10. *Standard Test Method for Determining Air Leakage Rate by Fan Pressurization*. ASTM International, West Conshohocken, PA.
2. CAN/CGSB 149.10-M86. *Determination for the Airtightness of Building Envelopes by the Fan Depressurization Method*. Canadian General Standard Board, Gatineau, Quebec, Canada.
3. RESNET. ~~2013~~²⁰¹⁴. *Mortgage Industry National Home Energy Rating Systems Standard*. Residential Energy Services Network.
4. ASHRAE Guideline 24-~~2015~~²⁰⁰⁸, *Ventilation and Indoor Air Quality in Low-Rise Residential Buildings*. ASHRAE, Atlanta, GA.
5. NFPA 54-~~2015~~²⁰⁰²/ANSI Z223.1-~~2015~~²⁰⁰², *National Fuel Gas Code*. National Fire Protection Association and American Gas Association, Quincy, MA, and Washington, DC.
6. NFPA 31-~~2011~~²⁰⁰⁶, *Standard for the Installation of Oil- Burning Equipment*. National Fire Protection Association, Quincy, MA.
7. NFPA 211-~~2013~~²⁰⁰⁶, *Standard for Chimneys, Fireplaces, Vents, and Solid-Fuel Burning Appliances*. National Fire Protection Association, Quincy, MA.
8. California Energy Commission (2013). California Title 24 Standards, Reference Appendix RA3.
9. ANSI/ASTM E1554/~~E1554M-13~~⁰⁷, *Standard Test Methods for Determining External Air Leakage of Air Distribution Systems by Fan Pressurization*. ASTM International, West Conshohocken, PA.

BSR/ASHRAE Addendum w to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
First Public Review Draft

10. ANSI/ASHRAE Standard 52.2-~~2012~~²⁰⁰⁷ with 2015 Supplement, *Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size*. ASHRAE, Atlanta, GA.
11. AHRI Standard 680-2009, *Performance Rating of Residential Air Filter Equipment*. Air-Conditioning, Heating, and Refrigerating Institute, Arlington, VA.
12. NFPA 720-~~2015~~²⁰⁰⁹, *Standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment*. National Fire Protection Association, Quincy, MA.
13. ANSI/ASHRAE Standard 51-1999/AMCA Standard 210-99, *Laboratory Methods of Testing Fans for Aerodynamic Performance Rating*. American Air Movement and Control Association International, Inc., Arlington Heights, IL.
14. NSI/AMCA Standard 300-~~1405~~, *Reverberant Room Method for Sound Testing of Fans*. American Air Movement and Control Association International, Inc., Arlington Heights, IL.
15. HVI 915-~~2015~~⁹⁰⁶, *Loudness Testing and Rating Procedure* ~~Procedure for Loudness Rating of Residential Fan Products~~. Home Ventilating Institute, Arlington Heights, IL.
16. HVI 916-~~2013~~⁹⁰⁹, *Air Flow Test Procedure*. Home Ventilating Institute, Arlington Heights, IL.
17. HVI 920-~~2015~~⁹⁰⁹, *Product Performance Certification Procedure Including Verification and Challenge*. Home Ventilating Institute, Arlington Heights, IL.
18. ANSI/ASHRAE Standard 62.1-~~2013~~²⁰¹⁰, *Ventilation for Acceptable Indoor Air Quality*. ASHRAE, Atlanta, GA.
19. ANSI/ASTM E1827-~~11~~⁰⁷, *Standard Test Methods for Determining Airtightness of Buildings Using an Orifice Blower Door*, ASTM International, West Conshohocken, PA
20. ANSI/NAHB Z765-2003, *American National Standard for Single-Family Residential Buildings Square Footage Method for Calculating*. National Association of Home Builders, Washington, DC.

Not for publication. This document is part of the NSF International standard development process. This draft text is for circulation for review and/or approval by a NSF Standards Committee and has not been published or otherwise officially adopted. All rights reserved. This document may be reproduced for informational purposes only.

NSF International Standard for Dietary Supplements —

Dietary supplements

3 Definitions

Terms used in this Standard that have special technical meaning are defined here.

-
-
-

3.18 protein: A chain of amino acids connected by peptide bonds.

-
-
-

5 Product requirements

-
-
-

5.6 Proteins

Protein content, for products that claim protein at greater than 5% daily value, shall exclude quantifiable non-protein nitrogen-containing substances (e.g., free amino acids, taurine, creatine, alkaloids, etc.) that may be present in the product.

-
-
-

6 Test methods used by testing laboratories for identification and quantification of ingredients – raw materials and finished products

-
-
-

6.2 Quantification test methods

-
-
-

Tracking Number 173i50r3
© 2014 NSF

NSF/ANSI 173 – 20XX
Issue 50, Revision 3 (October 2015)

6.2.5 Proteins

The quantity of protein shall be analyzed using methods scientifically valid and suitable for the intended purpose. Methods used shall exclude or account for nitrogen containing non-protein compounds. Sources for methods should include AOAC International, USP and other method sources. Modification of an existing method to better suit the sample under test is allowable. If no appropriate method exists, development of a new method is allowable. The use of any modified or new method shall require that an assessment be performed which includes evaluation of the method specificity, linearity, precision, accuracy, spike recovery, and method detection limit (if applicable).

-
-
-

BSR/UL 132, Standard for Safety for Safety Relief Valves for Anhydrous Ammonia and LP-Gas

1. Replace ASTM G26 with ASTM G155 in 21.1

21.1 Polymeric parts shall exhibit average physical property values (functional support and impact resistance) after 1000 hours of xenon-arc, Type B, in accordance with the ~~Practice for Operating Light Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials, ASTM G26, Standard Practice for Operating Xenon-Light Apparatus for Exposure of Non-Metallic Materials, G155, ASTM G155, Exposure Method 1 Method A,~~ of not less than 70 percent of unconditioned values when tested in accordance with 21.2.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 365, Standard for Police Station Connected Burglar Alarm Units and Systems

1. Expand electronic media to include website.

PROPOSAL

4A.3 Other installation instructions, operating and test instructions shall be made available by printed hardcopy or by physical electronic media such as a CD, DVD, website, or equivalent etc. Optionally, a A copy shall may be supplied with each individual product or with each single shipment when multiples of the same products are shipped directly (to an end customer) in a single shipment.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 448, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service

PROPOSAL FOR UL 448

Topic 1. Requirements Addressing Multistage Multiport Fire Pumps

PROPOSAL

5.4 PRESSURE, NET (TOTAL HEAD):

- a) For a split-case, end-suction, or in-line pump, multistage multiport, or a vertical-turbine pump in a suction vessel, the algebraic difference in psi (kPa) between pressures measured at the discharge flange and at the suction flange, corrected to the pump centerline and corrected for differences in velocity head at the points of gauge attachment.
- b) For a vertical-turbine pump in a sump or well, the pressure measured by a pressure gauge attached just beyond the discharge head, corrected for the velocity head at the point of gauge attachment and for the vertical distance from the pumping water level to the center of the gauge.

5.9.1 PUMP, MULTISTAGE MULTIPOINT - A centrifugal pump with multiple impellers operating in series where the discharge from each impeller, except for the last impeller, provides pressure to the subsequent stage and multiple discharge ports are provided at certain locations within the stages of the pump.

6.1 An end-suction or in-line pump shall be of a single- or two-stage construction. A split-case pump may be of a single-stage or multistage construction. A multistage multiport pump shall be of a multistage construction with multiple outlets. A vertical-turbine pump may have any number of bowls and impellers.

6.2 A split-case, multistage multiport, vertical-turbine, end-suction, or in-line pump shall have a rated capacity equal to a value specified in Table 6.1, or greater than 5000 gallons per minute (18925 liters per minute) in 500 gallons per minute (1892 liters per minute) increments.

SPLIT-CASE, END-SUCTION, AND IN-LINE, AND MULTISTAGE MULTIPOINT PUMPS

7.1 Except for multistage multiport pumps, a The pump casing shall be constructed to permit examination of impellers and other interior parts without disturbing suction or discharge piping. The casing shall include means to facilitate disassembly of the casing, and the stuffing box cover (if provided), without requiring the use of wedges or prying elements, such as by provision of tapped holes for jackscrews.

24.4.1 For multistage multiport pumps, testing shall be conducted on pump samples considered representative of the range of stages, discharge outlets and impeller diameters requested by the pump manufacturer.

24.9 A split-case, end-suction, ~~or~~ in-line pump, multistage multiport, or a vertical-turbine pump provided with a suction vessel, is to be tested at rated capacity and 150 percent of rated capacity with a water vacuum of 15 feet (4.57 m) at the pump suction flange (manometer location corrected to datum) at sea level and reduced by 0.001 feet (0.3 mm) for each foot (0.3 m) of elevation above sea level.

25.1 A split-case or multistage multiport pump with the shaft in the vertical position shall be subjected to an endurance test for 24 hours at maximum rated speed and rated capacity using the largest diameter impeller. During this test, the bearings shall not exhibit wear as indicated by an increase in horsepower required by the pump. Also, the lower bearings shall remain free of water during the endurance test and in the nonoperating condition.

27.1 To verify compliance with these requirements in production, the manufacturer shall provide the necessary production control, inspection, and tests. The program shall include at least the following:

- a) Each pump is to be subjected to the tests specified in 24.5, and shall comply with the applicable requirements in 24.1 - 24.4. Each outlet of multistage multiport pumps shall be tested for compliance with the applicable requirements. For a vertical turbine pump provided with a suction vessel, the suction vessel is to be included in the test.
- b) Each pump is to be tested hydrostatically for not less than 5 minutes. The test pressure is to be not less than 1-1/2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa). There shall be no rupture or leakage through the castings at the test pressure. For a vertical turbine pump, both the discharge head and pump's bowls are to be tested. The suction vessel of a vertical-turbine pump is to be tested at twice the rated maximum suction pressure of the pump.
- c) The impeller(s) of each pump shall be balanced in accordance with the requirement in 6.8.
- d) Records are to be maintained of all tests conducted.

28.3 The nameplate shall include the following information:

- a) Manufacturer's or private labeler's name or identifying symbol;
- b) Capacity of pump, ___ gallons per minute at ___ pounds per square inch (rated net pressure), or ___ liters per minute at ___ kPa (rated net pressure). For multistage multiport pumps, the capacity and rated net pressure for each outlet shall be provided;
- c) Rated speed;
- d) Model or type designation;
- e) Serial number;
- f) Shutoff pressure or the maximum net pressure if this pressure is higher than shutoff pressure (psi or kPa). For multistage multiport pumps, this pressure is to be provided for each outlet;
- g) Net pressure at 150 percent rated capacity (psi or kPa). For multistage multiport pumps, this pressure is to be provided for each outlet;
- h) Number of stages;
- i) Impeller diameter. For multistage multiport pumps, this diameter is to be provided for each stage;
- j) Maximum brake-horsepower required at rated speed at any capacity condition;
- k) Maximum positive suction pressure (psi or kPa) for pumps intended to be connected to suction piping; and
- l) For a vertical turbine pump intended for installation in a sump or well, the minimum submergence (inches or centimeters).

Topic 2. Clarification of Requirements Related to Pump Construction and Performance Testing

PROPOSAL

6.13 Impeller, impeller wearing rings, case wearing rings, shaft sleeves, guide or diffusion vane rings, lantern rings, stuffing-box bottoms, interior nuts, linings of stuffingbox throats, glands, gland nuts, and drain plugs shall be of corrosion-resistant material.

~~8.2 Impeller, impeller wearing rings, case wearing rings, shaft sleeves, guide or diffusion vane rings, lantern rings, stuffing box bottoms, interior nuts, linings of stuffing box throats, glands, gland nuts, and drain plugs shall be of corrosion-resistant material.~~

24.1 A pump shall have a rated capacity as specified in 6.2 and shall have rated net pressures of 40 psi (276 kPa) or higher. More than one capacity-pressure rating may be developed for any pump. For each rated capacity, a pump shall develop not less than the rated total head as defined in 5.4 when tested with a positive pressure at the inlet.

Topic 3. Revised Requirements Related to Keyways to Secure Shafts and Impellers

PROPOSAL

6.7 The maximum combined shear stress for a pump shaft, based upon the minimum diameter (not including undercutting for keys), shall not exceed 30 percent of the elastic limit in tension or be more than 18 percent of the ultimate tensile strength of the shafting steel used. For shafts with keyways, the allowable stress limits shall be 75 percent of the stresses calculated using the minimum shaft diameter. Compliance with this requirement is to be verified by a review of manufacturers' stress calculations.

19.1 The line-shaft sections of smaller diameter shall be connected by left-handed threads threaded or keyed couplings made of materials similar to those of the line shafts with which they are to be used. The threads shall be of the nontapered type. ~~On shaft diameters larger than two and a half inches, a coupling connection built to accommodate keys to transmit torque and split thrust rings or other means to transmit thrust shall be permitted to be used.~~

BSR/UL 609, Standard for Local Burglar Alarm Units and Systems

1. Expand electronic media to include website.

PROPOSAL

4A.3 Other installation instructions, operating and test instructions shall be made available by printed hardcopy or by physical electronic media such as a CD, DVD, website, or equivalent etc. Optionally, a A copy shall may be supplied with each individual product or with each single shipment when multiples of the same products are shipped directly (to an end customer) in a single shipment.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 636, Standard for Holdup Alarm Units and Systems

1. Allow use of electronic media for providing documentation.

PROPOSAL

4.2 The instructions may be incorporated on the inside of the product, on a separate sheet, or as part of a manual, or as electronic media such as a CD, DVD, website, or the equivalent. If not included directly on the product, the instructions or manual shall be referenced in the marking information on the product.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 1076, Standard for Proprietary Burglar Alarm Units and Systems

1. Expand electronic media to include website.

PROPOSAL

4A.3 Other installation instructions, operating and test instructions shall be made available by printed hardcopy or by physical electronic media such as a CD, DVD, website, or equivalent etc. Optionally, a A copy shall may be supplied with each individual product or with each single shipment when multiples of the same products are shipped directly (to an end customer) in a single shipment.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.

BSR/UL 1283, Standard for Electromagnetic Interference Filters**1. Revise Section 27, Temperature, to be in line with IEC 60939****PROPOSAL****Table 27.1****Maximum temperatures**

Part	Maximum Temperature (T_{max}) °C
Windings, if the winding insulation according to IEC 60085, Electrical insulation - Thermal evaluation and designation, is:	
class 105 (A)	90
class 120 (E)	105
class 130 (B)	120
class 155 (F)	130
class 180 (H)	155
class 200 (N)	180
class 220 (R)	200
class 250	220
Components	According to the relevant IEC and UL standards
Pins of appliance inlets:	
for very hot conditions	155
for hot conditions	120
for cold conditions	70
Bare terminals (Terminal material):	
Bare copper	100
Bare brass	105
Tin plated copper or brass	105
Silver plated or nickel plated copper or brass	110
Other metals	^a
^a Temperature-rise limits to be based on service experience or life tests but not to exceed 105°C.	

BSR/UL 1610, Standard for Central-Station Burglar-Alarm Units

1. Expand electronic media to include website.

PROPOSAL

4A.3 Other installation instructions, operating and test instructions shall be made available by printed hardcopy or by physical electronic media such as a CD, DVD, website, or equivalent etc. Optionally, a A copy shall may be supplied with each individual product or with each single shipment when multiples of the same products are shipped directly (to an end customer) in a single shipment.

UL copyrighted material. Not authorized for further reproduction without prior permission from UL.