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American National Standards

Call for comment on proposals listed

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

Ordering Instructions for "Call-for-Comment" Listings

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

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

* Standard for consumer products

Comment Deadline: October 14, 2018

NSF (NSF International)

Revision

BSR/NSF 12-201x (i9r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2017)

This Standard contains requirements for automatic ice making equipment and devices used in the manufacturing, processing, storing, dispensing, packaging, and transportation of ice intended for human consumption.

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

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

BSR/NSF 419-201x (i6r2), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

This Standard is designed to describe the performance evaluation test procedure for the product-specific challenge testing of full-scale UF and MF membrane modules, bag filters, and cartridge filters for the removal of microbial contaminants. This Standard provides procedures to develop challenge-testing Log Removal Values (LRVC_TEST), as required in the EPA's Long-Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), published in 40 CFR 141-subpart W.

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

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 507-201x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2018)

This proposal for UL 507 covers: (1) Addition of new reference standard UL 62368-1 for Power Supplies, Battery Chargers and Communication Accessory; (2) Addition of new reference standard UL 510A for Insulating Tape; (3) Remove the reference to UL 244A and UL 873; (4) Addition of static load test for ceiling insert fans with tab mounting means; and (5) Revision of ceiling fan blade edge requirements.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

BSR/UL 778-201X, Standard for Motor-Operated Water Pumps (revision of ANSI/UL 778-2017)

(1) Add new reference standard UL 62368-1, Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements for secondary circuits; (2) Remove the UL 244A, Standard for Solid-State Controls for Appliances and UL 873, Standard for Temperature-Indicating and -Regulating Equipment references; and (3) Add the DC Test Potential of Dielectric Voltage Withstand Test in the standard.

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

Send comments (with copy to psa@ansi.org) to: Grace Roh, (919) 549-1389, Grace.Roh@ul.com

BSR/UL 8750-201X, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (Proposal dated 9-14-18) (revision of ANSI/UL 8750-2018)

This Recirculation proposal provides revisions to the UL 8750 proposal dated 2018-05-04.

[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

Comment Deadline: October 29, 2018

ADA (American Dental Association)

New National Adoption

BSR/ADA 169-201x, Periodontal Probes - General Requirements (identical national adoption of ISO 21672-1:2012)

This standard specifies general requirements and test methods for periodontal probes. It is applicable to periodontal probes made of austenitic and martensitic stainless steel.

Single copy price: \$35.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA 170-201x, Periodontal Probes - Dental Excavators - Discoid Type - General Requirements (identical national adoption of ISO 13397-4:1997)

This standard specifies the dimensions for dental excavators with discoid working ends.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA 171-201x, Analysis of Fluoride Concentration in Aqueous Solutions by Use of Fluoride Ion-Selective Electrode (identical national adoption of ISO 19448:2018)

Test methods for the quantification of fluoride concentrations in dental products including dentifrices, gels, oral rinses, fluoride-releasing varnishes, and other fluorid-containing products are specified. The methods are based on the use of fluoride ion-selective electrode technology for the analysis of fluoride in aqueous samples.

Single copy price: \$35.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA 172-201x, Minimal Dental Implant Data Set for Clinical Use (identical national adoption of ISO 16498:2013)

This standard specifies the minimal data set to be recorded for a patient receiving dental implant treatment. This will comprise the locations and types of dental implant bodies, connecting components, and adjunctive devices, including grafting materials, placed in a patient's jaw(s).

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA 173-201x, Designation System for Dental Implants (identical national adoption of ISO 19429:2015)

This standard provides a system for designating the location of an implant body within a jaw, and is intended for use with the scheme described in ISO 3950.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

BSR/ADA Standard No. 88-201x, Dental Brazing Alloys (identical national adoption of ISO 9333:2006 (R2015) and revision of ANSI/ADA Specification No 88-2000 (R2012))

This standard specifies requirements and test methods for brazing materials suitable for use in metallic dental restorations.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ADA (American Dental Association)

Withdrawal

ANSI/ADA Standard No. 1-2003 (R2013), Alloy for Dental Amalgam (withdrawal of ANSI/ADA Standard No. 1-2003 (R2013))

This standard provides the chemical compositions, properties, and conformance test methods for alloys used in the preparation of dental amalgam, which are composed primarily of silver, tin, and/or copper. When a capsule containing mercury and alloy is shaken, the mercury and alloy react to form the metal-matrix composite called dental amalgam, which is designed for use as a restorative material for decayed or eroded teeth.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ANSI/ADA Standard No. 137-2014, Essential Characteristics of Test Methods for the Evaluation of Treatment Methods Intended to Improve or Maintain the Microbiological Quality of Dental Unit Procedural Water (withdrawal of ANSI/ADA Standard No. 137-2014)

This standard provides guidelines for type test methods for evaluating the effectiveness of treatment methods intended to improve or maintain the microbiological quality of procedural water from dental units under laboratory conditions.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ANSI/ADA Standard No. 23-1982 (R2015), Dental Excavating Burs (withdrawal of ANSI/ADA Standard No. 23-1982 (R2015))

This standard specifies general requirements and test methods for dental excavating burs suitable for use with straight and angle dental handpieces.

Single copy price: \$25.00

Obtain an electronic copy from: wardm@ada.org

Order from: Marilyn Ward, (312) 440-2506, wardm@ada.org

Send comments (with copy to psa@ansi.org) to: Paul Bralower, (312) 587-4129, bralowerp@ada.org

ANS (American Nuclear Society)

Reaffirmation

BSR/ANS 8.1-2014 (R201x), Nuclear Criticality Safety in Operations with Fissionable Material Outside Reactors (reaffirmation of ANSI/ANS 8.1-2014)

This standard is applicable to operations with fissionable materials outside nuclear reactors, except for the assembly of these materials under controlled conditions, such as in critical experiments. Generalized basic criteria are presented, and limits are specified for some single fissionable units of simple shape containing ²³³U, ²³⁵U, or ²³⁹Pu, but not for multiunit arrays. Subcritical limits for certain multiunit arrays are contained in ANSI/ANS 8.7-1998 (R2012). Requirements are stated for validation of any calculational method used in assessing nuclear criticality safety.

Single copy price: \$105.00

Obtain an electronic copy from: standards@ans.org

Order from: standards@ans.org

Send comments (with copy to psa@ansi.org) to: Patricia Schroeder, (708) 579-8269, pschroeder@ans.org

APTech (ASC CGATS) (Association for Print Technologies)

Reaffirmation

BSR IT8.7/1-1993 (R201x), Graphic technology - Color transmission target for input scanner calibration (reaffirmation of ANSI IT8.7/1-1993 (R2013))

This standard defines the layout and colorimetric values of a target which can be manufactured on any positive color transparency film and which is intended for use in the calibration of a photographic film/scanner combination (as used in the preparatory process for printing and publishing).

Single copy price: \$15.00

Obtain an electronic copy from: dorf@aptech.org

Order from: Debra Orf, (703) 264-7200, dorf@aptech.org

Send comments (with copy to psa@ansi.org) to: Debra Orf, (703) 264-7200, dorf@aptech.org

BSR IT8.7/2-1993 (R201x), Graphic technology - Color reflection target for input scanner calibration (reaffirmation of ANSI IT8.7/2-1993 (R2013))

This standard defines the layout and colorimetric values of a target which can be manufactured on any color photographic paper and which is intended for use in the calibration of a photographic paper/scanner combination (as used in the preparatory process for printing and publishing).

Single copy price: \$15.00

Obtain an electronic copy from: dorf@aptech.org

Order from: Debra Orf, (703) 264-7200, dorf@aptech.org

Send comments (with copy to psa@ansi.org) to: Debra Orf, (703) 264-7200, dorf@aptech.org

BSR/CGATS ISO 12639-2004 (R201x), Graphic technology - Prepress digital data exchange - Tag image file format for image technology (TIFF/IT) (reaffirm a national adoption ANSI/CGATS ISO 12639-2004 (R2013))

This standard specifies a media-independent means for prepress electronic data exchange using a tag image file format. This standard defines image file formats for encoding color continuous-tone picture images, color line-art images, high-resolution continuous-tone images, monochrome continuous-tone picture images, binary picture images, binary line-art images, screened data, and images of composite final pages.

Single copy price: \$80.00

Obtain an electronic copy from: dorf@aptech.org

Order from: Debra Orf, (703) 264-7200, dorf@aptech.org

Send comments (with copy to psa@ansi.org) to: Debra Orf, (703) 264-7200, dorf@aptech.org

ASCE (American Society of Civil Engineers)

Reaffirmation

BSR/ASCE/EWRI 56-2011 (R201x), Guidelines for the Physical Security of Water Utilities (reaffirmation of ANSI/ASCE/EWRI 56-2011)

These water utility guidelines recommend physical and electronic security measures for physical protection systems to protect against identified adversaries, referred to as the design basis threats (DBTs), with specified motivation, tools, equipment, and weapons.

Single copy price: Free

Obtain an electronic copy from: jneckel@asce.org

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

BSR/ASCE/EWRI 56-10/57-10-2014 (R201x), Supplement No. 1 (2014) to Guidelines for the Physical Security of Water Utilities and of Wastewater/Stormwater Utilities (ANSI/ASCE/EWRI 56-10 and 57-10) (RYY) (reaffirmation of ANSI/ASCE/EWRI 56-10/57-10-2014)

These wastewater/stormwater utilities guidelines recommend physical and electronic security measures for physical protection systems to protect against identified adversaries, referred to as the design basis threats (DBTs), with specified motivation, tools, equipment, and weapons. Additional requirements and security equipment may be necessary to defend against threats with greater capabilities.

Single copy price: Free

Obtain an electronic copy from: jneckel@asce.org

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

BSR/ASCE/EWRI 57-2011 (R201x), Guidelines for the Physical Security of Wastewater/Stormwater Utilities (reaffirmation of ANSI/ASCE/EWRI 57-2011)

These wastewater/stormwater utilities guidelines recommend physical and electronic security measures for physical protection systems to protect against identified adversaries, referred to as the design basis threats (DBTs), with specified motivation, tools, equipment, and weapons. Additional requirements and security equipment may be necessary to defend against threats with greater capabilities.

Single copy price: Free

Obtain an electronic copy from: jneckel@asce.org

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

CSA (CSA Group)

Revision

BSR/CSA NGV2-201x, Compressed Natural Gas Vehicle Fuel Containers (revision of ANSI/CSA NGV2-2016)

This standard contains requirements for the material, design, manufacture, and testing of serially produced, refillable Type NGV2 containers intended only for the storage of compressed natural gas for vehicle operation. These containers are to be permanently attached to the vehicle. This standard applies to containers up to and including 1000 liters (35.4 ft³) water capacity.

Single copy price: Free

Obtain an electronic copy from: ansi.contact@csagroup.org

Order from: David Zimmerman, (216) 524-4990, david.zimmerman@csagroup.org

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

EASA (Electrical Apparatus Service Association)

Revision

BSR/EASA AR100-201x, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2015)

This document describes record-keeping, tests, analysis, and general guidelines for the repair of induction, synchronous, and direct-current rotating electrical apparatus. It is not intended to take the place of the customer's or the machine manufacturer's specific instructions or specifications or specific accepted and applicable industry standards or recommended practices.

Single copy price: \$60.00 (Non-members); \$20.00 (EASA members); Free (online download)

Obtain an electronic copy from: easainfo@easa.com

Order from: EASA Customer Service

Send comments (with copy to psa@ansi.org) to: Thomas Bishop, (314) 993-2220, tbishop@easa.com

ISA (International Society of Automation)

New National Adoption

BSR/ISA 62453-303-1 (103.00.05)-201x, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (identical national adoption of IEC 62453-303-1 and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)

This part of ISA 62453 series provides information for integrating the PROFIBUS protocol into the FDT interface specification (ISA 62453-2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Single copy price: \$400.00

Obtain an electronic copy from: rbreiner@isa.org

Order from: Rob Breiner, (919) 990-9257, rbreiner@isa.org

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

BSR/ISA 62453-303-2 (103.00.06)-201x, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (identical national adoption of IEC 62453-303-2 and revision of ANSI/ISA 62453-303-2 (103.00.06)-2011)

This part of ISA 62453 provides information for integrating the PROFINET® technology into the FDT interface (ISA 62453-2). This part of the ISA 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Single copy price: \$300.00

Obtain an electronic copy from: rbreiner@isa.org

Order from: Rob Breiner, (919) 990-9257, rbreiner@isa.org

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

ISA (International Society of Automation)

Revision

BSR/ISA 95.00.05-201x, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013)

This standard defines business-to-manufacturing transactions that may be used on the objects defined in the object models of the Part 1 and Part 2 standards in the ANSI/ISA 95 series. The transactions of required and actual manufacturing activities bind and organize the manufacturing objects and activities defined in those earlier standards.

Single copy price: \$99.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (with copy to psa@ansi.org) to: Charles Robinson, (919) 990-9213, crobinson@isa.org

NCPDP (National Council for Prescription Drug Programs)

New Standard

BSR/NCPDP PDMP Reporting Standard v10-201x, NCPDP Prescription Drug Monitoring Programs (PDMP) Reporting Standard v10 (new standard)

Report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs. This standard assists in allowing for a sustainable approach to eliminate data silos and promote interoperability by allowing actionable and timely information to prescribers and pharmacists using existing workflows to ease adoption and support patient safety efforts to curb prescription drug abuse.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

NCPDP (National Council for Prescription Drug Programs)

Revision

BSR/NCPDP Audit Transaction v34-201x, NCPDP Audit Transaction Standard v34 (revision and redesignation of ANSI/NCPDP Audit Transaction v33-2017)

The NCPDP Audit Transaction Standard Implementation Guide was developed to meet the industry needs for electronic communication for audit requests, responses, and final outcomes especially as they affect the pharmacy industry.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Benefit Integration Standard v14-201x, NCPDP Benefit Integration Standard v14 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v13-2018)

The Benefit Integration Standard Implementation Guide supports the communication of accumulator data in a standard format via transactions that are used to facilitate the delivery and receipt of this information. These transactions provide administrative efficiencies and allow for an industry standard to be used to share accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP FIR v15-201x, NCPDP Financial Information Reporting Standard v15 (revision and redesignation of ANSI/NCPDP FIR v14-2017)

Financial Information Reporting is a process whereby a patient, under one plan sponsor, has changed from one benefit plan PBM to another benefit plan PBM and point-in-time financial information is moved from the previous PBM to the new PBM. This information is necessary for the new PBM to accurately process claims and attribute plan balances and status for reporting to the plan sponsor. The implementation guide addresses the industry need to standardize the exchange of this information between plans.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP FB v52-201x, NCPDP Formulary and Benefit Standard v52 (revision and redesignation of ANSI/NCPDP FB v51-2017)

The Formulary and Benefit Standard provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP PA Transfer v23-201x, NCPDP Prior Authorization Transfer Standard v23 (revision and redesignation of ANSI/NCPDP PA Transfer v22-2017)

The NCPDP Prior Authorization Transfer Standard Implementation Guide was developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors. This standard can be used between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Post Adj v49-201x, NCPDP Post Adjudication Standard v49 (revision and redesignation of ANSI/NCPDP Post Adj v48-2018)

The goal of this implementation guide is to support the development of a common format for post-adjudicated pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the communication of patient pharmacy transaction data. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP RDS Standard v22-201x, NCPDP Retiree Drug Subsidy Standard Implementation Guide v22 (revision and redesignation of ANSI/NCPDP RDS Standard v21-2018)

The NCPDP Retiree Drug Subsidy Standard Implementation Guide assists in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity. This document pertains to subsidy data transfers from one processor/pharmacy benefit manager to another processor/pharmacy benefit manager during the middle of a subsidy plan/reporting year.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP SC WG110080201xxx-201x, NCPDP SCRIPT Standard WG110080201xxx (revision and redesignation of ANSI/NCPDP SC Standard 2018071-2018)

The SCRIPT Standard provides general guidelines for developers of pharmacy or physician management systems who wish to provide prescription transmission functionality to their clients. The standard addresses the electronic transmission of new prescriptions, prescription refill requests, prescription fill status notifications, and cancellation notifications.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Specialized Standard WG110080201xxx-201x, NCPDP Specialized Standard WG110080201xxx (revision and redesignation of ANSI/NCPDP Specialized Standard 2018071-2018)

The NCPDP Specialized Standard will house transactions that are not eprescribing but are part of the NCPDP XML environment. The standard provides general guidelines for developers of systems who wish to provide business functionality of these transactions to their clients. The guide describes a set of transactions and the implementation of these transactions.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Specialty Pharmacy Reporting v11-201x, NCPDP Specialty Pharmacy Data Reporting Standard v11 (revision and redesignation of ANSI/NCPDP Specialty Pharmacy Reporting v10-2018)

The Specialty Pharmacy Data Reporting Standard provides a uniform format for the submission of specialty pharmacy data to manufacturers which is needed to support related operations and validate contractual obligations. The implementation of this standard will increase administrative efficiencies and eliminate the need for pharmacies to create internal mapping processes to standardize unique data formats from each manufacturer.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP TC vF4-201x, NCPDP Telecommunication Standard vF4 (revision and redesignation of ANSI/NCPDP TC vF3-2018)

The standard supports the format for electronic communication of pharmacy service-related billing, prior authorization processing, and information reporting between pharmacies and other responsible parties. This standard addresses the data format and content, the transmission protocol and other appropriate telecommunication requirements.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

BSR/NCPDP Uniform Healthcare Payer Data Standard v26-201x, NCPDP Uniform Healthcare Payer Data Standard v26 (revision and redesignation of ANSI/NCPDP Uniform Healthcare Payer Data Standard v25-2018)

This implementation guide is to support the development of a common format for pharmacy claim data, which is used to meet the needs of the pharmacy industry to support the reporting requirements of claim data to states or their designees. The implementation of this standard will provide administrative efficiencies and allow for an industry standard to be used for all entities sharing historical health care data.

Single copy price: \$200.00 (non-members)

Obtain an electronic copy from: kkrempin@ncdpd.org

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

RESNET (Residential Energy Services Network, Inc.)

Addenda

BSR/RESNET/ICC 301-2014 Addendum N-201x, Normative Appendix B, Inspection Procedures for Minimum Rated Features (addenda to ANSI/RESNET/ICC 301-2014)

Revise Standard ANSI/RESNET/ICC 301-2014 to add Normative Appendix B that provides inspection procedures for minimum rated features determined when conducting energy ratings for dwelling units.

Single copy price: \$55.00

Obtain an electronic copy from: <http://www.resnet.us/blog/resnet-consensus-standards/>

Send comments (with copy to psa@ansi.org) to: <http://www.resnet.us/blog/resnet-consensus-standards/>

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 61010-2-032-2014 (R201X), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 032: Particular Requirements for Laboratory Equipment for Hand-Held and Hand-Manipulated Current Sensors for Electrical Test and Measurement (reaffirmation of ANSI/UL 61010-2-032-2014)

This part of IEC 61010 specifies safety requirements for HAND-HELD and hand-manipulated current sensors described below.

These current sensors are for measuring, detecting, or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured. They may be stand-alone current sensors or accessories to other equipment or parts of combined equipment. These include measurement circuits which are part of electrical test and measurement equipment, laboratory equipment, or process control equipment. The existence of these current sensors and circuits in equipment requires additional protective means between the current sensor, the circuit and an OPERATOR.

NOTE 1: This part includes also the requirements of Part 2-030. Testing and measuring circuits that are not within the scope of this part are considered to be covered by the requirements of Part 1 or other Part 2s of IEC 61010, and then will also need to meet the requirements of these other parts with the exception of Part 2-030. Current clamp meters and similar currents sensors that have a primary purpose of measuring voltage on a live MAINS CIRCUIT are also within the scope of Part 2-033.

NOTE 2: Some current sensors are also known as current clamps and current probes.

Current sensors require hand manipulation before or after a test or measurement, but do not necessarily need to be HAND-HELD during the test or measurement.

NOTE 3: Some current sensors designed for portable use can also be used for fixed installations.

The following types of current sensors are covered:

- a) Type A: A current sensor designed to be applied around or removed from UNINSULATED HAZARDOUS LIVE conductors. Type A current sensors have defined HAND-HELD or hand-manipulated parts providing protection against electric shock from the conductor being measured, and also have protection against short-circuits between wires and busbars during clamping.
- b) Type B: A current sensor which has protection against short-circuits between wires or busbars during clamping but without defined HAND-HELD or hand-manipulated parts which provide protection against electric shock during clamping. Additional protective means are necessary to avoid electric shock from HAZARDOUS LIVE conductors which cannot be de-energized during application or removal of the current sensor.

EXAMPLE 1: Flexible current sensors.

- c) Type C: A current sensor without protection against short-circuits between wires or busbars during clamping. Type C current sensors are intended to be applied to or removed from UNINSULATED HAZARDOUS LIVE conductors or from non-limited-energy circuit conductors only when they are de-energized.

EXAMPLE 2: Split-core transducers.

- d) Type D: A current sensor designed to be applied around or removed from insulated conductors or from limited-energy circuit conductors.

A Type D current sensor does not need protection against short-circuits during clamping and has no defined HAND-HELD or hand-manipulated parts providing protection against electric shock from the conductor being measured.

EXAMPLE 3: Current probes for oscilloscopes and earth leakage current detectors.

NOTE 4: All current sensors can also be used around insulated conductors. In this case, HAZARDS are limited to acceptable levels by the insulation of the conductors.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

BSR/UL 61010-2-033-2014 (R201X), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-033: Particular Requirements for Laboratory Equipment for Hand-Held Multimeters and Other Meters, for Domestic and Professional Use, Capable of Measuring Mains Voltage (reaffirmation of ANSI/UL 61010-2-033-2014)

This part of IEC 61010 specifies safety requirements for METERS.

The METERS that have a primary purpose of measuring voltage on a live MAINS CIRCUIT are within the scope of this standard. They have various names, but all of them have capability for measurements of voltages on a live MAINS CIRCUIT. Some of the names given to this equipment are as follows:

- MULTIMETER;
- digital MULTIMETER;
- VOLTMETER;
- clamp METER (see also Part 2-032).

For the purpose of this standard, the term METER is used for these HAND-HELD measuring instruments.

NOTE: Parts of the equipment that are not within the scope of this Part 2-033 are considered to be covered by the requirements of Part 1 or other Part 2s of IEC 61010 and then will also need to meet the requirements of these other parts.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

BSR/UL 61010-2-091-2014 (R201X), Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-091: Particular Requirements for Laboratory Equipment for Cabinet X-Ray Systems (reaffirmation of ANSI/UL 61010-2-091-2014)

This part of IEC 61010 specifies requirements for the design and methods of construction of CABINET X-RAY SYSTEMS to provide adequate protection for OPERATORS, bystanders, trained service personnel, and the surrounding area against unintentionally emitted X-radiation and from mechanical HAZARDS related to their conveyors.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Vickie Hinton, (919) 549-1851, Vickie.T.Hinton@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 1241-201x, Standard for Safety for Junction Boxes for Swimming Pool Luminaires (revision of ANSI/UL 1241-2013)

This proposal for UL 1241 covers: (1) Reaffirmation and continuance of the 7th Edition of the Standard for Junction Boxes for Swimming Pool Luminaires, UL 1241, as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Wilbert Fletcher, (919) 954-9133, Wilbert.fletcher@ul.com

Comment Deadline: November 13, 2018

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ANS (American Nuclear Society)

Revision

BSR/ANS 16.1-201x, Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Test Procedure (revision of ANSI/ANS 16.1-2003 (R2017))

This standard provides a procedure to measure and index the release rates of non-volatile radionuclides from waste forms in demineralized water over a five-day test period. It can be applied to any material from which test specimens can be prepared by casting or cutting into a shape for which the surface area and volume can be determined. The results of this procedure do not represent waste form degradation in any specific environmental situation. The test presented in this ANS 16.1 standard is an adaptation of the provisions published in the original version of this standard in 1986.

Single copy price: \$149.00

Obtain an electronic copy from: standards@ans.org

Order from: standards@ans.org

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

Call for Members (ANS Consensus Bodies)

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

AMCA (Air Movement and Control Association)

Office: 30 West University Drive
Arlington Heights, IL 60004-1893

Contact: Erin Moore

Phone: (847) 704-6285

E-mail: emoore@amca.org

BSR/AMCA Standard 260-201x, Laboratory Methods of Testing Induced Flow Fans for Rating (revision and redesignation of ANSI/AMCA 260-2013)

PCI (Precast/Prestressed Concrete Institute)

Office: 200 West Adams Street, Suite 2100
Chicago, IL 60606-5230

Contact: Edith Smith

Phone: (312) 360-3219

E-mail: esmith@pci.org

BSR/PCI 142-201X, Code Requirements for Prestressed Concrete Piles (new standard)

ISA (International Society of Automation)

Office: 67 Alexander Drive
Research Triangle Park, NC 27709

Contact: Charles Robinson

Phone: (919) 990-9213

E-mail: crobinson@isa.org

BSR/ISA 95.00.05-201x, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013)

BSR/ISA 62453-303-1 (103.00.05)-201x, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (identical national adoption of IEC 62453-303-1 and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)

BSR/ISA 62453-303-2 (103.00.06)-201x, Field device tool (FDT) interface specification - Part 303-2: Communication profile integration - IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (identical national adoption of IEC 62453-303-2 and revision of ANSI/ISA 62453-303-2 (103.00.06)-2011)

NSF (NSF International)

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

Contact: Allan Rose

Phone: (734) 827-3817

E-mail: arose@nsf.org

BSR/NSF 12-201x (i9r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2017)

BSR/NSF 419-201x (i6r2), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015)

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

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

- General Interest
- Government
- Producer
- User

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

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

AAMI (Association for the Advancement of Medical Instrumentation)

Reaffirmation

ANSI/AAMI ST24-1999 (R2018), Automatic, general-purpose ethylene oxide sterilizers and ethylene oxide sterilant sources intended for use in health care facilities (reaffirmation of ANSI/AAMI ST24-1999 (R2013)): 9/6/2018

ANSI/AAMI ST58-2013 (R2018), Chemical sterilization and high-level disinfection in health care facilities (reaffirmation of ANSI/AAMI ST58-2013): 9/6/2018

ANSI/AAMI ST65-2008 (R2018), Processing of reusable surgical textiles for use in health care facilities (reaffirmation of ANSI/AAMI ST65-2008 (R2013)): 9/6/2018

ANSI/AAMI ST77-2013 (R2018), Containment devices for reusable medical device sterilization (reaffirmation of ANSI/AAMI ST77-2013): 9/6/2018

ASABE (American Society of Agricultural and Biological Engineers)

Revision

ANSI/ASAE S354.7-SEP2018, Safety for Farmstead Equipment (revision and redesignation of ANSI/ASAE S354.6-NOV2016): 9/6/2018

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME B1.20.3-1976 (R2018), Dryseal Pipe Threads (Inch) (reaffirmation of ANSI/ASME B1.20.3-1976 (R2013)): 9/6/2018

Revision

ANSI/ASME B16.51-2018, Copper and Copper Alloy Press-Connect Pressure Fittings (revision of ANSI/ASME B16.51-2013): 9/6/2018

ANSI/ASME B36.10M-2018, Welded and Seamless Wrought Steel Pipe (revision of ANSI/ASME B36.10M-2015): 9/6/2018

HL7 (Health Level Seven)

New Standard

ANSI/HL7 vMR CDSLM, R2-2018, HL7 Virtual Medical Record for Clinical Decision Support (vMR-CDS) Logical Models, Release 2 (new standard): 9/6/2018

Revision

ANSI/HL7 V3 DSS, R2-2018, HL7 Version 3 Standard: Decision Support Services, Release 2 (revision and redesignation of ANSI/HL7 V3 DSS, R1-2011): 9/6/2018

IES (Illuminating Engineering Society)

New Standard

ANSI/IES LM-88-2018, Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (new standard): 9/6/2018

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

New National Adoption

INCITS/ISO/IEC 20000-2:2012 [2018], Information technology - Service management - Part 2: Guidance on the application of service management systems (identical national adoption of ISO/IEC 20000-2:2012): 9/6/2018

INCITS/ISO/IEC 20000-3:2012 [2018], Information technology - Service management - Part 3: Guidance on scope definition and applicability of ISO/IEC 20000-1 (identical national adoption of ISO/IEC 20000-3:2012): 9/6/2018

INCITS/ISO/IEC 30105-1:2016 [2018], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 1: Process reference model (PRM) (identical national adoption of ISO/IEC 30105-1:2016): 9/6/2018

INCITS/ISO/IEC 30105-2:2016 [2018], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 2: Process assessment model (PAM) (identical national adoption of ISO/IEC 30105-2:2016): 9/6/2018

INCITS/ISO/IEC 30105-4:2016 [2018], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 4: Terms and concepts (identical national adoption of ISO/IEC 30105-4:2016): 9/6/2018

INCITS/ISO/IEC 30105-5:2016 [2018], Information technology - IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes - Part 5: Guidelines (identical national adoption of ISO/IEC 30105-5:2016): 9/6/2018

New Standard

INCITS 525-2018, Information technology - Next Generation Access Control - Implementation Requirements, Protocols and API Definitions (NGAC-IRPADS) (new standard): 9/6/2018

MHI (ASC MHC) (Material Handling Industry)

Reaffirmation

ANSI MH10.8.12-2011 (R2018), Standard for Material Handling - Component Marking (reaffirmation of ANSI MH10.8.12-2011): 9/6/2018

ANSI MH10.8.15-2018 (R2018), Material Handling - Specification for XML Reader Output from ISO/IEC 15434-formatted AIDC Data (reaffirmation of ANSI MH10.8.15-2011): 9/6/2018

NEMA (ASC C8) (National Electrical Manufacturers Association)

Reaffirmation

ANSI/ICEA P-79-561-2008 (R2018), Guide for Selecting Aerial Cable Messengers and Lashing Wires (reaffirmation of ANSI/ICEA P-79-561-2008 (R2013)): 9/6/2018

NSF (NSF International)

Revision

ANSI/NSF 14-2018 (i97r2), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017): 8/31/2018

ANSI/NSF 14-2018 (i97r3), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2017): 8/31/2018

ANSI/NSF 49-2018 (i118r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 9/2/2018

* ANSI/NSF 419-2018 (i3r1), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419-2015): 8/31/2018

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 1369-2018, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard): 8/30/2018

ANSI/UL 1369-2018a, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard): 8/30/2018

ANSI/UL 5500-2018, Standard for Safety for Remote Software Updates (new standard): 9/6/2018

Reaffirmation

ANSI/UL 38-2005 (R2018), Standard for Safety for Manual Signaling Boxes for Fire Alarm Systems (reaffirmation of ANSI/UL 38-2005 (R2013)): 9/4/2018

ANSI/UL 681-2014 (R2018), Standard for Safety for Installation and Classification of Burglar and Holdup Alarm Systems (reaffirmation of ANSI/UL 681-2014): 9/4/2018

Revision

ANSI/UL 563-2018, Standard for Ice Makers (revision of ANSI/UL 563-2017): 8/30/2018

ANSI/UL 563-2018a, Standard for Ice Makers (revision of ANSI/UL 563-2017): 8/30/2018

ANSI/UL 789-2018, Standard for Safety for Indicator Posts for Fire-Protection Service (revision of ANSI/UL 789-2003 (R2017)): 9/4/2018

ANSI/UL 789-2018a, Standard for Safety for Indicator Posts for Fire-Protection Service (revision of ANSI/UL 789-2003 (R2017)): 9/4/2018

ANSI/UL 1889-2018, Standard for Safety for Commercial Filters for Cooking Oil (revision of ANSI/UL 1889-2009 (R2013)): 9/4/2018

ANSI/UL 2034-2018, Standard for Safety for Single- and Multiple-Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2017d): 9/4/2018

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. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: [List of Approved and Proposed ANS](#)

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)

Contact: Sara Moulton, (410) 990-4460, smoulton@abycinc.org
613 Third Street, Suite 10, Annapolis, MD 21403

New Standard

BSR/ABYC A-07-201x, Liquid and Solid Fueled Boat Heating Systems (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, construction, and installation of permanently installed boat accommodation space heating units and systems.

This standard applies to permanently installed boat accommodation space heating units and systems using only liquid or solid fuels.

BSR/ABYC C-1500-201x, Ignition Protection for Marine Products (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is intended for the qualification of ignition sources including electrical devices for ignition protection for use onboard boats.

This standard applies to the basic test methods for determining ignition protection and is not to be considered a standard that will determine the acceptability of a product or component for use in marine service.

BSR/ABYC H-03-201x, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, construction and installation of exterior windows, windshields, hatches, port lights, doors, and all glazing materials on boats.

This standard applies to exterior windows, windshields, hatches, doors, port lights, and glazing materials for all boats.

BSR/ABYC H-23-201x, Water Systems for Use on Boats (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard establishes a guide for the design, construction, and installation of potable water supply systems on boats and identification of non-potable water systems.

This standard applies to all boats equipped with potable and non-potable water supply systems.

BSR/ABYC H-27-201x, Seacocks, Thru-Hull Fittings, and Drain Plugs (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the selection of materials, design, construction, and installation of seacocks, thru-hull fittings, drain plugs, and other fittings that penetrate the hull at or below the maximum-heel waterline.

This standard concerns seacocks, thru-hull fittings, drain plugs, and other fittings that penetrate the hull and applies to all boats.

BSR/ABYC H-40-201x, Anchoring, Mooring, and Strong Points (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, construction, selection, and installation of fittings and equipment for anchoring, mooring, docking, lifting, towing and trailering of boats.

This standard applies to fittings and equipment that are attached to or carried on boats for anchoring, mooring, docking, lifting, towing, and trailering of all boats.

BSR/ABYC H-41-201x, Reboarding Means, Ladders, Handholds, Rails, and Lifelines (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, construction, and installation of reboarding means, ladders, handhold devices, grab rails, rails, lifelines, and slip-resistant surfaces.

This standard applies to reboarding means, ladders, handhold devices, grab rails, rails, lifelines, and slip-resistant surfaces for all boats.

BSR/ABYC P-01-201x, Installation of Exhaust Systems for Propulsion and Auxiliary Engines (new standard)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.

Project Need: This standard is a guide for the design, installation, and selection of materials for exhaust systems for marine engines.

This standard applies to the exhaust systems of all boats equipped with inboard or sterndrive engines, or permanently installed auxiliary engines, from the exhaust outlet of the engine or the turbocharger, if used, through the terminus where the exhaust gases are discharged.

ACI (American Concrete Institute)

Contact: Shannon Banchemo, (248) 848-3728, shannon.banchemo@concrete.org
38800 Country Club Drive, Farmington Hills, MI 48331

New Standard**BSR/ACI 318-201x, Building Code Requirements for Structural Concrete and Commentary (new standard)**

Stakeholders: Structural engineers, contractors, inspectors, testing agencies, building code officials, architect, licensed design professionals.

Project Need: ACI 318 has been the standard for structural concrete since 1906. It is maintained through the consensus process.

The "Building Code Requirements for Structural Concrete" ("Code") provides minimum requirements for the materials, design, and detailing of structural concrete buildings and, where applicable, non-building structures. This Code addresses structural systems, members, and connections, including cast-in-place, precast, plain, nonprestressed, prestressed, and composite construction. Among the subjects covered are: design and construction for strength, serviceability, and durability; load combinations, load factors, and strength reduction factors; structural analysis methods; deflection limits; mechanical and adhesive anchoring to concrete; development and splicing of reinforcement; construction document information; field inspection and testing; and methods to evaluate the strength of existing structures.

ADA (American Dental Association)

Contact: Paul Bralower, (312) 587-4129, bralowerp@ada.org
211 East Chicago Avenue, Chicago, IL 60611-2678

New National Adoption**BSR/ADA 35-201x, Dental Handpieces and Motors (identical national adoption of ISO 14457:2017)**

Stakeholders: Dentists, manufacturers.

Project Need: There is not currently a US national standard for dental handpieces. The ISO working group, with the involvement of the U.S., developed the new ISO 14457 Handpieces and motors, published in 2017. It is a significant improvement and expansion on the previous version. This adoption would replace previous efforts to adopt the 2012 version of ISO 14457, which is now obsolete.

This standard specifies requirements and test methods for handpieces and motors used in dentistry for treatment of patients and having patient contact regardless of their construction. It also specifies requirements for manufacturer's information, marking, and packaging.

BSR/ADA 174-201x, Hose Connectors for Air-Driven Dental Handpieces (national adoption with modifications of ISO 9168:2009)

Stakeholders: Dentists, manufacturers.

Project Need: There is a need for a U.S. standard covering hose connectors for air-driven dental handpieces, which are widely utilized in the United States.

This standard assists in the achievement of interoperability between hoses from dental units and handpieces. It specifies four hose connector types for use between air-driven handpieces and the flexible hoses of the dental unit that supply the handpieces with water, air, and light.

BSR/ADA 178-201x, Orthodontic Anchor Screws (identical national adoption of ISO 19023:2018)

Stakeholders: Dentists, manufacturers

Project Need: A U.S. standard is needed for orthodontic anchor screws, which are used to provide temporary intraoral skeletal anchorage during orthodontic treatment and are removed at the end of the orthodontic treatment.

This document specifies requirements and test methods for orthodontic anchor screws used in orthodontic treatment. This document gives details of methods to compare physical and mechanical properties of orthodontic anchor screws together with test methods and packaging and labeling information.

New Standard

BSR/ADA 176-201x, Test Methods for Measuring Machining Accuracy of Computer-Aided Milling Machines in Dentistry (new standard)

Stakeholders: Dentists, manufacturers

Project Need: Dental milling machine operators do not have the capability to select CAM software and develop their own milling templates. This standard is appropriate to measure the milling machine and supplied CAM software combination, as it will be more reflective of the accuracy of the system for its intended purpose in the dental industry.

This standard specifies the test methodology to evaluate the accuracy of indirect dental restorations fabricated by computer-aided milling machines as part of dental CAD/CAM systems, which fabricate dental restorations, e.g., crowns and bridges.

BSR/ADA 1077-201x, Dental Biometric Descriptors (new standard)

Stakeholders: Forensic dentist, law enforcement, military, homeland security, and other governmental agencies.

Project Need: This standard will provide ADA expertise on dental forensics for submission to the ANSI/NIST ITL forensics standard.

This will be a multi-part standard addressing biometric data concerning oral and perioral-related characteristics. Part 1 will cover images of pattern injuries on an individual of possible intraoral origin. Part 2 will cover latent images of possible perioral origin. Part 3 will cover palatine descriptors. Part 4 will cover radiographic dental age determination.

BSR/ADA 1084-201x, Reference Core Data Set for Communication among Dental and Other Health Information Systems (new standard)

Stakeholders: Dental information system developers, dentists.

Project Need: Dental information system developers need a set of standard reference digital patient data elements for interoperable messaging between dental information systems and other health information systems to coordinate patient care among multiple providers.

This standard provides a set of digital dental patient data elements to be used to populate CCR-dental messages between disparate dental and medical information systems.

BSR/ADA 1094-201x, Quality Assurance for Digital Intra-Oral Radiographic Systems (new standard)

Stakeholders: Dentists, manufacturers, regulatory agencies.

Project Need: This standard will assist dentists in the production of x-ray images with the maximum amount of diagnostic information with minimal radiation exposure to the patient.

This standard will provide clear and consistent protocols for imaging, exposure, and calibration of digital intra-oral radiography systems.

BSR/ADA 1098-201x, Quality Assurance for Cone Beam Computed Tomography (CBCT) (new standard)

Stakeholders: Dentists, manufacturers, regulatory agencies.

Project Need: This standard will assist dentists in the production of x-ray images with the maximum amount of diagnostic information with minimal radiation exposure to the patient.

This standard will provide clear and consistent protocols for imaging, exposure, and calibration of cone beam computed tomography (CBCT) systems.

BSR/ADA 1099-201x, Quality Assurance for Digital Panoramic/Cephalometric Radiography (new standard)

Stakeholders: Dentists, manufacturers, regulatory agencies.

Project Need: This standard will assist dentists in the production of x-ray images with the maximum amount of diagnostic information with minimal radiation exposure to the patient.

This standard will provide clear and consistent protocols for imaging, exposure and calibration of digital panoramic/cephalometric radiography systems.

AMCA (Air Movement and Control Association)

Contact: Erin Moore, (847) 704-6285, emoore@amca.org
30 West University Drive, Arlington Heights, IL 60004-1893

Revision

BSR/AMCA Standard 260-201x, Laboratory Methods of Testing Induced Flow Fans for Rating (revision and redesignation of ANSI/AMCA 260-2013)

Stakeholders: Manufacturers, building engineers, fan testing labs, acoustic engineers (for fans/sound), product consumers, regulatory bodies, and the like.

Project Need: This project is needed to complete the review of the Standard in accordance with our procedures. We must review a project every 5 years.

The purpose of this standard is to establish a uniform laboratory method for determining an induced flow fan's aerodynamic performance in terms of airflow rate, pressure developed, power consumption, air density, speed of rotation, and efficiency.

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Jean Walsh, (269) 932-7027, walsh@asabe.org
2950 Niles Road, Saint Joseph, MI 49085

New Standard

BSR/ASABE S631 MONYEAR-201x, Machine Vision Method of Forage or Biomass Particle Size and Size Distribution (new standard)

Stakeholders: Industries, producers, field agents, quality control technicians, scientists, and academicians.

Project Need: Dimension measurement of agricultural produce and products play a vital role in quality control, grading, and characterization. Dimension measurements are an additional quantitative measure of product quality. These measurements will be helpful in size-based grading from a sample, thereby the quality of the produce.

This standard establishes an alternative methodology using images of samples and image-processing methods to determine the size (length and width), projected area, and particle size distribution of any particulate material, such as size reduced food, feed, and biomass. The standard also defines a method of expressing the particle length of the material. The methodology is equally applicable to other particulate materials, such as seeds, grains, fertilizers, soils, and minerals. The determined particle-size distribution parameters can be used to evaluate forage harvesting machine and handling equipment variables and to define forage physical length in animal feeding trials.

PCI (Precast/Prestressed Concrete Institute)

Contact: Edith Smith, (312) 360-3219, esmith@pci.org
200 West Adams Street, Suite 2100, Chicago, IL 60606-5230

New Standard

BSR/PCI 142-201X, Code Requirements for Prestressed Concrete Piles (new standard)

Stakeholders: Precast concrete Industry, design professionals, construction specifiers.

Project Need: The PCI publication will be revised as a new American National Standard.

The information in this standard is intended to provide minimum requirements for the design and construction of prestressed concrete piles used to support most types of structural systems. Although the vast majority of applications are expected to be building, bridge, or pier/wharf related, the standard can be applied to other structures such as tanks and floating structures (e.g., floating dock systems) supported by piles.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

Revision

BSR/SCTE 48-3-201x, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell (revision of ANSI/SCTE 48-3-2017)

Stakeholders: Cable Telecommunications industry.

Project Need: Update Current Technology.

This document details the procedure for measuring the Shielding Effectiveness (S.E.) of coaxial cable and connectors using the Gigahertz Transverse ElectroMagnetic (GTEM) cell. More particularly, this procedure applies to measuring the S.E. of 75-Ohm braided coaxial drop cables and connectors presently used within the broadband communications industry. S.E. measurements can be performed with or without the affixing coaxial connectors removed from the measurement.

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)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC-AGRSS (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NAHBRC (NAHB Research Center, Inc.)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- 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) 253-8284 Web: www.aami.org	APTech (ASC CGATS) Association for Print Technologies 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Web: www.printtechnologies.org	HL7 Health Level Seven 3300 Washtenaw Avenue Suite 227 Ann Arbor, MI 48104 Phone: (734) 677-7777 Web: www.hl7.org	NEMA (ASC C8) National Electrical Manufacturers Association 1300 North 17th Street Rosslyn, VA 22209 Phone: (703) 841-3278 Web: www.nema.org
ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org	ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7027 Web: www.asabe.org	IES Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 Phone: (917) 913-0027 Web: www.ies.org	NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 827-3817 Web: www.nsf.org
ACI American Concrete Institute 38800 Country Club Drive Farmington Hills, MI 48331 Phone: (248) 848-3728 Web: www.concrete.org	ASCE American Society of Civil Engineers 1801 Alexander Bell Dr Reston, VA 20191 Phone: 703-295-6176 Web: www.asce.org	ISA (Organization) International Society of Automation 67 Alexander Drive P O Box 12277 Research Triangle Pk, NC 27709 Phone: (919) 990-9257 Web: www.isa.org	PCI Precast/Prestressed Concrete Institute 200 West Adams Street, Suite 2100 Chicago, IL 60606-5230 Phone: (312) 360-3219 Web: www.pci.org
ADA (Organization) American Dental Association 211 East Chicago Avenue Chicago, IL 60611-2678 Phone: (312) 587-4129 Web: www.ada.org	ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Web: www.asme.org	ITI (INCITS) InterNational Committee for Information Technology Standards 1101 K Street NW Suite 610 Washington, DC 20005-3922 Phone: (202) 737-8888 Web: www.incits.org	RESNET Residential Energy Services Network, Inc. 4867 Patina Court Oceanside, CA 92057 Phone: (760) 408-5860 Web: www.resnet.us.com
AMCA Air Movement and Control Association 30 West University Drive Arlington Heights, IL 60004-1893 Phone: (847) 704-6285 Web: www.amca.org	CSA CSA Group 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: www.csagroup.org	MHI (ASC MHC) Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Web: www.mhi.org	SCTE Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Web: www.scte.org
ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Web: www.ans.org	EASA Electrical Apparatus Service Association 1331 Baur Blvd. St. Louis, MO 63132 Phone: (314) 993-2220	NCPDP National Council for Prescription Drug Programs 9240 East Raintree Drive Scottsdale, AZ 85260 Phone: (480) 477-1000 xt134 Web: www.ncdpd.org	UL Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709 -3995 Phone: (919) 549-1851 Web: www.ul.com

ExSC_115_2018September 14, 2018 *ANSI Standards Action*

Proposed Revision to the *ANSI Essential Requirements*
(www.ansi.org/essentialrequirements)

Section 4.3 Planning, coordination and public notice

The revision presented below to section 4.3 of the *ANSI Essential Requirements* (www.ansi.org/essentialrequirements) is proposed to avoid confusion and recognize the current procedures applicable to the handling of claims of conflict and duplication within the American National Standards (ANS) process. The PINS notification and deliberation process is the primary mechanism by which claims of conflict and duplication are vetted within the ANS process, in addition to the opportunity for stakeholders to address such claims through public comment, voting and appeals processes. The ExSC relies on *ANSI Standards Action* and other public notices and outreach to make stakeholders aware of proposed standards development activities.

Public comments received in connection with this proposed revision will be made available to the public, with attribution, in the [ANSI Online public library](#) one week after the close of the public comment deadline. The ANSI ExSC will consider the comments received and provide a written response to commenters.

Public Comments are due to psa@ansi.org by October 15, 2018.

4.3 Planning, coordination and public notice

ANSI's planning and coordinating activities depend on the cooperation and participation of standards developers and affected interests. Various methods are used to plan and coordinate voluntary standards activities. A considerable amount of planning and coordinating activity routinely takes place at the standards development level by the standards writing consensus bodies or their subgroups. Specific coordination requirements are set forth in other sections of this document.

Overall responsibility for ANSI's national and international planning and coordinating functions is assigned by the Board of Directors to the Executive Standards Council (ExSC). The ExSC delegates specific activities as opportunity and needs arise, appointing designees or standards advisors, as appropriate.

Coordination usually can be accomplished by standards developers through the implementation of one or more of the following:

- a) clear delineation of scope, purpose, and intended application of each standard;
- b) public notice of standardization activities;
- c) joint and cooperative activities of the individual organizations, including liaison representation;

- d) organization of an independent but representative body acceptable to the involved parties to coordinate standards needs and projects and to develop standards as required;
- e) liaison between national standards developers and the organization responsible for the U.S. position on corresponding international standards; and
- f) use of the ANSI PINS system, including the PINS Deliberation process.

To achieve a consistent set of American National Standards and to represent the United States in non-treaty international standards activities, it is important that necessary for ANSI continue to promote the to-harmonization of ongoing standards activity, minimize duplication, and avoid the promulgation of conflicting American National Standards.

~~The ExSC and/or its designee shall be alert to duplication of national standards activities. The ExSC or its designee shall notify standards developers of any identified potential or existing duplication of standards developing activities and request the standards developers involved to coordinate their activities and report the results.~~

~~Potential or existing conflicts identified or brought to the attention of the ExSC or its designee shall be investigated and harmonization initiated, if warranted. This process usually consists of:~~

- ~~a) appointing an ad hoc group to investigate and report whether harmonization is necessary. The ad hoc group reports on the purpose and application of the standards as well as the structure and issues that led to the conflict;~~
- ~~b) inviting the organizations involved to develop a harmonization plan, if it is determined that harmonization is necessary. The plan may include liaisons, joint consensus bodies, ad hoc groups, or other activities;~~
- ~~c) publishing the results of harmonization efforts in *Standards Action* or elsewhere, as appropriate.~~



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); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

Ordering Instructions

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

ISO Standards

ADDITIVE MANUFACTURING (TC 261)

ISO/ASTM DIS 52903-2, Additive manufacturing - Standard specification for material extrusion based additive manufacturing of plastic materials - Part 2: Process - Equipment - 10/1/2018, \$40.00

AIR QUALITY (TC 146)

ISO/DIS 12219-9, Interior air of road vehicles - Part 9: Determination of the emissions of volatile organic compounds from vehicle interior parts - Large bag method - 9/30/2018, \$71.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 7313, Aircraft - High temperature convoluted hose assemblies in polytetrafluoroethylene (PTFE) - 12/25/2030, \$62.00

BUILDING CONSTRUCTION (TC 59)

ISO/DIS 16938-1, Buildings and civil engineering works - Determination of the staining of porous substrates by sealants used in joints - Part 1: Test with compression - 10/1/2018, \$46.00

ISO/DIS 16938-2, Buildings and civil engineering works - Determination of the staining of porous substrates by sealants used in joints - Part 2: Test without compression - 10/1/2018, \$46.00

ISO/DIS 21597-1, Information container for data drop - Exchange specification - Part 1: Container - 10/1/2018, \$125.00

ISO/DIS 21597-2, Information container for data drop - Exchange specification - Part 2: Dynamic semantics - 10/1/2018, \$134.00

COMPRESSORS, PNEUMATIC TOOLS AND PNEUMATIC MACHINES (TC 118)

ISO 28927-8/DAmD2, Hand-held portable power tools - Test methods for evaluation of vibration emission - Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action - Amendment 2 - 10/1/2018, \$33.00

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

ISO/DIS 21914, Test methods for fibre-reinforced cementitious composites - Bending moment-curvature curve by four-point bending test - 11/22/2018, \$53.00

ISO/DIS 13315-6, Environmental management for concrete and concrete structures - Part 6: Use of concrete structures - 11/24/2018, \$88.00

CRYOGENIC VESSELS (TC 220)

ISO 21013-4/DAmD1, Cryogenic vessels - Pilot operated pressure relief devices - Part 4: Pressure-relief accessories for cryogenic service - Amendment 1 - 9/29/2018, \$29.00

EARTH-MOVING MACHINERY (TC 127)

ISO/DIS 17757, Earth-moving machinery and mining - Autonomous and semi-autonomous machine system safety - 12/2/2018, \$119.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 5783, Hydraulic fluid power - Code for identification of valve mounting surfaces and cartridge valve cavities - 9/28/2018, \$33.00

ISO/DIS 10094-1, Pneumatic fluid power - Electro-pneumatic pressure control valves - Part 1: Main characteristics to include in the suppliers literature - 11/22/2018, \$67.00

INDUSTRIAL TRUCKS (TC 110)

ISO 3691-1/DAmD2, Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks - Amendment 2 - 10/1/2018, \$33.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 21110, Information and documentation - Emergency preparedness and response - 9/29/2018, \$125.00

MACHINE TOOLS (TC 39)

ISO/DIS 19085-16, Woodworking machines - Safety - Part 16: Table band saws and band re-saws - 9/28/2018, \$107.00

MECHANICAL VIBRATION AND SHOCK (TC 108)

ISO/DIS 16063-34, Methods for the calibration of vibration and shock transducers - Part 34: Testing of sensitivity at fixed temperatures - 11/24/2018, \$53.00

NANOTECHNOLOGIES (TC 229)

ISO/DIS 21363, Nanotechnologies - Measurements of particle size and shape distributions by transmission electron microscopy - 9/28/2018, \$146.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 8769, Reference sources - Calibration of surface contamination monitors - Alpha-, beta- and photon emitters - 9/29/2018, \$62.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 6521-1, Lubricants, industrial oils and related products (Class L) - Family D (compressors) - Part 1: Specifications of categories DAA and DAB (lubricants for reciprocating and drip feed rotary air compressors) - 11/26/2018, \$40.00

ISO/DIS 6521-3, Lubricants, industrial oils and related products (Class L) - Family D (compressors) - Part 3: Specifications of categories DRA, DRB, DRC, DRD, DRE, DRF and DRG (lubricants for refrigerating compressors) - 11/26/2018, \$62.00

PHOTOGRAPHY (TC 42)

ISO/DIS 18949, Imaging materials - Reflection colour photographic prints - Method for testing stability under low humidity conditions - 9/29/2018, \$53.00

REFRIGERATION (TC 86)

ISO/DIS 22712, Refrigerating systems and heat pumps - Competence of personnel - 9/27/2018, \$119.00

ROAD VEHICLES (TC 22)

ISO/DIS 22565, Road vehicles - Durability test method of starter relay for stop and start system - 11/25/2018, \$46.00

ISO/DIS 17987-8, Road vehicles - Local interconnect network (LIN) - Part 8: Electrical physical layer (EPL) specification: LIN over DC powerline (DC-LIN) - 10/1/2018, \$134.00

ISO/DIS 19072-2, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 2: Test methods and general performance requirements - 11/23/2018, \$77.00

ROLLING BEARINGS (TC 4)

ISO/DIS 12297-1, Rolling bearings - Cylindrical rollers - Part 1: Boundary dimensions, geometrical product specifications (GPS) and tolerance values for steel rollers - 10/1/2018, \$62.00

TEXTILES (TC 38)

ISO/DIS 2307, Fibre ropes - Determination of certain physical and mechanical properties - 9/28/2018, \$93.00

THERMAL INSULATION (TC 163)

ISO/DIS 17738-3, Thermal insulation products - Exterior insulation and finish systems - Part 3: Design requirements - 11/23/2018, \$62.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 13772/DAMd1, Forestry machinery - Portable chain-saws - Non-manually actuated chain brake performance - Amendment 1 - 9/28/2018, \$29.00

ISO/DIS 11783-5, Tractors and machinery for agriculture and forestry - Serial control and communications data network - Part 5: Network management - 10/1/2018, \$98.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 26683-3, Intelligent transport systems - Freight land conveyance content identification and communication - Part 3: Monitoring cargo condition information during transport - 10/1/2018, \$93.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 25030, Systems and software engineering - Systems and software quality requirements and evaluation (SQuaRE) - Quality requirements framework - 11/23/2018, \$112.00

ISO/IEC DIS 30111, Information technology - Security techniques - Vulnerability handling processes - 11/24/2018, \$62.00

ISO/IEC DIS 19757-3, Information technology - Document Schema Definition Languages (DSDL) - Part 3: Rule-based validation - Schematron - 11/22/2018, \$112.00

ISO/IEC DIS 30134-6, Information technology - Data centres - Key performance indicators - Part 6: Energy Reuse Factor (ERF) - 11/23/2018, \$53.00

ISO/IEC/IEEE DIS 21841, Systems and software engineering - Taxonomy of systems of systems - 11/23/2018, \$58.00

IEC Standards

3D/317/CDV, IEC 62656-8 ED1: Standardized product ontology register and transfer by data parcels - Part 8: Web service interface for data parcels, /2018/11/3

3D/318/DC, IEC Common Data Dictionary (IEC CDD): C00077, Life expectancy, 2018/11/2

9/2439/CDV, IEC 63076 ED1: Railway applications - Rolling stock - Electric equipment in trolley buses - Safety requirements and current collection systems, /2018/11/3

23/792/CDV, IEC 61535 ED2: Installation couplers intended for permanent connection in fixed installations, /2018/11/3

26/664/CDV, IEC 60974-10 ED4: Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements, /2018/11/3

34A/2113/NP, PNW 34A-2113: LED Light sources - Safety requirements, 2018/10/5

34A/2105/CDV, IEC 60809/AMD3 ED3: Lamps for road vehicles - Dimensional, electrical and luminous requirements, /2018/11/3

34A/2114/NP, PNW 34A-2114: LED Light sources - Performance requirements, 2018/10/5

34A/2106/CDV, IEC 60810/AMD1 ED5: Lamps, light sources and LED packages for road vehicles - Performance requirements, /2018/11/3

45A/1225/CD, IEC/IEEE 60980-344 ED1: Nuclear facilities - Equipment important to safety - Seismic qualification, 2018/11/2

45A/1226/DTR, IEC TR 63214 ED1: Nuclear Power Plants - Control rooms - Human Factor Engineering, 2018/11/2

46A/1368/CD, IEC 61196-1-119 ED2: Coaxial communication cables - Part 1-119: Electrical test methods - RF power rating, /2018/11/3

48B/2686A/NP, PNW 48B-2686: Connectors for electrical and electronic equipment - Product Requirements - Part 2-126: Circular connectors - Detail specification for M12 inner push-pull connectors for power and data transmission up to 500 MHz, /2018/11/1

55/1689/CDV, IEC 60317-20/AMD1 ED3: Specifications for particular types of winding wires - Part 20: Solderable polyurethane enamelled round copper wire, class 155, /2018/11/3

55/1690/CDV, IEC 60317-21/AMD1 ED3: Specifications for particular types of winding wires - Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155, /2018/11/3

55/1691/CDV, IEC 60317-35/AMD1 ED2: Specifications for particular types of winding wires - Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer, /2018/11/3

55/1692/CDV, IEC 60317-36/AMD1 ED2: Specifications for particular types of winding wires - Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer, /2018/11/3

55/1693/CDV, IEC 60317-55/AMD1 ED2: Specifications for particular types of winding wires - Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 180, /2018/11/3

55/1694/CDV, IEC 60317-68/AMD1 ED1: Specifications for particular types of winding wires - Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120, /2018/11/3

64/2306/CDV, IEC 60364-7-706/AMD1 ED2: Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement, /2018/11/3

- 64/2305/CDV, IEC 60364-7-701 ED3: Low-voltage electrical installations - Part 7-701: Requirements for special installations or locations - Locations containing a bath or shower, /2018/11/3
- 69/621/CDV, ISO 15118-2 ED2: Road vehicles - Vehicle to grid communication interface - Part 2: Network and application protocol requirements, /2018/11/3
- 86A/1884/FDIS, IEC 60793-2-50 ED6: Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres, /2018/10/1
- 89/1436/CD, IEC 60695-2-10 ED3: Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure, 2018/11/2
- 89/1438/CD, IEC 60695-2-13 ED3: Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials, 2018/11/2
- 89/1437/CD, IEC 60695-2-12 ED3: Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials, 2018/11/2
- 101/574/NP, PNW TS 101-574: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, /2018/11/3
- 101/572A/CD, IEC TR 61340-5-4 ED1: Electrostatics - Part 5-4: Protection of electronic devices from electrostatic phenomena - Compliance verification, /2018/10/1
- 104/813/CD, IEC 60068-3-7 ED2: Environmental testing - Part 3-7: Supporting documentation and guidance - Measurements in temperature chambers for tests A and B (with load), /2018/11/3
- 106/464/CDV, IEC/IEEE 62209-1528 ED1: Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices (Frequency range of 4 MHz to 10 GHz), /2018/11/3
- 113/437/CD, IEC TS 62607-3-3 ED1: Nanomanufacturing-Key control characteristics-Part 3-3: Luminescent nanomaterials - Determination of fluorescence lifetime using Time Correlated Single Photon Counting (TCSPC), /2018/11/3
- 113/436/CD, 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, /2018/11/3
- 119/232/CDV, IEC 62899-502-2 ED1: Printed Electronics - Part 502-2: Mechanical and environmental combined stress test methods for flexible OLED elements, /2018/11/3
- 121A/240/CD, IEC 60947-4-3 ED3: Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - Semiconductor controllers and semiconductor contactors for non-motor loads, /2018/11/3
- SyCAAL/117/NP, PNW TS SYCAAL-117: (SRD) Economic evaluation of AAL services - Part 1: Framework, /2018/11/3
- SyCSmartCities/54/CD, IEC TS 63188 ED1: Systems Reference Document - Smart Cities - Smart Cities Reference Architecture Methodology (SCRAM), 2018/11/2



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

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 28198:2018](#), Vegetable fats and oils - Determination of toluene insoluble matter, \$68.00

APPLICATIONS OF STATISTICAL METHODS (TC 69)

[ISO 11843-7:2018](#), Capability of detection - Part 7: Methodology based on stochastic properties of instrumental noise, \$103.00

CERAMIC TILE (TC 189)

[ISO 13006:2018](#), Ceramic tiles - Definitions, classification, characteristics and marking, \$209.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 20728:2018](#), Corrosion of metal and alloys - Determination of resistance of magnesium alloys to stress corrosion cracking, \$68.00

GAS CYLINDERS (TC 58)

[ISO 11515/Amd1:2018](#), Gas cylinders - Refillable composite reinforced tubes of water capacity between 450 L and 3000 L - Design, construction and testing - Amendment 1, \$19.00

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

[ISO 19130-1:2018](#), Geographic information - Imagery sensor models for geopositioning - Part 1: Fundamentals, \$232.00

NUCLEAR ENERGY (TC 85)

[ISO 16647:2018](#), Nuclear facilities - Criteria for design and operation of confinement systems for nuclear worksite and for nuclear installations under decommissioning, \$162.00

OPTICS AND OPTICAL INSTRUMENTS (TC 172)

[ISO 11990:2018](#), Lasers and laser-related equipment - Determination of laser resistance of tracheal tube shaft and tracheal tube cuffs, \$103.00

PAINTS AND VARNISHES (TC 35)

[ISO 11124-3:2018](#), Preparation of steel substrates before application of paints and related products - Specifications for metallic blast-cleaning abrasives - Part 3: High-carbon cast-steel shot and grit, \$68.00

[ISO 11126-5:2018](#), Preparation of steel substrates before application of paints and related products - Specifications for non-metallic blast-cleaning abrasives - Part 5: Nickel slag, \$45.00

PHOTOGRAPHY (TC 42)

[ISO 19093:2018](#), Photography - Digital cameras - Measuring low-light performance, \$138.00

PLASTICS (TC 61)

[ISO 1922:2018](#), Rigid cellular plastics - Determination of shear properties, \$68.00

[ISO 21970-2:2018](#), Plastics - Polyketone (PK) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$45.00

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

[ISO 10508/Amd1:2018](#), Plastics piping systems for hot and cold water installations - Guidance for classification and design - Amendment 1, \$19.00

REFRIGERATION (TC 86)

[ISO 18326:2018](#), Non-ducted portable air-cooled air conditioners and air-to-air heat pumps having a single exhaust duct - Testing and rating for performance, \$185.00

SAFETY OF TOYS (TC 181)

[ISO 8124-3/Amd2:2018](#), Safety of toys - Part 3: Migration of certain elements - Amendment 2, \$19.00

SOIL QUALITY (TC 190)

[ISO 23470:2018](#), Soil quality - Determination of effective cation exchange capacity (CEC) and exchangeable cations using a hexamminecobalt(III)chloride solution, \$138.00

TEXTILES (TC 38)

[ISO 10325:2018](#), Fibre ropes - High modulus polyethylene - 8-strand braided ropes, 12-strand braided ropes and covered ropes, \$45.00

[ISO 15487:2018](#), Textiles - Method for assessing appearance of apparel and other textile end products after domestic washing and drying, \$103.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

[ISO 20768:2018](#), Vapour products - Routine analytical vaping machine - Definitions and standard conditions, \$68.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 21717:2018](#), Intelligent transport systems - Partially Automated In-Lane Driving Systems (PADS) - Performance requirements and test procedures, \$68.00

WOOD-BASED PANELS (TC 89)

[ISO 12460-2:2018](#), Wood-based panels - Determination of formaldehyde release - Part 2: Small-scale chamber method, \$103.00

ISO Technical Specifications

ROAD VEHICLES (TC 22)

[ISO/TS 17536-5:2018](#), Road Vehicles - Aerosol separator performance test for internal combustion engines - Part 5: Engine fractional efficiency test method and upstream distribution sampling method, \$138.00

SMALL TOOLS (TC 29)

[ISO/TS 13399-306:2018](#), Cutting tool data representation and exchange - Part 306: Creation and exchange of 3D models - Drills and countersinking tools for indexable inserts, \$209.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 28360-1:2018](#), Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 1: Using-consumables, \$185.00

[ISO/IEC 28360-2:2018](#), Information technology - Office equipment - Determination of chemical emission rates from electronic equipment - Part 2: Not using-consumables, \$68.00

OTHER

[ISO/IEC 80079-34:2018](#), Explosive atmospheres - Part 34: Application of quality systems for ex product manufacture, \$232.00

IEC Standards**ELECTRIC CABLES (TC 20)**

[IEC 60332-3-24 Ed. 2.0 b:2018](#), Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C, \$82.00

ELECTRICAL ACCESSORIES (TC 23)

[IEC 60320-1 Amd.1 Ed. 3.0 b:2018](#), Amendment 1 - Appliance couplers for household and similar general purposes - Part 1: General requirements, \$12.00

[IEC 60320-1 Ed. 3.1 b:2018](#), Appliance couplers for household and similar general purposes - Part 1: General requirements, \$469.00

IEC Technical Reports**ELECTROACOUSTICS (TC 29)**

[IEC/TR 63079 Amd.1 Ed. 1.0 en:2018](#), Amendment 1 - Code of practice for hearing-loop systems (HLS), \$12.00

[IEC/TR 63079 Ed. 1.1 en:2018](#), Code of practice for hearing-loop systems (HLS), \$528.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

For further information about the USA TBT Inquiry Point, please visit: <https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point>

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

Information Concerning

American National Standards

Call for Members

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

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

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

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

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

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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

SCTE is currently seeking to broaden the membership base of its 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 a 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

Georgia Tech Energy and Sustainability Services (GTESS)

The reaccreditation of Georgia Tech Energy and Sustainability Services (GTESS), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on GTESS-sponsored American National Standards, effective September 11, 2018. For additional information, please contact: Ms. Holly Grell-Lawe, GTESS Standards Coordinator, Principal Research Associate, Enterprise Innovation Institute, Georgia Institute of Technology, 75 Fifth Street, NW, Suite 300, Atlanta, GA 30332-0640; phone: 404.558.5948; e-mail: holly.lawe@innovate.gatech.edu.

Sheet Metal and Air-Conditioning Contractors' National Association (SMACNA)

The reaccreditation of the Sheet Metal and Air-Conditioning Contractors' National Association (SMACNA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on SMACNA-sponsored American National Standards, effective September 12, 2018. For additional information, please contact: Ms. Cintamani Sweet, Administrative Assistant, Technical Services, SMACNA, 4201 Lafayette Center Drive, Chantilly, VA 20151-1219; phone: 703.995.4020; e-mail: csweet@smacna.org.

Reaccreditation

American Concrete Institute (ACI)

Comment Deadline: October 15, 2018

As part of the mandatory 5-year review for Accredited Standards Developers that do not currently sponsor any current American National Standards, the American Concrete Institute (ACI), an ANSI member and ASD, has submitted its current operating procedures for review and reaccreditation.

To obtain a copy of ACI's operating procedures or to offer comments, please contact: Ms. Shannon Banchemo, Manager, Technical Documents, American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331; phone: shannon.banchemo@concrete.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the procedures to ACI by October 15, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

ANSI Accreditation Program for Greenhouse Gas Verification/Validation Bodies

Application for Accreditation

Dillon Consulting Limited

Comment Deadline: October 15, 2018

In accordance with the following ISO standards:

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

Dillon Consulting Limited
235 Yorkland Boulevard, Suite 800
Toronto, Ontario M2J 4Y8, Canada

has submitted a formal application for accreditation by ANSI for the following sectoral scopes:

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

- Group 1 – General
- Group 2 – Manufacturing
- Group 3 – Power Generation
- Group 5 – Mining and Mineral Production
- Group 6 – Metals Production
- Group 7 – Chemical Production
- Group 8 – Oil and Gas Extraction, Production and Refining, included Petrochemicals
- Group 9 – Waste

Verification of assertions related to GHG emission reductions and removals at the project level

- Group 1 – GHG emission reductions from fuel combustion
- Group 2 – GHG emission reductions from industrial processes (non-combustion, chemical reaction, fugitive and other)
- Group 5 – Livestock
- Group 6 – Waste Handling and Disposal

Please send your comments by October 15, 2018 to Ann Howard, Director, Environmental Accreditation Programs, American National Standards Institute, 1899 L Street, NW, 11th Floor, Washington, DC 20036, e-mail: ahoward@ansi.org.

International Organization for Standardization

Establishment of ISO Project Committee

ISO/PC 320 – Tableware, Giftware, Jewellery, Luminaries – Glass Clarity – Classification and Test Method

A new ISO Project Committee, ISO/PC 320 - Tableware, giftware, jewellery, luminaries - Glass clarity - Classification and test method, has been formed. The Secretariat has been assigned to France (AFNOR).

ISO/PC 320 operates under the following scope:

Standardization in the field of tableware, giftware, jewellery, luminaries - Glass clarity - Classification and test method.

Organizations interested in serving as the U.S. TAG Administrator or participating on the U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO Proposal for a New Field of ISO Technical Activity

Sharing Economy

Comment Deadline: October 19, 2018

JISC, the ISO member body for Japan, has submitted to ISO a proposal for a new field of ISO technical activity on Sharing Economy, with the following scope statement:

Standardization in the field of sharing economy.

Excluded: Technical aspects of information security or risk management guidelines already covered by ISO/IEC JTC 1/SC27 and ISO/TC 262, respectively.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, October 19.

Meeting Notices

Accredited Standards Committee (ASC) B109 Standards B109.1, B109.2, B109.3, and B109.4

Meeting Date: October 22, 2018; 8:00 AM – 4:00 PM
CST

Meeting Location: Omni Forth Worth Hotel, 1300 Houston
Street, Fort Worth, Texas (Teleconference information
available upon request)

Purpose: This is the annual ANSI B109 meeting. Updates
will be given for each of the B109 standards. Breakout
sessions for B109.1, B109.2, B109.3, and B109.4 will
follow the main meeting.

Please register on line at www.aga.org. For more
information, contact Jeff Meyers, jmeyers@aga.org.

Accredited Standards Committee Z87 on Safety Standards for Eye Protection

The Accredited Standards Committee Z87 on Safety
Standards for Eye Protection will next meet as noted:

Wednesday, October 10, 2018

9:00 AM – 4:00 PM

3M Innovation Center

1425 K Street, NW #300

Washington, DC 20005

Meeting space is limited and is available on a first-come,
first-serve basis. If you have questions or are interested in
attending the Z87 Committee meeting, please contact
Cristine Z. Fargo, Director - Member and Technical Services
at 703-525-1695 or cfargo@safetysafetyequipment.org.

ANSI Z359 Committee for Fall Arrest/Protection

The American Society of Safety Professionals (ASSP)
serves as the secretariat of the ANSI Z359 Committee for
Fall Arrest/Protection. The next meeting of the Z359
Committee will take place on November 6, 7, and 8, 2018 in
Schaumburg, IL. Those interested in participating can
contact ASSP for additional information at
OMunteanu@assp.org.

Information Concerning

Call for Members

BOMA International

BOMA International has initiated the process of revising its Gross Areas measurement standard, “Gross Areas of a Building: Standard Methods of Measurement (ANSI/BOMA Z65.3—2009)” and is seeking volunteers to serve on its Canvass Committee. The balloting will begin October 5 and conclude 45 days following the initiation of the process. While we welcome all interest categories, we are specifically seeking “Users” and “General Interest” volunteers. Users include those who use space within a commercial building including tenants, tenant brokers, agents, floor measurement professionals, architects and interior designers as well as 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 Tanner Johnston at tjohnston@boma.org or 202-326-6357 if you are interested and for a copy of the pre-canvass interest survey. Surveys must be submitted prior to October 5.

Information Concerning

International Organization for Standardization (ISO)

Establishment of ISO Technical Committee

ISO/TC 321 – Transaction Assurance in E-Commerce

A new ISO Technical Committee, ISO/TC 321 – *Transaction assurance in E-commerce*, has been formed. The Secretariat has been assigned to China (SAC).

ISO/TC 321 operates under the following scope:

Standardization in the field of “transaction assurance and upstream/downstream directly related processes in e-commerce”, including the following:

- The assurance of transaction process in e-commerce (including easier access to e-platforms and e-stores);
- The protection of online consumer rights including both prevention of online disputes and resolution process;
- The interoperability and admissibility of commodity quality inspection result in cross-border e-commerce.
- The assurance of e-commerce delivery to the final consumer.

Excluded:

- Management system standards already covered by ISO/TC 176;
- Authenticity, integrity and trust for products and documents standards already covered by ISO/TC 292/WG4;
- Guidelines on consumer warranties and guarantees standards already covered by ISO/PC 303;
- Meta-standards of information interchange standards already covered by ISO/TC 154;
- Cross-border trade of second-hand goods standards already covered by ISO/PC 245;
- Brand evaluation standards already covered by ISO/TC 289;
- Online reputation standards already covered by ISO/TC 290;
- Financial services standards already covered by ISO/TC 68;
- Identity management standards already covered by ISO/IEC/JTC 1/SC 27/WG 5;
- Meta-standards of data management and interchange already covered by ISO/IEC/JTC 1/SC 32;
- Biometrics standards already covered by ISO/IEC/JTC 1/SC 37.

Since the payment and security of the transaction are very important in e-commerce, the proposed new technical committee will cooperate with ISO/TC 68 (Financial services), ISO/IEC/JTC1/SC 27 (IT Security techniques) and other TC via a liaison membership. If request for developing new standards for e-commerce in those TCs arose, the proposed new TC would work with them to develop the needed standards.”

Organizations interested in serving as the U.S. TAG Administrator or participating on the U.S. TAG should contact ANSI’s ISO Team (isot@ansi.org).

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

TC 107 – *Metallic and other inorganic coatings* and Subcommittees

There is currently no ANSI-accredited U.S. TAG Administrator for TC 107, TC 107/SC 3, TC 107/SC 4, TC 107/SC 7, TC 107/SC 8, and TC 107/SC 9, and therefore ANSI is not a member of these committees. The Secretariats for these committees are held by South Korea (KATS) for TC 107, TC 107/SC 3, and TC 107/SC 8; the UK (BSI) for TC 107/SC 4; Japan (JISC) for TC 107/SC 7, and China (SAC) for TC 107/SC 9.

TC 107 operates under the following scope:

Standardization of the characteristics of protective and decorative metallic coating applied by electrolysis, fusion, vacuum or chemical means, mechanical deposition, ion plating.

Standardization of the characteristics of protective and decorative non-metallic coatings (excluding paints and other organic coatings) on metal surface applied by electrolysis, fusion, vacuum or chemical means.

Standardization of testing and inspection methods for such coatings.

Standardization of the preparation of the substrates prior to the deposition of metallic and inorganic coatings.

TC 107/SC 3 operates under the following scope:

Electrodeposited coatings and related finishes

TC 107/SC 4 operates under the following scope:

Hot dip coatings (galvanized, etc.)

TC 107/SC 7 operates under the following scope:

Standardization in the field of corrosion and porosity tests of metallic coatings, and non-organic coatings

TC 107/SC 8 operates under the following scope:

Chemical conversion coatings

TC 107/SC 9 operates under the following scope:

Standardization of the specification of vacuum evaporation, magnetron sputtering, arc ion plating, other new physical vapor deposition methods or their combination as an alternative to conventional electro/electroless plating.

Standardization of the characteristics of protective and decorative metallic (such as silver, copper, chrome, titanium and zirconium) or non-metallic coatings (such as nitrides and oxides, excluding paints and other organic coatings as well as diamond-like carbon films).

Standardization of the characteristics of inorganic nanocomposite and/or multilayer and multiphase coatings (such as multi-components nitrides and carbides of CrAlN-base, TiAlN-base, TiCN-base, MeN/SiNx, as well as boride of TiB₂ and ZrB₂) for functional performance (friction and wear, corrosion and oxidation, fatigue and mechanical properties).

Standardization of testing and inspection methods for physical vapor deposition coatings and pretreatment methods for metal substrates prior to the deposition.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

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

NSF/ANSI International Standard for Food Equipment —

Automatic ice making equipment

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Annex A (normative)

Procedures for the preparation of test media.

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A.8 Culture of *P. fluorescens*

A.8.1 Stock culture preparation

- a) *P. fluorescens* #13525 shall be obtained from ATCC.
- b) Stock culture shall be rehydrated with TSB and maintained in TSB. The culture shall then be incubated at ~~30 ± 1 °C (86 ± 1 °F)~~ **26 ± 1 °C (79 ± 2 °F)**.
- c) This working stock culture may be maintained at 3 ± 2 °C (37.4 ± 3 °F) for up to one month, at which time a new freezer culture shall be thawed and inoculated to TSB.

A.8.2 Challenge culture preparation

- a) From the working stock culture slant, the inoculum shall be transferred to 10 mL nutrient broth and incubated at ~~30 ± 1 °C (86 ± 1 °F)~~ **26 ± 1 °C (79 ± 2 °F)** for 24 h.
- b) 1 mL of the stock culture shall be transferred to a nutrient agar slant prepared in a French bottle with a surface approximately 75 cm² in area. The media shall then be incubated at ~~30 ± 1 °C (86 ± 1 °F)~~ **26 ± 1 °C (79 ± 2 °F)** for 24 h.
- c) Cells shall be washed from agar surface with 99 mL of sterile buffered distilled water (SBDW) (prepared in accordance with APHA *Standard Methods for the Examination of Water and Wastewater*^{Error! Bookmark not defined.}), and suspension shall be transferred to a sterile dilution bottle.
- d) Serial dilutions of *P. fluorescens* suspension (10⁴ to 10⁸) shall be made using sterile PBS. 10⁶ to 10⁸ dilutions shall be plated in triplicate on TSA plates. Test sample shall be inverted and

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incubated at ~~$30 \pm 1^{\circ}\text{C}$ ($86 \pm 1^{\circ}\text{F}$)~~ $26 \pm 1^{\circ}\text{C}$ ($79 \pm 2^{\circ}\text{F}$) for 24 h. Remaining *P. fluorescens* suspension shall be refrigerated at $3 \pm 2^{\circ}\text{C}$ ($37.4 \pm 3^{\circ}\text{F}$).

- e) After incubation, plates containing 25 to 250 distinct colony forming units (CFU) shall be enumerated using a colony counter. The inoculum of the *P. fluorescens* suspension shall be calculated.
- f) The appropriate volume of *P. fluorescens* suspension shall be pipetted into 4 L of SBDW containing stir bar to yield a density of 1×10^6 to 1×10^7 CFU/mL.

A.8.3 Enumeration

- a) For each test sample, one 100-mL and one 10-mL sample shall be aseptically processed using the membrane filter technique. A mixed cellulose ester membrane with a pore size of $0.45\ \mu\text{m}$ shall be utilized. Test sample shall be plated on PFA, inverted, and incubated at ~~$30 \pm 1^{\circ}\text{C}$ ($86 \pm 1^{\circ}\text{F}$)~~ $26 \pm 1^{\circ}\text{C}$ ($79 \pm 2^{\circ}\text{F}$) for 48 h.
- b) After incubation, plates containing 20 – 200 distinct CFU shall be enumerated using a Colony Counter. Results shall be expressed as the number of CFU / 100 mL.

A.8.4 Negative control

- a) For the negative control samples, a 100-mL sample shall be aseptically processed using the membrane filter technique. A mixed cellulose ester membrane with a pore size of $0.45\ \mu\text{m}$ shall be utilized. Test sample shall be plated on PFA, inverted, and incubated at ~~$30 \pm 1^{\circ}\text{C}$ ($86 \pm 1^{\circ}\text{F}$)~~ $26 \pm 1^{\circ}\text{C}$ ($79 \pm 2^{\circ}\text{F}$) for 24 h.
- b) After incubation, plates containing 20 – 200 distinct CFU shall be enumerated using a Colony Counter. Results shall be expressed as the number of CFU / 100 mL.

A.8.5 Positive challenge culture control

- a) For the positive challenge control samples, serial dilutions of the samples (10^0 - 10^{-4}) shall be made using SBDW. 10^{-4} and 10^{-5} dilutions shall be processed aseptically using the membrane filter technique. Test sample shall be plated on PFA, inverted, and incubated at ~~$30 \pm 1^{\circ}\text{C}$ ($86 \pm 1^{\circ}\text{F}$)~~ $26 \pm 1^{\circ}\text{C}$ ($79 \pm 2^{\circ}\text{F}$) For 24 h.

After incubation, plates containing 20 – 200 distinct CFU shall be enumerated using a Colony Counter. Results shall be expressed as the number of CFU / 100 mL.

Rationale: The current NSF/ANSI Standard 12 procedure for preparing the *P. fluorescens* culture specifies a temperature that is 4°C higher than the temperature recommended by ATCC the supplier of the organism. Recent evaluation by the NSF Lab has verified that the recommended temperature of 26°C provides sufficient microbial density to prepare the challenge culture.

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[Note – the changes are seen below using strikeout for removal of old text and gray highlights to show the suggested text. ONLY the highlighted text is within the scope of this ballot. Text highlighted in yellow has changed between revision 1 and revision 2, per comments received on the revision 1 ballot.]

NSF International Standard / American National Standard –

Public Drinking Water Equipment Performance – Filtration

5 Bag and cartridge filter systems

5.1 General requirements

5.1.1 A complete description of the bag or cartridge system to be tested shall be provided. The description shall include the following information for both filter and pre-filter (if applicable):

- model name/number of cartridge/bag and filter vessel;
- maximum design flow rate;
- maximum inlet pressure;
- terminal pressure drop requiring filter changeout;
- exploded schematic diagram of the filter element and housing; and
- status of module filter certification to NSF/ANSI 61-; and
- and any additional product specifications requested in Annex C.

Reason: Revised per E. Hofeld's comment and JC meeting discussion on 10/27/16. Revisions in yellow added per comment by J. Mendez on the 419i6r1 ballot.

5.1.2 A minimum of two filter units shall be tested. A filter unit is defined in the EPA LT2ESWTR Toolbox Guidance Manual (TGM) as the filter media (bag or cartridge), housing, and associated piping and valves. More than two units are permitted to be tested if required by a regulatory agency. The bags or cartridges to be tested ~~should~~ **shall** be selected from different production runs, ~~if possible~~.

5.2 Experimental design

5.2.1 The two units shall be configured in parallel for testing or multiple vessel units ~~should~~ **shall** be configured for testing in series.

5.2.2 Filters shall be tested at the maximum design flow rate for a duration sufficient to reach 100% of the terminal pressure drop. Each filter tested shall be challenged with the challenge particulate within two hours of start-up of a new filter, when the pressure drop is between 45% and 55% of the terminal pressure drop, and after the terminal pressure drop has been reached.

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5.3 Challenge particulate

5.3.1 The system shall be tested using polystyrene latex microspheres. The polystyrene microspheres shall have 95% of particles in the range of $3.00 \pm 0.15 \mu\text{m}$. See Annex E for additional information on challenge particulate selection. The size variation of the polystyrene microspheres shall be confirmed by electron microscopy. The spheres shall have a surface charge content of less than 2 uEq/g. The microspheres shall contain a fluorescein isothiocyanate (FITC) dye or equivalent.

Reason: Added reference to Annex E per comment submitted by J. Mendez (10/21/17). Replaced the word “should” with “shall” per comment submitted by B. Bartley on 419i6r1.

5.3.2 The maximum feed concentration shall be 1.0×10^4 times the filtrate detection limit, to prevent overseeding leading to artificially high log removals.

5.4 Apparatus

The filters shall be tested in a test apparatus that meets the requirements of LT2ESWTR and the objectives of this standard and its scope. At a minimum, a test apparatus suitable for conducting challenge testing **should shall** include equipment such as pumps, valves, instrumentation, and controls necessary to evaluate full-scale modules. See Figure 1 for example test apparatus. The test apparatus **should shall** also be designed to mimic the hydraulic configuration of the full-scale system as much as practical. The test equipment **should shall** be capable of providing the precision and accuracy necessary to generate data within the requirements of this Standard.

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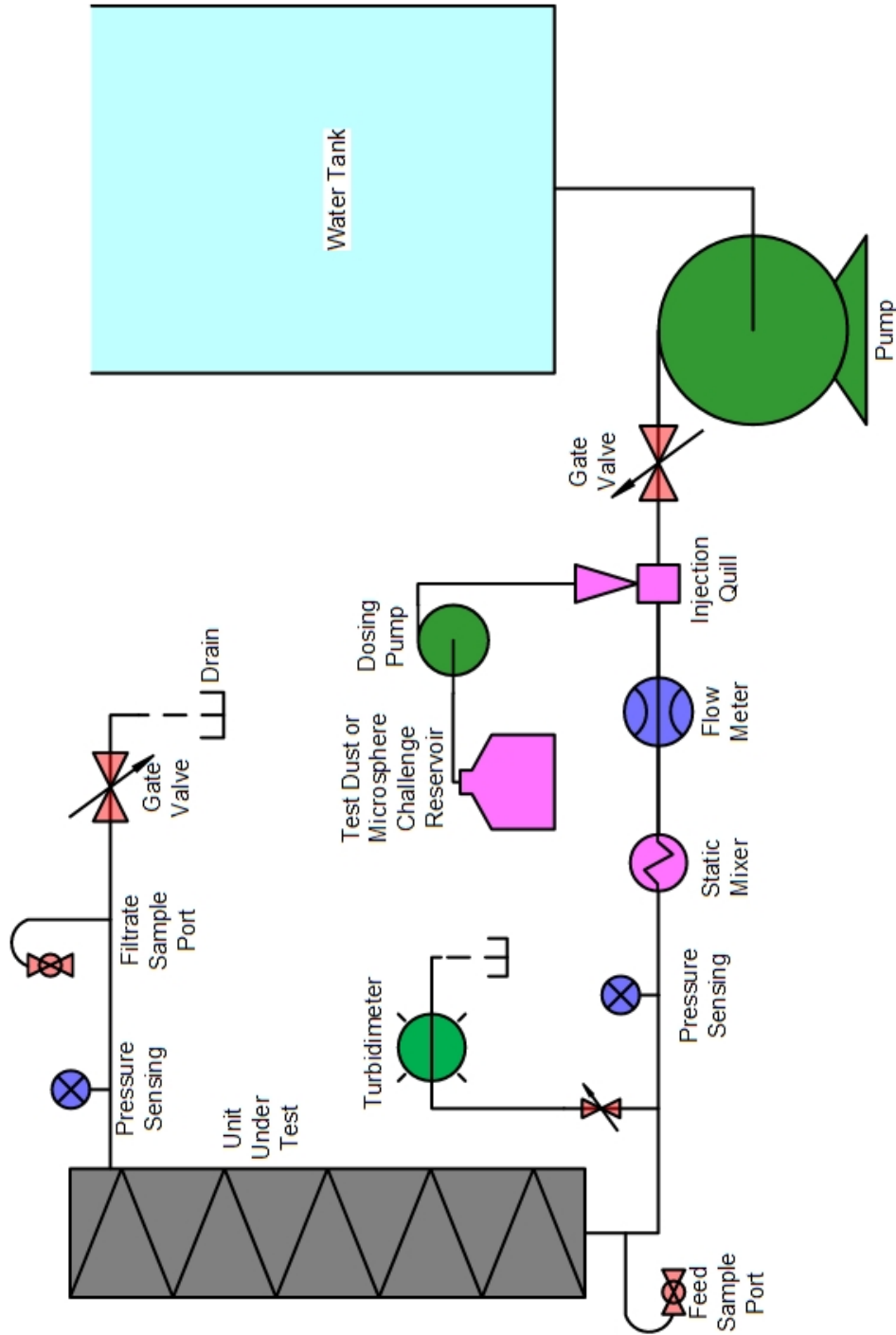


Figure 1 – Example test apparatus for challenge testing bags and cartridge filters
Reason: Added reference to test apparatus figure per comment submitted by J. Mendez (10/21/17).

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5.5 Flow rate

The filtration systems shall be operated at the manufacturer's specified maximum design flow. There is no requirement for inlet pressure; it shall be set as necessary to achieve the required flow. Each filter shall be tested for a duration sufficient to reach terminal pressure drop.

5.6 General test water

A dechlorinated, potable water supply shall be used with the following characteristics:

alkalinity	≥ 20 mg/L
HPC	< 500 bacterial colonies/mL
iron ¹	< 0.3; recommend non-detectable levels
manganese ¹	< 0.3; recommend non-detectable levels
pH	6.5 to 8.5
residual disinfection or oxidants in tap water (e.g., free chlorine, total chlorine, potassium permanganate, and chloramines)	None detected
temperature	10 to 27 °C (50 to 81 °F)
total organic carbon (TOC) ¹	measure and report values in test report
turbidity	< 0.3 NTU
¹ The levels of these parameters and any others present in the test water shall not be of a type and quantity to form a cake on the filtration media that could bias the observed reduction of challenge microspheres over the performance of the test.	

5.6.1 Test dust loading water

The test dust is used to load the filter to create a pressure drop across the filter. Test dust shall be added to the general test water specified in 5.6 to achieve a maximum of 10 NTU. The test dust shall have a nominal 0 to 5 µm size classification and shall have 96% (by volume percent) of its particles within this range and 20 to 40% (by volume percent) of its particles greater than 2.5 µm (see Annex E for more information on test dust selection).

Reason: Added reference to Annex E per comment submitted by J. Mendez (10/21/17).

5.7 Set-up

5.7.1 Sanitization

Prior to initiation of testing, and during each module change out, the test rig shall be sanitized using a bleach solution at an appropriate concentration and exposure time. A sample shall be collected to confirm that there is no microbiological contamination as defined in Annex B.

NOTE – Sanitization should be done in accordance with the manufacturer's recommended procedures or a commonly accepted practice such as AWWA C653 - *Disinfection of Water Treatment Plants*.

5.7.2 Conditioning

The filter units shall be conditioned in accordance with the manufacturer's instructions using the general test water specified in 5.6. If no conditioning instructions are provided, the units shall be flushed with a

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minimum of 3 hold-up volumes using the general test water specified in 5.6.

5.8 Method

There shall be no conditioning period, other than that specified by the manufacturer to prepare the filters for service.

- a) Each test unit shall be individually plumbed to the test rig after the rig has been sanitized and rinsed.
- b) The filters shall be conditioned per section 5.7.2. During this period the feed flow and inlet pressure shall be adjusted as necessary to obtain the proper flow for the challenge test per section 5.5 of this Standard.
- c) At the end of the conditioning period, negative control filtrate samples shall be collected for challenge microsphere enumeration. At least one negative control sample shall contain the test dust at the concentration to be used during the challenge test. This shall aid in assessing potential interferences with the microsphere enumeration analytical procedures.
- d) Filter operation shall begin at the proper flow. Injection of the challenge microsphere suspension shall be started. Feed and filtrate samples shall be collected after at least three void volumes of water containing the challenge microspheres have passed through the test unit, to allow for establishment of equilibrium. The vendor shall provide the unit void volume, or alternatively, the calculated approximate volume of the housing and associated piping ~~should~~ **shall** be used to provide an additional safety factor as a conservative estimate of unit void volume. For instance, if the housing is a typical cylinder design, the calculated volume of a cylinder of the height and diameter of the housing, plus the volume of any piping ~~should~~ **shall** be used. After the appropriate injection time, grab samples shall be collected from the feed and filtrate sample taps. The sample taps shall be fully flushed prior to sample collection. After sample collection is complete, challenge suspension injection shall be stopped and filter operation shall continue.
- e) The filter shall be operated until the pressure drop across the filter is $50\% \pm 5\%$ of the terminal pressure drop value. At this point, the second microsphere challenge shall be conducted following the procedure in step d).
- f) Immediately following the second microsphere challenge, resume filter operation until the terminal pressure drop is reached. Repeat step d) to conduct the terminal pressure drop microsphere challenge.
- g) Immediately after the terminal pressure drop microsphere challenge is complete, filter operation shall be stopped for a five minute rest period. Operation shall then be restarted and injection of microspheres resumed. Samples for polystyrene microsphere analysis shall be collected from the first filtrate water out of the system upon restart, then again after five minutes of operation and ten minutes of operation.
- h) LRV values shall be calculated according to the guidelines established in Annex C.

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Reason: Revised per comments submitted by J. Mendez (10/21/17). Replaced the word “should” with “shall” per comment submitted by B. Bartley on 419i6r1.

5.9 Analytical methods

This Standard specifies procedures that shall be used to ensure accurate documentation of bag and cartridge filters. Careful adherence to these procedures and to the analytical procedures shall result in verifiable performance data.

5.9.1 Detection and enumeration of polystyrene microspheres shall be done in accordance with Annex A.

5.9.2 A list of analytical methods is provided in Table 5.1.

Table 5.1 – Analytical methods for laboratory analyses

Parameter	Method ¹
alkalinity (total)	SM 2320B
HPC	SM 9125
iron	SM 200.7
manganese	SM 200.7
pH	SM 4500-H ⁺ B
TDS	SM 2540 C
TOC	SM 5310B
total chlorine	SM 4500-Cl G
turbidity	SM 2130 B
¹ Standard Methods for the Examination of Water and Wastewater	

5.9.3 Flow rate

During validation testing, the ~~variability or precision~~ accuracy of flow rate measurements ~~should~~ shall be less than or equal to five percent.

5.9.4. Pressure measurements

During validation testing, the accuracy of pressure sensor measurements shall be less than or equal to one percent of the full scale of the sensor.

5.10 A final report shall be completed per guidelines established in Annex C.

Reason: Revised per comments submitted by J. Mendez and B. Bartley on 419i6r1.

BSR/UL 507, Standard for Electric Fans

1. Addition of New Reference Standard UL 62368-1 for Power Supplies, Battery Chargers and Communication Accessory

PROPOSAL

6.8.1 A Class 2 power supply shall comply with one of the following:

- a) Standard for Class 2 Power Units, UL 1310; ~~or~~
- b) Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, ~~with an output marked "Class 2", or~~ that complies with the limited power source (LPS) requirements and is marked "LPS"; ~~or~~
- c) Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, that complies with the limited power source requirements (LPS) requirements and is marked "LPS".

6.8.2 A non-Class 2 power supply shall comply with one of the following:

- a) Standard for Power Units Other Than Class 2, UL 1012; or
- b) Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1; or
- c) Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

217.1 Battery chargers shall comply with the Standard for Class 2 Power Units, UL 1310, the Standard for Power Units Other Than Class 2, UL 1012, and the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1 marked "~~Class 2~~" ~~or~~ "LPS". Compliance with the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1 fulfills the UL 60950-1 requirements.

SA2.1.4 With respect to SA2.1.1, a communication device that is not integral with the appliance control (e.g. on a separate printed wiring board) and complying with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, is considered to fulfill this requirement.

With respect to SA2.2.1, compliance with the separation of circuits requirements of the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, ~~or the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1,~~ or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, is considered to fulfill this requirement.

SA2.3.1 An external communication or display device, such as a router or monitor, provided as an accessory for use with the appliance, shall comply with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

SA2.3.2 The power supply cord of an external communication or display device shall comply with this Standard, ~~or the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1,~~ except Types NISP-2, NISPE-2, NISPT-2 are not permitted.

SA2.4.1 External communication conductors and cables shall comply with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

SA2.5.1 Communication connectors and data ports accessible to the user and service personnel shall comply with the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1. Otherwise, communication connectors and data ports shall be evaluated in accordance with this Standard.

SA5.1 Accessory devices shall be marked with the manufacturer's name (or symbol), a part or catalog number, and electrical ratings. Literature packaged with the accessory shall identify the appliance(s) for which it is intended to be used. Additional literature or markings may be required, as applicable, when the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and / or the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, requirements are applied. Compliance with the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1 fulfills the UL 60950-1 requirements.

2. Addition of New Reference Standard UL 510A for Insulating Tape

PROPOSAL

6.9.1 The requirements for supplemental insulation (e.g. tape, sleeving or tubing) are not specified unless the insulation or device is required to fulfill a requirement of this standard. In such cases:

- a) Insulating tape shall comply with the Standard for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape, UL 510, or for tapes requiring greater than 80 C rating, the Standard for Component Tapes, UL 510A;
- b) Sleeving shall comply with the Standard for Coated Electrical Sleeving, UL 1441;
- c) Tubing shall comply with the Standard for Extruded Insulating Tubing, UL 224.

3. Remove the Reference to UL 244A and UL 873

PROPOSAL

23.4 The control circuitry of a motor investigated in accordance with Exception No. 1 to 23.1(c) shall be considered an operating control, and shall comply with the applicable requirements of the:

- a) Standard for Solid-State Fan Speed Controls, UL 1917,
- b) ~~Standard for Solid-State Controls for Appliances, UL 244A,~~

- c) Standard for Industrial Control Equipment, UL 508,
- d) Standard for Power Conversion Equipment, UL 508C,
- e) Standard for Automatic Electronic Controls - Part 1: General Requirements, UL 60730-1 (see 23.5), or
- f) Other equivalent standard intended to investigate the inherent electrical safety of controls and appropriate for the end-use environment.

86.2 A solid-state speed control shall comply with the applicable requirements in the Standard for Solid-State Fan Speed Controls, UL 1917, or the equivalent.

Exception No. 1: The spacings of an integral factory wired component solid-state speed control shall comply with either the Standard for Solid-State Fan Speed Controls, UL 1917, or the Standard for Solid-State Controls for Appliances, UL 244A. Compliance with the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills the UL 244A requirements.

Exception No. 2: This requirement does not apply to circuits that comply with the requirements in Supplement SB.

129.1.1.5 The test is to be conducted in each of the following applicable conditions:

- a) Microwave oven, all range surface units, and the oven operating. The oven is to be set in the bake mode with the center of the oven maintained at an average temperature of 246°C (475°F).
- b) Microwave oven not operating, range surface units not operating, and the oven operating in the self-clean mode.
- c) The conditions specified in (a) and (b) with the ventilating-hood-fan shelf operating and not operating.

Exception: The test is not required to be repeated with the fan not operating when:

- 1) *The user cannot turn the fan "off" while the receptacle remains energized because of an automatic temperature control;*
- 2) *The automatic temperature control withstands 100,000 cycles of intended operation without impaired performance while making and breaking the maximum rated current at rated voltage; and*
- 3) *The control complies with the calibration requirements in the Standard for Limit Controls, UL 353, or the Standard for Temperature-Indicating and Regulating Equipment, UL 873. Compliance with the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills the UL 873 requirements.*

- d) The conditions specified in (a) and (b) for each intended speed of the ventilating-hood-fan shelf.
- e) The conditions specified in (a) and (b) in the duct position and ductless position when the fan is intended for such operation.

143.1 A thermally protected Type IC unit shall be provided with thermal protection that cycles the lamp circuit. The protector shall comply with the requirements for devices rated for control of incandescent lamps, as specified in ~~the Standard for Temperature-Indicating and -Regulating Equipment, UL 873.~~ Compliance with the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills these requirements.

143.3 An automatic-reset overtemperature-protective device that is provided on a thermally protected Type IC unit to cycle the fan motor on and off, to regulate the temperatures during the Normal Temperature Test, shall comply with the ~~Standard for Temperature-Indicating and -Regulating Equipment, UL 873~~ Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series, including the 100,000 cycle Endurance Test. ~~Compliance with the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills these requirements.~~

159.2.4 The electronic circuitry provided as part of a drain pump shall comply with the requirements in the ~~Standard for Solid State Controls for Appliances, UL 244A.~~ Compliance with the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series fulfills these requirements.

4. Addition of Static Load Test for Ceiling Insert Fans with Tab Mounting Means

PROPOSAL

60.5 For a Ceiling Insert Fan with tab type mounting means, the Static Load Test is subjected to the applicable requirements in 60.1 - 60.3, except for the modifications specified in (a) through (d):

- a) The security of the attachment of the appliance to the ceiling shall not be adversely affected;
- b) The face of the product secured by the tab mounting means shall not permanently displaced more than 1/8 in (3.2 mm) from its original position. The displacement shall be measured 1 minutes after the test load has been removed.
- c) During the installation, the tab mounting means are to be used and set up in accordance with the instructions; and
- d) The load is to be maintained for 5 minutes.

5. Revision of Ceiling Fan Blade Edge Requirements

90.2.3 The leading and trailing edges of the blades mentioned in 90.2.1 and Table 90.1 shall be smooth and have a full radius well-rounded with no projections.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Add new reference standard UL 62368-1 for secondary circuits

Table SC1.2
Comparison of secondary circuits

Electrical Characteristics and Risk Assessment of Secondary Circuits									
Circuit Name	Class 2, LPS			Limited voltage	Limited energy	LVLE (Limited Voltage Limited Energy)	Protective impedance		SELV (Safety extra-low voltage)
Section within document	SC1.3.1			SC1.3.2	SC1.3.3	SC1.3.4	SC1.3.5.1	SC1.3.5.1 and SC1.3.5.3	SC1.3.6
Parameters									
Derived directly from component evaluated to standard	UL 5085-3 or UL 1310: Class 2, or UL 60950-1 or <u>UL 62368-1</u> : LPS			UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1, or <u>UL 62368-1</u>	UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1, or <u>UL 62368-1</u>	UL 5085-1, UL 5085-2, UL 5085-3, UL 1310, UL 1411, or UL 60950-1, or <u>UL 62368-1</u>	N/A	N/A	UL 60950-1, <u>UL 62368-1</u> , or 60730-1
Requires isolating transformer or equivalent	Yes			Yes	Yes	Yes	No	No	Yes
Maximum available voltage, Vac/dc (Vpeak)	0 - 20	over 20 to 30	over 30 to 60, dc only	30 ac (42.4)/60 dc	Over 30 to 100 ac	30 ac (42.4)/60 dc	N/A	See 8.1.1	30 ac (42.4)/60 dc

Maximum available current, A	8	8	150/Vma x	N/A	N/A	N/A	N/A	See 8.1.2	N/A
Maximum rated current, A	5	100/Vma x	100/Vma x	N/A	N/A	N/A	N/A	N/A	N/A
Maximum rated power, VA	5 x Vma x	5 x Vmax	100	100	N/A	N/A	N/A	N/A	N/A
Maximum available power, VA	250 ^a	250 ^a	N/A	N/A	200	200	15 watts	15 watts	N/A
Risk of electric shock exists?	No			No	Yes	No	Yes	No	No
Risk of fire exists?	Yes			Yes	Yes	Yes	No	No	Yes
^a Non-inherently limited.									

SC1.3.1.2 A Limited Power Source (LPS) circuit shall be supplied by an isolating source that complies with the requirements in the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1.

SC1.3.6.2 A safety extra-low voltage circuit shall comply with the requirements in the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, or the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, for a safety extra-low voltage (SELV) power supply.

2. Add new reference standard UL 62368-1 for secondary circuits

25.1.5 An electric motor shall comply with the Standard for Rotating Electrical Machines - General Requirements, UL 1004-1, except as noted below:

- The Current and Horsepower Relation, Cord-Connected Motors, Factory Wiring Terminals and Leads and Non-Metallic Functional Parts sections of UL 1004-1 are not applicable.
- A solid-state control that complies with the ~~Standard for Solid-State Controls for Appliances, UL 244A or the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1; and the Standard for Automatic Electrical Controls for Household and Similar Use, Part 2: Particular Requirements for Timers and Time Switches, UL 60730-2-7,~~ and/or the applicable Part 2 standard from the UL 60730 series, is considered to fulfill the Motors Provided With Controls requirements of UL 1004-1.
- See 10.1.12 for the applicability of the Frame and Enclosure (nonmetallic) requirements of UL 1004-1.

- d) Metal enclosure requirements of UL 1004-1 are superseded by the requirements of Electrical and Fire Enclosures, Section 10.
- e) Grounding requirements of UL 1004-1 are superseded by the requirements of Grounding, Section 24.
- f) The Ventilation Opening requirements of UL 1004-1 are only applicable where the openings are on surfaces considered to be the appliance enclosure.
- g) The Accessibility of Uninsulated Live Parts, Film-Coated Wire, and Moving Parts requirements of UL 1004-1 is superseded by Section 15.
- h) The Protection Against Corrosion requirements of UL 1004-1 are superseded by Section 14.
- i) The available fault current ratings for motor start and running capacitors specified in UL 1004-1 are not applicable to cord and plug connected pumps.
- j) The Switches section of UL 1004-1 is not applicable to centrifugal starting switches.
- k) With the exception of the Resilient Mounting and Electrolytic Capacitor Tests, the performance tests of UL 1004-1 are not applicable.
- l) The marking requirements of Section 43 of UL 1004-1 are not applicable except for Manufacturer's name or identification; Rated voltage; Rated frequency, if greater than 1, number of phases; and a multi-speed motor, other than a shaded-pole or a permanent-split-capacitor motor, shall be marked with the amperes and horsepower at each speed.

SC1.3.3.3 A circuit evaluated for ~~limited energy~~ low power circuit to the Standard for Solid-State Controls for Appliances, UL 244A, or the Standard for Temperature Indicating and Regulating Equipment, UL 873 Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, and/or the applicable Part 2 standard from the UL 60730 series, is considered to fulfill the requirements of SC1.3.3.1 and SC1.3.3.2.

SC1.3.5.8 A protective impedance complying with the applicable requirements of the Standard for Solid-State Controls for Appliances, UL 244A Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1, fulfills the requirements of SC1.3.5.1 - SC1.3.5.5.

3. Add new reference standard UL 62368-1 for secondary circuits

41.1.1 A pump shall withstand for 7 minute without electrical breakdown the application of a 60-hertz, ~~essentially sinusoidal DC potential or an AC potential~~ at a frequency within the range of 40 to 70 Hz:

- a) Between live parts and grounded dead metal and
- b) Between the terminals of a capacitor used for radio interference elimination or arc suppression. The test potential shall be as follows shown in Table 41.1:
 - 1) ~~One thousand volts for a nonsubmersible pump rated no more than 250 volts, and no more than 1/2 horsepower (373 watt output).~~
 - 2) ~~One thousand volts plus twice the rated voltage for a nonsubmersible pump rated more than 250 volts, or more than 1/2 horsepower.~~
 - 3) ~~One thousand volts plus twice the rated voltage for a submersible pump.~~

Table 41.1
Dielectric voltage withstand voltages

<u>Machine voltage rating, V</u>	<u>Test potential V AC</u>	<u>Test potential V DC</u>
<u>A nonsubmersible pump rated no more than 250 volts, and no more than 1/2 horsepower (373 watt output)</u>	<u>1000</u>	<u>1400</u>
<u>A nonsubmersible pump rated more than 250 volts, or more</u>	<u>1000 + 2V^a</u>	<u>1400 + 2.8V^a</u>

than 1/2 horsepower		
A submersible pump	$1000 + 2V^a$	$1400 + 2.8V^a$
^a Maximum marked voltage.		

41.2.1 Secondary circuits shall withstand for 60 seconds without electrical breakdown the application of a test potential in accordance with 41.2.2:

- a) Between primary and secondary circuits,
- b) Between secondary circuits and grounded metal with all frame-connected components in place, and
- c) Between secondary circuits supplied from separate transformer windings with common connections disconnected and frame connections in place.

The pump is to be at its maximum normal operating temperature during the test. A 60-hertz ~~essentially sinusoidal voltage~~ DC potential or an AC potential at a frequency within the range of 40 to 70 Hz is to be used for testing ~~alternating-current circuits~~.

41.2.2 The test potential for a secondary circuit ~~is to be~~ shall be as shown in Table 41.2:

- a) ~~One thousand volts plus twice the operating voltage if the secondary operates at 251–600 volts.~~
- b) ~~One thousand volts if the secondary operates at 51–250 volts.~~
- c) ~~Five hundred volts if the secondary operates at 50 volts or less.~~

Table 41.2
Dielectric voltage withstand voltages for Secondary circuits

<u>Machine voltage rating, V</u>	<u>Test potential V AC</u>	<u>Test potential V DC</u>
<u>A secondary circuit operates at 50 volts or less</u>	<u>500</u>	<u>700</u>
<u>A secondary circuit operates at 51–250 volts</u>	<u>1000</u>	<u>1400</u>
<u>A secondary circuit operates at 251 - 600 volts</u>	<u>$1000 + 2V^a$</u>	<u>$1400 + 2.8V^a$</u>
^a <u>Maximum operating voltage</u>		

55.1 Each pump shall withstand without electrical breakdown, as a routine production-line test, the application of a DC potential or an AC potential at a frequency within the range of 40 - 70 hertz:

- a) Between the primary wiring, including connected components, and accessible dead-metal parts that are likely to become energized and
- b) Between primary wiring and accessible low-voltage metal parts, including terminals.

Table 55.1
Production-line test conditions

<u>Appliance rating and form</u>	<u>Condition A</u>			<u>Condition B</u>		
	<u>Test Potential, volts V AC</u>	<u>Test Potential V DC</u>	<u>Time, seconds</u>	<u>Test Potential, volts V AC</u>	<u>Test Potential V DC</u>	<u>Time, seconds</u>

105 - 130 volts, with or without a motor rated 1/2 horsepower (373 W output) or less	1000	<u>1400</u>	60	1200	<u>1700</u>	1
105 - 130 volts with motor rated more than 1/2 horsepower (373 W output)	$1000 + 2V^a$	$\frac{1400 + 2.8V^a}{2.8V^a}$	60	$1200 + 2.4V^a$	$\frac{1700 + 3.4V^a}{3.4V^a}$	1
210 - 600 volts	$1000 + 2V^b$	$\frac{1400 + 2.8V^b}{2.8V^b}$	60	$1200 + 2.4V^b$	$\frac{1700 + 3.4V^b}{3.4V^b}$	1
^a Maximum marked voltage but no less than 120 volts.						
^b Maximum marked voltage but no less than 240 volts.						

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BSR/UL 8750, Standard for Light Emitting Diode (LED) Equipment For Use In Lighting Products

10. Insulation systems of insulating transformers interacting with NIM (Non-Electrical Insulating Material)

PROPOSAL

6.7 Potting compound

6.7.1 Potting compound shall not leak, drip, or be released from a unit during any test conducted in accordance with this standard.

6.7.2 During the Temperature Test of 8.3, a potting compound shall comply with (a) or (b) as applicable:

a) Unless the material is thermosetting, a polymeric potting compound shall not exceed its Relative Thermal Index (RTI).

Exception No. 1: A thermoplastic polymeric potting compound may be used if the maximum potting compound temperature doesn't exceed 90°C (194°F) during the Temperature Test of 8.3.

Exception No. 2: A thermoplastic polymeric potting compound may be used if the maximum potting compound temperature is at least 15°C (27°F) less than the softening point of the compound as determined by the Standard Test Methods for Softening Point of Resins Derived from Pine Chemicals and Hydrocarbons, by Ring-and-Ball Apparatus, ASTM E28.

Exception No. 3: A thermoplastic polymeric potting compound may be used if the maximum potting compound temperature is at least 25°C (77°F) less than the softening point of the compound as determined by the Standard Test Methods for Vicat Softening Temperature of Plastics, ASTM D1525.

b) An asphalt potting compound shall remain at least 15°C (27°F) below its softening point as determined by the Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus), ASTM D36/D36M.

c) Potting compound, resin, asphalt, encapsulant or any other material dispensed inside the enclosure of a unit in one aggregation status that it is not solid and can touch any part of the insulation system of a transformer shall be tested in accordance with Supplement SA - Substitutions or Modification to an Electrical Insulation System in the Standard for Systems of Insulating Materials - General, UL 1446.

Exception No. 1: This test does not apply if the transformer is not used for the mitigation of the risk of electric shock or is not used to separate Class 2 circuits or LVLE circuits from hazardous circuits.

Exception No. 2: This test does not apply if the transformer insulation system already includes the potting.

Exception No. 3: This test does not apply if the insulation system is used up to the at temperature ~~with respect to~~ permitted for class 105 (A) according to Table 8.1 of this standard.

Exception No. 4: This test does not apply to the use of asphalt if a physical tape barrier is utilized to separate from the transformer coils.

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