ANSI STANDARDS ACTION

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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

ISSN 0038-9633

Comment Deadline: October 28, 2018

AWWA (American Water Works Association)

Supplement

BSR/AWWA D115a-201x, Addendum to D115-17, Tendon-Prestressed Concrete Water Tanks (supplement to ANSI/AWWA D115 -2017)

This addendum describes new requirements for prestressed and nonprestressed steel reinforcement for tendon-type prestressed concrete water storage tanks.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Paul Olson, (303) 347-6178, polson@awwa.org; vdavid@awwa.org

NECA (National Electrical Contractors Association)

New Standard

BSR/NECA 417-201X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (new standard)

This Standard applies to microgrids and provides recommended practices for their design, installation, commissioning, operation, and maintenance.

Click here to view these changes in full

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

NSF (NSF International)

Revision

BSR/NSF 3-201x (i14r3), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2017)

This Standard applies to commercial dishwashing, glasswashing, and pot, pan, and utensil washing machines that wash their contents by applying sprays of detergent solutions with or without blasting media granules, and sanitize their contents by applying sprays of hot water or chemical sanitizing solutions. Stationary rack and conveyor machines are covered under this Standard.

Click here to view these changes in full

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

BSR/NSF 8-201x (i16r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)

Equipment covered by this Standard includes, but is not limited to, coffee grinders, grinders, mixers, pasta makers, peelers, saws, slicers, tenderizers, and similar equipment.

Click here to view these changes in full

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

BSR/NSF 21-201x (i7r1), Thermoplastic Refuse Containers (revision of ANSI/NSF 21-2015)

This Standard contains sanitation requirements for new thermoplastic refuse containers intended for the indoor and outdoor storage of refuse.

Click here to view these changes in full

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

RVIA (Recreational Vehicle Industry Association)

New Standard

BSR/RVIA EXTLAD-1-201x, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (new standard)

The purpose of this recommended practice, laboratory test procedures, is to provide minimum safety criteria, through uniform testing, of exterior ladders by the ladder manufacturers and by the recreational vehicle manufacturers for exterior ladders as installed and used on recreational vehicles.

Click here to view these changes in full

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

TCNA (ASC A108) (Tile Council of North America)

Revision

BSR A108.01-201x, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2016)

This specification is intended to describe the general requirements for substrates and subsurfaces and general guidelines for preparation by other trades as it relates to the installation of ceramic tile.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

BSR A108.02-201x, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2016)

This standard outlines the requirements for delivery, storage and handling of materials at the jobsite. Also included are requirements for the installer to inspect the site prior to installation of the tile and preparation of the floor, curing the mortar bed, etc., prior to installing tile. This is the section that contains the requirements for acceptable workmanship such as consistent width of grout joints, acceptable lippage, and the types of things that are under control of the installer.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

BSR A108.11-201x, Interior Installation of Cementitious Backer Units (revision of ANSI A108.11-2010 (R2016))

This standard describes the specifications for interior installation of cementitious backer units.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

BSR A137.1-201x, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2017)

These specifications serve as a reference standard for buyers and specifiers of standard-grade and second-grade ceramic tile, decorative tile, and specialty tile. These specifications are also a guide to producers in maintaining quality control of the manufacture of such ceramic tile.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

UL (Underwriters Laboratories, Inc.)

New National Adoption

BSR/UL 60745-1-201x, Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 1: General Requirements (national adoption of IEC 60745-1 with modifications and revision of ANSI/UL 60745-1-2013)

This proposal for UL 60745-1 covers: (1) Proposed addition of national differences to clause K.18.1 to align abnormal testing requirements with the inherent system protections of electronically commutated motors.

Click here to view these changes in full

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

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 514C-201X, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2014)

(1) New exception to construction requirements for boxes and covers intended for use with rigid nonmetallic conduit.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Joshua Johnson, (919) 549-1053, Joshua.Johnson@ul.com

BSR/UL 1561-201x, Standard for Safety for Dry-Type General Purpose and Power Transformers (revision of ANSI/UL 1561-2015)

(1) Proposal to add cooper bus bar requirements.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

BSR/UL 1581-201X, Standard for Safety for Reference Standard for Electrical Wires, Cables, and Flexible Cords (revision of ANSI/UL 1581-2017)

Addition of EVA Requirements, Revised Table 47.1, New Tables 50.246 and 50.247.

Click here to view these changes in full

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

BSR/UL 2560-201x, Standard for Safety for Emergency Call Systems for Assisted Living and Independent Living Facilities (revision of ANSI/UL 2560-2015)

(1) Proposal to add alternate standard as option to UL 60950.

Click here to view these changes in full

Send comments (with copy to psa@ansi.org) to: Megan Monsen, (847) 664-1292, megan.monsen@ul.com

Comment Deadline: November 12, 2018

AAFS (American Academy of Forensic Sciences)

New Standard

BSR/ASB Std 018-201x, Validation Standards for Probabilistic Genotyping Systems (new standard)

This standard shall be used by laboratories for the validation of probabilistic genotyping systems related to interpreting autosomal STR results. Amelogenin is not covered by this standard. Laboratories should review validation for compliance with this standard, supplement validation where necessary, and modify existing protocols accordingly.

Single copy price: Free

Obtain an electronic copy from: http://asb.aafs.org/

Document will be provided electronically on AAFS Standards Board website free of charge.

Send comments (with copy to psa@ansi.org) to: asb@aafs.org. This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: https://asb.aafs.org/notification-of-standard-development-and-coordination/.

BSR/ASB Std 031-201x, Guidelines for Report Writing in Bloodstain Pattern Analysis (new standard)

This document provides guidelines for report writing in bloodstain pattern analysis (BPA). In addition, guidance is provided regarding statements to be avoided in the report.

Single copy price: Free

Document and comments template can be viewed on the AAFS Standards Board website at: https://asb.aafs.org/notification-of-standard-development-and-coordination/

Document will be provided electronically on AAFS Standards Board free of charge

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

AAMI (Association for the Advancement of Medical Instrumentation)

Addenda

BSR/AAMI/IEC 62366-1, Amendment 1-201x, Medical devices - Part 1: Application of usability engineering to medical devices - Amendment 1 (addenda to ANSI/AAMI/IEC 62366-1-2015)

Corrects identified inaccuracies in ANSI/AAMI/IEC 62366-1:2015 while making no fundamental changes to the usability engineering process as originally conceived in that document.

Single copy price: Free

Obtain an electronic copy from: https://standards.aami.org/higherlogic/ws/public/document?document_id=14975&wg_id=PUBLIC_REV

Send comments (with copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ADA (American Dental Association)

Revision

BSR/ADA Standard No. 2000.2-201x, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.1-2017)

SNODENT provides a standardized oral health terminology for the recording of clinical detail and patient characteristics to provide consistent retrieval, transmission, and analysis of data across healthcare systems and interoperability with electronic dental records.

Single copy price: Free

Obtain an electronic copy from: bralowerp@ada.org

Order from: Paul Bralower, (312) 587-4129, bralowerp@ada.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASAE S279.18 MONYEAR-201x, Lighting and Marking of Agricultural Equipment on Highways (revision and redesignation of ANSI/ASAE S279.17-2013 (R2017))

This Standard provides specifications for lighting and marking of agricultural equipment whenever such equipment is operating or is traveling on a highway.

Single copy price: $65.00

Obtain an electronic copy from: vangilder@asabe.org

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

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

ASCE (American Society of Civil Engineers)

New Standard

BSR/ASCE EWRI 33-201x, Comprehensive Transboundary International Water Quality Management (new standard)

The parties should carefully frame the extent of the water resources involved in the agreement. The agreement should identify the type and geographical extent of the waters subject to the agreement. To be accurate, an analysis should examine factors that influence the availability of water, such as the following: the climatology, physiology, geology, and the interaction between underground and surface water resources. The analysis should also identify pollution sources and their impacts on basin water quality.

Single copy price: Free

Obtain an electronic copy from: jneckel@asce.org

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

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

New Standard

BSR/ASHRAE Standard 218-201x, Method of Test for Lubricant and Refrigerant Miscibility Determination (new standard)

ASHRAE Standard 218-201x establishes a test procedure to determine the critical solution locus of miscible properties of a lubricant and refrigerant mixture.

Single copy price: $35.00

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

Order from: standards.section@ashrae.org

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

ASTM (ASTM International)

Revision

BSR/ASTM F400-201x, Consumer Safety Specification for Lighters (revision of ANSI/ASTM F400-2010)

http://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: cleonard@astm.org

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

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

AWS (American Welding Society)

New Standard

BSR/AWS C3.2M/C3.2-201X, Standard Method for Evaluating the Strength of Brazed Joints (new standard)

This standard describes the test methods used to obtain brazed strength data of the short-time testing of single-lap joints in shear, butt-tension, stress-rupture, creep-strength, four-point-bending, and ceramic-tensile button specimens. Specimen preparation methods, brazing procedures, testing techniques, and methods for data analysis are detailed. Sample forms for recording data are presented. A graphical method of data presentation relates shear stress to overlap distance.

Single copy price: $36.00

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger, (305) 443-9353, kbulger@aws.org

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

BSR/AWS C4.7/C4.7M-201x, Recommended Practices for Oxyfuel Gas Welding of Steel (new standard)

These recommended practices for oxyacetylene welding include the latest procedures to be used in conjunction with oxyacetylene equipment and the latest safety recommendations. Complete lists of equipment are available from individual manufacturers.

Single copy price: $25.00

Obtain an electronic copy from: jrosario@aws.org

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

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

CTA (Consumer Technology Association)

Withdrawal

ANSI/CEA 775-C-2008 (R2013), DTV 1394 Interface Specification (withdrawal of ANSI/CEA 775-C-2008 (R2013))

CTA-775-C defines mechanisms to allow a source of MPEG service, such as a cable or terrestrial set-top box, digital VCR, or DTV to utilize the MPEG decoding and display capabilities in a DTV. A method is included to allow the OSD Producer to supply bitmap graphic overlays for blending and composition in the DTV over decoded video.

Single copy price: Free

Obtain an electronic copy from: standards@cta.,tech

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

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

ANSI/CEA 775-2-A-2008 (R2013), Service Selection Information for Digital Storage Media Interoperability (withdrawal of ANSI/CEA 775-2-A-2008 (R2013))

CEA-775-C standardizes the IEEE 1394 High Performance Serial Bus interface for the Digital Television (DTV) receiver. A digital storage device such as a D-VHS or hard disk digital recorder may be used by the DTV or by another source device such as a cable set-top box to record or time-shift digital television signals.

Single copy price: Free

Obtain an electronic copy from: standards@cta.,tech

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

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

ANSI/CEA 849-B-2008 (R2013), Application Profiles for CEA-775 Compliant DTVs (withdrawal of ANSI/CEA 849-B-2008 (R2013))

This standard defines transport and content coding formats a compliant DTV shall support in order to inter-operate with various digital audio and video sources. A DTV compliant with this standard shall also comply with the requirements of CEA 775-C.

Single copy price: Free

Obtain an electronic copy from: standards@cta.,tech

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

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

Home Innovation (Home Innovation Research Labs)

Revision

BSR/ICC/ASHRAE-700-201x, National Green Building Standard (revision of ANSI/ICC/ASHRAE-700-2015)

The provisions of this Standard shall apply to the design, construction, alteration, enlargement, and renovation of (1) all residential buildings, (2) residential portions of mixed-use buildings, or (3) mixed-use buildings where the residential portion is greater than 50 percent of the gross floor area. This Standard shall also apply to subdivisions, building sites, building lots, and accessory structures. For the purpose of this standard, all Group R occupancies as defined by the International Building Code and all buildings within the scope of the International Residential Code shall be considered residential. Assisted living facilities, residential board and care facilities, and group homes classified as an I-1 occupancy as defined by the International Building Code shall also be considered residential.

Single copy price: Free download

Obtain an electronic copy from: www.homeinnovation.com/ngbs

Send comments (with copy to psa@ansi.org) to: www.homeinnovation.com/ngbs

NEMA (National Electrical Manufacturers Association)

Revision

BSR/NEMA MW 1000-201x, Magnet Wire (revision and redesignation of ANSI/NEMA MW 1000-2016)

MW 1000 presents in concise and convenient form all existing NEMA standards for round, rectangular, and square film-insulated and/or fibrous-covered copper and aluminum magnet wire for use in electrical apparatus. Included are the definitions, type designations, dimensions, constructions, performance, and test methods for magnet wire generally used in the winding of coils for electrical apparatus.

Single copy price: $165.00

Order from: NEMA

Send comments (with copy to psa@ansi.org) to: mike.leibowitz@nema.org

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

New National Adoption

BSR/RESNA WC-1-201x, RESNA Standard for Wheelchairs - Volume 1: Requirements and Test Methods for Wheelchairs (including Scooters) (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC-1-2009)

The existing RESNA WC- 1 standard needs to be revised to remain as harmonized as possible with existing ISO 7176 test methods and to remain current with existing wheelchair technologies and to provide more comparable results between test laboratories. This standard applies to manual and powered wheelchairs, including scooters, and accessories for wheelchairs and scooters. It specifies test methods or methods of measurement for: static stability; wheelchair and seat dimensions; static, impact and fatigue strength testing; flammability requirements; vocabulary; test dummy specifications; set-up procedures; and disclosure requirements for testing.

Single copy price: $900.00

Obtain an electronic copy from: ymeding@resna.org

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

BSR/RESNA WC-2-201x, RESNA Standard for Wheelchairs - Volume 2: Additional Requirements for Wheelchairs (including Scooters) with Electrical Systems (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC-2-2009)

This standard applies to manual and powered wheelchairs, including scooters, and accessories for wheelchairs and scooters. It specifies test methods for measurement of: dynamic stability; brake effectiveness; energy consumption; maximum speed, acceleration and deceleration; obstacle climbing ability; climatic testing; power and control system testing; batteries and chargers; and electromagnetic compatibility requirements. The existing RESNA WC-2 standard needs to be revised to remain as harmonized as possible with existing ISO 7176 test methods and to remain current with existing wheelchair technologies and to provide more comparable results between test laboratories.

Single copy price: $500.00

Obtain an electronic copy from: ymeding@resna.org

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

RESNET (Residential Energy Services Network, Inc.)

Revision

BSR/RESNET/ICC 301-201x, Standard for the Calculation and Labeling of the Energy Performance of Dwelling and Sleeping Units using an Energy Rating Index (revision of ANSI/RESNET/ICC 301-2014)

Standard ANSI/RESNET/ICC 301-2014 is being revised as an updated edition with expanded scope and title. The standard will provide procedures for determining Energy Ratings for Dwelling Units and Sleeping Units in Residential or Commercial Buildings, except hotels and motels. The updated standard will incorporate all approved addenda to Standard ANSI/RESNET/ICC 301-2014 and additional revisions developed through this project.

Single copy price: $55.00

An electronic copy of the amendment can be downloaded from the RESNET website by following the links from web page http://www.resnet.us/blog/resnet-consensus-standards/

Order from: Rick Dixon, Standards Manager, RESNET, P.O. Box 4561, Oceanside, CA 92052

Send comments (with copy to psa@ansi.org) to: Comments are submitted via RESNET's online comment form. See the links from webpage: http://www.resnet.us/blog/resnet-consensus-standards/

SPRI (Single Ply Roofing Industry)

New Standard

BSR/MCA FTS-1-201x, Test Method for Structural Performance of Flashings Used with Metal Roof Systems (new standard)

This standard provides a method to evaluate the structural performance of flashings associated with metal roof and wall systems by applying line loads to the flashing attached to supporting material.

Single copy price: Free

Obtain an electronic copy from: Linda King, info@spri.org

Order from: Linda King, (781) 647-7026, info@spri.org

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

TAPPI (Technical Association of the Pulp and Paper Industry)

Reaffirmation

BSR/TAPPI T 812 om-2013 (R201x), Ply separation of solid and corrugated fiberboard (wet) (reaffirmation of ANSI/TAPPI T 812 om -2013)

This method describes a laboratory test for evaluating the resistance to ply separation of solid or corrugated fiberboard after exposure to water. It is intended primarily to distinguish between boards fabricated with weather-resistant adhesives and those with nonweather-resistant adhesives.

Single copy price: Free

Obtain an electronic copy from: standards@tappi.org

Order from: Priscila Briggs, (770) 209-7249, standards@tappi.org

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

TCNA (ASC A108) (Tile Council of North America)

New Standard

BSR A108.18-201x, Un-Mounted Glass Tile Installation (new standard)

This specification described the minimum requirements for the installation of un-mounted glass tile over concrete, cured portland cement mortar beds, cementitious backer units (CBU), fiber-cement underlayment, and gypsum board using the thin-bed method.

Single copy price: $15.00

Obtain an electronic copy from: ksimpson@tileusa.com

Send comments (with copy to psa@ansi.org) to: Katelyn Simpson, (864) 646-8453, KSimpson@tileusa.com

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 1004-8-2009 (R201x), Standard for Safety for Inverter Duty Motors (reaffirmation of ANSI/UL 1004-8-2009 (R2014))

UL is proposing to reaffirm the ANSI approval of UL 1004-8, Inverter Duty Motors. No new revisions are being proposed. UL 1004-8 covers squirrel cage polyphase induction motors intended for use with variable voltage and variable frequency controls, commonly referred to as inverters.

Single copy price: Free

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

Send comments (with copy to psa@ansi.org) to: Jonette Herman, (919) 549-1479, Jonette.A.Herman@ul.com

Comment Deadline: November 27, 2018

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

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

Withdrawal

INCITS 340-2000 [R2015], Information technology AT Attachment with Packet Interface - 5 (withdrawal of INCITS 340-2000 [R2015])

Specifies the AT Attachment Interface between host systems and storage devices. It provides a common attachment interface for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices. The application environment for the AT Attachment Interface is any host system that has storage devices contained within the processor enclosure. This standard defines the connectors and cables for physical interconnection between host and storage device, as well as the electrical and logical characteristics of the interconnecting signals. It also defines the operational registers within the storage device, and the commands and protocols for the operation of the storage device.

Single copy price: $60.00

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

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

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

INCITS 370-2004 [R2014], Information technology - ATA/ATAPI Host Adapters Standard (ATA - Adapter) (withdrawal of INCITS 370 -2004 [R2014])

Specifies the AT Attachment Interface between host systems using Automatic Direct Memory Access (ADMA) and storage devices. It provides a common link layer interface for systems manufacturers, system integrators, and software suppliers. The application environment for the AT Attachment Interface is any host system that has a PCI bus and storage devices contained within the processor enclosure. This standard maintains a high degree of compatibility with the ATA/ATAPI-6, INCITS 361-2002, and while specifying link-layer register definitions and usage information, is not intended to require changes to presently installed devices.

Single copy price: $60.00

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

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

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

INCITS 397-2005 [R2015], Information technology - AT Attachment with Packet Interface - 7 (ATA/ATAPI-7) (withdrawal of INCITS 397-2005 [R2010])

This standard specifies the AT Attachment Interface between host systems and storage devices. It provides a common attachment interface for systems manufacturers, system integrators, software suppliers, and suppliers of intelligent storage devices.

Single copy price: $60.00

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

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

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject.

Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to the PSA Center, American National Standards Institute, 25 West 43rd Street, New York, NY 10036 or E-Mail to psa@ansi.org.

Comment Deadline: October 28, 2018

NASBLA (National Association of State Boating Law Administrators)

ESP TR 101-2018, Technical Report - Basic Boating Knowledge - Human-Propelled (technical report)

Technical Report - Basic Boating Knowledge - Human-Propelled was developed by the National Boating Education Standards Panel to advance use and common understanding of American National Standards for Basic Boating Knowledge. This Technical Report supports the American National Standard (ANS) titled ANSI/NASBLA 101-2017: Basic Boating Knowledge - Human-Propelled, which was formulated through voluntary consensus of representatives of federal and state government, industry, non-profit organizations, and public sectors. The purpose of this Technical Report is to provide information that helps design and implement successful education and training programs for recreational human-propelled boats.

Single copy price: Free of charge for electronic copies (free download)

Order from: Pamela Dillon, (859) 225-9487, pam@nasbla.org

Send comments (with copy to psa@ansi.org) to: Pamela Dillon, (859) 225-9487, pam@nasbla.org

Projects Withdrawn from Consideration

An accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

TUV-R (TUV Rheinland of North America Photovoltaic Testing Laboratory)

BSR/TUV-R 70730-01-201x, Photovoltaic (PV) Modules Under the Effects of Inhomogeneous Snow Loads - Design Qualification and Type Approval (new standard)

Inquiries may be directed to Jerome Novacek, (480) 966-1700, jnovacek@us.tuv.com

UL (Underwriters Laboratories, Inc.)

BSR/UL 962A-201x, Standard for Safety for Furniture Power Distribution Units (revision of ANSI/UL 962A-2018)

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.

CTA (Consumer Technology Association)

Office: 1919 South Eads Street
Arlington, VA 22202

Contact: *Veronica Lancaster*

Phone: (703) 907-7697

E-mail: vlancaster@cta.tech

ANSI/CEA 775-C-2008 (R2013), DTV 1394 Interface Specification (withdrawal of ANSI/CEA 775-C-2008 (R2013))

ANSI/CEA 775-2-A-2008 (R2013), Service Selection Information for Digital Storage Media Interoperability (withdrawal of ANSI/CEA 775-2-A-2008 (R2013))

ANSI/CEA 849-B-2008 (R2013), Application Profiles for CEA-775 Compliant DTVs (withdrawal of ANSI/CEA 849-B-2008 (R2013))

EOS/ESD (ESD Association, Inc.)

Office: 7900 Turin Rd., Bldg. 3
Rome, NY 13440

Contact: *Christina Earl*

Phone: (315) 339-6937

E-mail: cearl@esda.org

BSR/ESD S20.20-201x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20 -2014)

BSR/ESD S541-201x, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Packaging Materials (revision of ANSI/ESD S541-2018)

HI (Hydraulic Institute)

Office: 6 Campus Drive
Parsippany, NJ 07054

Contact: *Denielle Giordano*

Phone: (973) 267-9700 EXT 115

E-mail: dgiordano@pumps.org

BSR/HI 9.1-9.5-201x, Pumps - General Guidelines (revision of ANSI/HI 9.1-9.5-2015)

BSR/HI 14.5.2-201x, Guideline for Fundamentals of Installation and Start-Up of Rotodynamic Pumps (new standard)

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

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

Contact: *Deborah Spittle*

Phone: (202) 737-8888

E-mail: comments@standards.incits.org

INCITS 340-2000 [R2015], Information technology AT Attachment with Packet Interface - 5 (withdrawal of INCITS 340-2000 [R2015])

INCITS 370-2004 [R2014], Information technology - ATA/ATAPI Host Adapters Standard (ATA - Adapter) (withdrawal of INCITS 370-2004 [R2014])

INCITS 397-2005 [R2015], Information technology - AT Attachment with Packet Interface - 7 (ATA/ATAPI-7) (withdrawal of INCITS 397-2005 [R2010])

INCITS 564-201x, Information technology - Remote Direct Memory Access over Fibre Channel (FC-RDMA) (new standard)

NECA (National Electrical Contractors Association)

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

Contact: *Aga Golriz*

Phone: (301) 215-4549

E-mail: Aga.golriz@necanet.org

BSR/NECA 417-201X, Recommended Practice for Designing, Installing, Operating, and Maintaining Microgrids (new standard)

NEMA (National Electrical Manufacturers Association)

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

Contact: *Michael Leibowitz*

Phone: (703) 841-3264

E-mail: mike_leibowitz@nema.org

BSR/NEMA MW 1000-201x, Magnet Wire (revision and redesignation of ANSI/NEMA MW 1000-2016)

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 3-201x (i14r3), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2017)

BSR/NSF 8-201x (i16r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)

BSR/NSF 21-201x (i7r1), Thermoplastic Refuse Containers (revision of ANSI/NSF 21-2015)

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

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

Contact: *Yvonne Meding*

Phone: (703) 524-6686

E-mail: YMeding@resna.org

BSR/RESNA WC-1-201x, RESNA Standard for Wheelchairs - Volume 1: Requirements and Test Methods for Wheelchairs (including Scooters) (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC-1-2009)

BSR/RESNA WC-2-201x, RESNA Standard for Wheelchairs - Volume 2: Additional Requirements for Wheelchairs (including Scooters) with Electrical Systems (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC-2-2009)

TAPPI (Technical Association of the Pulp and Paper Industry)

Office: 15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092

Contact: *Priscila Briggs*

Phone: (770) 209-7249

E-mail: standards@tappi.org

BSR/TAPPI T 825 om-2014 (R201x), Flat crush test of corrugated board (rigid support method) (reaffirmation of ANSI/TAPPI T 825 om-2014)

BSR/TAPPI T 826 om-201x, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)

BSR/TAPPI T 831 om-2014 (R201x), Water absorption of corrugating medium: Water drop penetration test (reaffirmation of ANSI/TAPPI T 831 om-2014)

BSR/TAPPI T 835 om-2014 (R201x), Water absorption of corrugating medium: Water drop absorption test (reaffirmation of ANSI/TAPPI T 835 om-2014)

BSR/TAPPI T 836 om-201x, Bending stiffness, four point method (revision of ANSI/TAPPI T 836 om-2013)

BSR/TAPPI T 843 om-201x, Fluted edge crush of corrugating medium (rigid support method) (new standard)

BSR/TAPPI T 845 om-2014 (R201x), Wet pin adhesion of corrugated board by selective separation (reaffirmation of ANSI/TAPPI T 845 om -2014)

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.

AGA (ASC Z380) (American Gas Association)

Addenda

ANSI/GPTC Z380.1-2018, Addendum No. 1-2018, Guide for Transmission, Distribution and Gathering Piping Systems (addenda to ANSI/GPTC Z380.1-2018): 9/20/2018

AMCA (Air Movement and Control Association)

Revision

ANSI/AMCA 550-2018, Test Method for High Velocity Wind Driven Rain Resistant Louvers (revision of ANSI/AMCA Standard 550 -2015): 9/20/2018

APTech (ASC B65) (Association for Print Technologies)

Revision

ANSI B65/NAPIM 177.1-2018, Safety standard - Three-roll printing ink mills (revision of ANSI B65/NAPIM 177.1-2017): 9/25/2018

ASA (ASC S3) (Acoustical Society of America)

Revision

ANSI/ASA S3.6-2018, Specification for Audiometers (revision of ANSI/ASA S3.6-2010): 9/20/2018

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

ANSI/ASABE S642-SEPT2018, Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (new standard): 9/21/2018

ASME (American Society of Mechanical Engineers)

New Standard

ANSI/ASME AED-1-2018, Aerospace and Advanced Engineering Drawings (new standard): 9/25/2018

* ANSI/ASME B107.400-2018, Striking Tools (new standard): 9/20/2018

Reaffirmation

ANSI/ASME MFC-26-2018, Measurement of Gas Flow by Bellmouth Inlet Flowmeters (reaffirmation of ANSI/ASME MFC-26-2011): 9/25/2018

ANSI/ASME MFC-5.1-2011 (R2018), Measurement of Liquid Flow in Closed Conduits Using Transit Time Ultrasonic Flowmeters (reaffirmation of ANSI/ASME MFC-5.1-2011): 9/20/2018

ANSI/ASME MFC-21.2-2010 (R2018), Thermal Mass Meters - Dispersion Flowmeters (reaffirmation of ANSI/ASME MFC-21.2 -2010): 9/25/2018

Revision

ANSI/ASME PTC 19.1-2018, Test Uncertainty (revision of ANSI/ASME PTC 19.1-2013): 9/20/2018

ASTM (ASTM International)

New Standard

ANSI/ASTM F3328-2018, Practice for the One-Step (Solvent Cement Only) Method of Joining Poly(Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets (new standard): 8/21/2018

Reaffirmation

ANSI/ASTM D2564-2017 (R2018), Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems (reaffirmation of ANSI/ASTM D2564-2017): 8/21/2018

ANSI/ASTM F681-1982 (R2018), Practice for Use of Branch Connections (reaffirmation of ANSI/ASTM F681-1982 (R2014)): 9/1/2018

ANSI/ASTM F682-1982A (R2018), Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings (reaffirmation of ANSI/ASTM F682-1982A (R2014)): 9/1/2018

ANSI/ASTM F704-1981 (R2018), Practice for Selecting Bolting Lengths for Piping System Flanged Joints (reaffirmation of ANSI/ASTM F704-1981 (R2014)): 9/1/2018

ANSI/ASTM F708-1997 (R2018), Practice for Design and Installation of Rigid Pipe Hangers (reaffirmation of ANSI/ASTM F708-1997 (R2014)): 9/1/2018

ANSI/ASTM F856-1997 (R2018), Practice for Mechanical Symbols, Shipboard - Heating, Ventilation, and Air Conditioning (HVAC) (reaffirmation of ANSI/ASTM F856-1997 (R2014)): 9/1/2018

ANSI/ASTM F986-1997 (R2018), Specification for Suction Strainer Boxes (reaffirmation of ANSI/ASTM F986-1997 (R2014)): 9/1/2018

ANSI/ASTM F1006-1997 (R2018), Specification for Entrainment Separators for Use in Marine Piping Applications (reaffirmation of ANSI/ASTM F1006-1997 (R2014)): 9/1/2018

ANSI/ASTM F1030-1986 (R2018), Practice for Selection of Valve Operators (reaffirmation of ANSI/ASTM F1030-1986 (R2014)): 9/1/2018

ANSI/ASTM F1075-1997 (R2018), Specification for Dehumidifier, Shipboard, Mechanically Refrigerated, Self-Contained (reaffirmation of ANSI/ASTM F1075-1997 (R2014)): 9/1/2018

Revision

ANSI/ASTM D2513-2018, Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM D2513 -2016): 8/21/2018

ANSI/ASTM D3299-2018, Specification for Filament-Wound Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks (revision of ANSI/ASTM D3299-2010): 8/21/2018

ANSI/ASTM D4097-2018, Specification for Contact-Molded Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks (revision of ANSI/ASTM D4097-2001 (R2010)): 8/21/2018

ANSI/ASTM D4726-2018, Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (revision of ANSI/ASTM D4726-2015): 8/21/2018

ANSI/ASTM E119-2018a, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2018): 9/1/2018

ANSI/ASTM F402-2018, Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings (revision of ANSI/ASTM F402-2017): 8/21/2018

ANSI/ASTM F877-2018a, Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems (revision of ANSI/ASTM F877-2018): 8/21/2018

ANSI/ASTM F1807-2018, Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F1807-2017): 9/1/2018

ANSI/ASTM F2713-2018, Specification for Eye Protectors for Field Hockey (revision of ANSI/ASTM F2713-2014): 9/15/2018

ANSI/ASTM F2769-2018, Specification for Polyethylene of Raised Temperature (PE-RT) Plastic Hot- and Cold-Water Tubing and Distribution Systems (revision of ANSI/ASTM F2769-2016): 8/21/2018

ANSI/ASTM F2785-2018a, Specification for Polyamide 12 Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM F2785 -2018): 9/1/2018

ANSI/ASTM F2945-2018, Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM F2945 -2017): 9/1/2018

ANSI/ASTM F3253-2018, Specification for Crosslinked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems (revision of ANSI/ASTM F3253-2017): 8/21/2018

AWI (Architectural Woodwork Institute)

New Standard

ANSI/AWI 0620-2018, Finish Carpentry/Installation (new standard): 9/21/2018

AWWA (American Water Works Association)

Revision

ANSI/AWWA C502-2018, Dry-Barrel Fire Hydrants (revision of ANSI/AWWA C502-2014): 9/21/2018

ANSI/AWWA C503-2018, Wet-Barrel Fire Hydrants (revision of ANSI/AWWA C503-2014): 9/21/2018

ANSI/AWWA C105/A21.5-2018, Polyethylene Encasement for Ductile-Iron Pipe Systems (revision of ANSI/AWWA C105/A21.5-2010): 9/21/2018

CSA (CSA Group)

New Standard

ANSI/CSA C22.2 No. 339-2018, Hand-held motor-operated electric tools - Safety - Particular requirements for chain beam saws (new standard): 9/20/2018

Reaffirmation

ANSI/CSA HGV 4.8-2012 (R2018), Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8 -2012): 9/20/2018

ESTA (Entertainment Services and Technology Association)

New Standard

ANSI E1.60-2018, Guidelines for the Use of Raked Stages in Live Performance Environments (new standard): 9/20/2018

IEEE (Institute of Electrical and Electronics Engineers)

New Standard

ANSI/IEEE 1792-2017, Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (new standard): 9/13/2018

IES (Illuminating Engineering Society)

New Standard

ANSI/IES TM-33-2018, Standard Format for the Electronic Transfer of Luminaire Optical Data (new standard): 9/20/2018

Revision

ANSI/IES RP-8-2018, Recommended Practice for Design and Maintenance of Roadway and Parking Facility Lighting (revision, redesignation and consolidation of ANSI/IES RP-8-2014, ANSI/IES RP-8-2018, Add 1, ANSI/IES RP-22-2018, and ANSI/IES DG-28 -2015): 9/20/2018

ISA (International Society of Automation)

New National Adoption

ANSI/ISA 62453-1 (103.00.01)-2018, Field device tool (FDT) interface specification - Part 1: Overview and guidance (national adoption of IEC 62453-1 with modifications and revision of ANSI/ISA 62453-1 (103.00.01)-2011): 9/21/2018

ANSI/ISA 62453-2 (103.00.02)-2018, Field device tool (FDT) interface specification - Part 2: Concepts and detailed description (national adoption of IEC 62453-2 with modifications and revision of ANSI/ISA 62453-2 (103.00.02)-2011): 9/21/2018

ANSI/ISA 62453-301 (103.00.03)-2018, Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 1 (national adoption of IEC 62453-301 with modifications and revision of ANSI/ISA 62453-301 (103.00.03) -2011): 9/21/2018

ANSI/ISA 62453-302 (103.00.04)-2018, Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2 (national adoption of IEC 62453-302 with modifications and revision of ANSI/ISA 62453-302 (103.00.04) -2010): 9/21/2018

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

New Standard

INCITS 529-2018, Information technology - ATA/ATAPI Command Set - 4 (ACS-4) (new standard): 9/21/2018

NEMA (ASC C136) (National Electrical Manufacturers Association)

New Standard

ANSI C136.48-2018, Roadway and Area Lighting Equipment - Remote Monitoring and Controls (new standard): 9/25/2018

Revision

ANSI C136.2-2018, Standard for Roadway and Area Lighting Equipment - Dielectric Withstand and Electrical Transient Immunity Requirements (revision of ANSI C136.2-2015): 9/20/2018

ANSI C136.18-2018, Standard for Roadway and Area Lighting Equipment - High-Mast Side-Mounted Luminaires for Horizontal- or Vertical-Burning High-Intensity Discharge Lamps (revision of ANSI C136.18-2006 (R2010)): 9/20/2018

NEMA (ASC C8) (National Electrical Manufacturers Association)

New Standard

ANSI NEMA WC76-2018, Standard for Controlled Impedance Shielded Twisted Pairs in Internal Electrical Cable (new standard): 9/20/2018

NSF (NSF International)

Revision

ANSI/NSF 41-2018 (i9r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016): 9/23/2018

ANSI/NSF 49-2018 (i59r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016): 9/18/2018

ANSI/NSF 49-2018 (i108r4), Biosafety Cabinetry (revision of ANSI/NSF 49-2016): 9/19/2018

ANSI/NSF 350-2018 (i30r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2017): 9/12/2018

ANSI/NSF 419-2018 (i7r2), Public Drinking Water Equipment Performance - Membrane Filtration (revision of ANSI/NSF 419 -2015): 9/2/2018

TIA (Telecommunications Industry Association)

New Standard

ANSI/TIA 470.140-2018, Acoustic echo control requirements for analog telephones (new standard): 9/20/2018

Revision

ANSI/TIA 568.2-D-2018, Balanced Twisted-Pair Telecommunications Cabling and Components Standard (revision and redesignation of ANSI/TIA 568-C.2-2009): 9/20/2018

ANSI/TIA 604-18-A-2018, FOCIS 18 - Fiber Optic Connector Intermateability - Standard Type MPO-16 (revision and redesignation of ANSI/TIA 604-18-2015): 9/20/2018

UL (Underwriters Laboratories, Inc.)

New Standard

ANSI/UL 3030-2018, Standard for Safety for Unmanned Aircraft Systems (new standard): 9/18/2018

ANSI/UL 3030-2018a, Standard for Safety for Unmanned Aircraft Systems (new standard): 9/18/2018

Revision

ANSI/UL 834-2018, Standard for Safety for Heating, Water Supply, and Power Boilers - Electric (revision of ANSI/UL 834-2018): 9/24/2018

ANSI/UL 1008-2018, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2015): 9/14/2019

ANSI/UL 1008-2018a, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2015): 9/14/2018

ANSI/UL 1277-2018, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2017): 9/12/2018

ANSI/UL 1277-2018a, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2017): 9/12/2018

ANSI/UL 1998-2018, Standard for Safety for Software in Programmable Components (revision of ANSI/UL 1998-2013): 9/21/2018

ANSI/UL 1998-2018a, Standard for Safety for Software in Programmable Components (revision of ANSI/UL 1998-2013): 9/21/2018

ANSI/UL 2225-2018, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (Proposal dated 07-27 -18) (revision of ANSI/UL 2225-2017): 9/21/2018

ANSI/UL 2225-2018A, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2017): 9/21/2018

ANSI/UL 2459-2018, Standard for Safety for Insulated Multi-Pole Splicing Wire Connectors (revision of ANSI/UL 2459-2014): 9/20/2018

VC (ASC Z80) (The Vision Council)

New Standard

ANSI Z80.35-2018, Extended Depth of Focus (EDF) Lenses (new standard): 9/25/2018

Reaffirmation

ANSI Z80.7-2013 (R2018), Intraocular Lenses (reaffirmation of ANSI Z80.7-2013): 9/25/2018

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.

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 Specification No. 116-201x, Oral Rinses (identical national adoption of ISO 16408:2015 and revision of ANSI/ADA Specification No. 116-2010)

Stakeholders: Consumers, dentists, manufacturers.

Project Need: The standard must be revised to bring it into conformance with the revision of ISO 16408 of which it is an adoption.

This standard defines physical and chemical requirements and test methods for oral rinses. It also specifies the accompanying information such as manufacturer's instructions and marking and labeling requirements. This standard is for an over-the-counter consumer product and is not applicable to oral rinses available by prescription only.

ASABE (American Society of Agricultural and Biological Engineers)

Contact: Carla VanGilder, (269) 932-7015, vangilder@asabe.org
2950 Niles Road, Saint Joseph, MI 49085

Revision

BSR/ASABE S639.2 MONYEAR-201x, Safety Standard for Large Row-Crop Flail Mowers (revision and redesignation of ANSI/ASABE S639.1-SEP2017)

Stakeholders: North American farmers, manufacturers, operators.

Project Need: Normative References are outdated.

This standard specifies the safety requirements and their verification for the design and construction of large row-crop flail mowers with a cutting width larger than 3 m and used exclusively in agricultural field applications and which have the rear part that can be opened for these particular field use operations.

EOS/ESD (ESD Association, Inc.)

Contact: Christina Earl, (315) 339-6937, cearl@esda.org
7900 Turin Rd., Bldg. 3, Rome, NY 13440

Revision

BSR/ESD S20.20-201x, ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices) (revision of ANSI/ESD S20.20-2014)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: The purpose of this standard is to provide administrative and technical requirements for establishing, implementing and maintaining an ESD control program.

This document applies to activities that manufacture, process, assemble, install, package, label, service, test, inspect, transport, or otherwise handle electrical or electronic parts, assemblies, and equipment susceptible to damage by electrostatic discharges greater than or equal to 100 volts HBM, 200 volts or 125 volts CDM, and 35 volts on isolated conductors. Activities that handle items that are susceptible to lower withstand voltages may require additional control elements or adjusted limits. Processes designed to handle items that have an ESD sensitivity to lower withstand voltages can still claim compliance to this standard. This document does not apply to electrically initiated explosive devices or flammable liquids or powders.

BSR/ESD S541-201x, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Packaging Materials (revision of ANSI/ESD S541-2018)

Stakeholders: Electronics industry including telecom, consumer, medical, and industrial.

Project Need: This standard defines the packaging properties needed to protect electrostatic discharge susceptible (ESDS) electronic items through all phases of production, transport, and storage. Packaging requirements are defined to support the ESD control program requirements stated in ANSI/ESD S20.20. Test methods are referenced for the evaluation of ESD protective packaging and packaging materials. Required limits are provided.

This document applies to packaging used to store, transport, and protect ESDS electronic items during all phases of production and distribution. This document does not address protection from EMI/RFI/EMP or protection of volatile materials.

HI (Hydraulic Institute)

Contact: Denielle Giordano, (973) 267-9700 EXT 115, dgiordano@pumps.org
6 Campus Drive, Parsippany, NJ 07054

New Standard

BSR/HI 14.5.2-201x, Guideline for Fundamentals of Installation and Start-Up of Rotodynamic Pumps (new standard)

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

Project Need: To create a new ANSI/HI Standard.

Develop a guideline to aid the installers and maintenance personal on fundamentals of starting and commissioning of rotodynamic pumps.

Revision

BSR/HI 9.1-9.5-201x, Pumps - General Guidelines (revision of ANSI/HI 9.1-9.5-2015)

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

Project Need: To improve and update the existing ANSI/HI Standard with latest content.

This standard supports all industrial/commercial pumps of positive displacement and rotodynamic types. It includes types, definitions, design and application, airborne sound measurement, and decontamination.

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

Contact: Rachel Porter, (202) 737-8888, comments@standards.incits.org
1101 K Street NW, Suite 610, Washington, DC 20005

New Standard

INCITS 564-201x, Information technology - Remote Direct Memory Access over Fibre Channel (FC-RDMA) (new standard)

Stakeholders: ICT industry.

Project Need: There is no current RDMA semantics over Fibre Channel standard to address emerging technologies such as Persistent Memory.

This project recommends the development of a standard for RDMA over Fibre Channel. Included within this scope are (a) Additions as needed for development of FC_RDMA; and (b) Any other item as deemed necessary during the development.

TAPPI (Technical Association of the Pulp and Paper Industry)

Contact: Priscila Briggs, (770) 209-7249, standards@tappi.org
15 Technology Parkway South, Suite 115, Peachtree Corners, GA 30092

New Standard

BSR/TAPPI T 843 om-201x, Fluted edge crush of corrugating medium (rigid support method) (new standard)

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

Project Need: To conduct required five-year review of an existing TAPPI Standard.

This test evaluates the ability of corrugating medium to contribute to the compression strength of a corrugated box. It is a procedure for measuring the edgewise compression strength of a laboratory-fluted strip of corrugating medium in a direction parallel to the fluted tips. Fluted edge crush is also measured in TAPPI T 824 “Fluted edge crush of corrugating medium (flexible beam method)”, which uses a flexible beam compression machine instead of a rigid platen machine as used in this procedure.

Reaffirmation

BSR/TAPPI T 825 om-2014 (R201x), Flat crush test of corrugated board (rigid support method) (reaffirmation of ANSI/TAPPI T 825 om-2014)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

The flat crush test (1) is a measure of the resistance of the flutes in corrugated board to a crushing force applied perpendicular to the surface of the board under prescribed conditions. The test is satisfactory for single-faced or single-wall (double-faced) corrugated board, but not for double-wall or triple-wall corrugated board, because of lateral motion of the central facing or facings. In this method, the specimen rests on an essentially rigid support and is tested at a constant deflection rate. See TAPPI T 808 “Flat Crush Test of Corrugated Board” for the procedure in which the specimen rests on a flexing support and is tested at a constant rate of loading. The test methods do not produce similar results.

BSR/TAPPI T 831 om-2014 (R201x), Water absorption of corrugating medium: Water drop penetration test (reaffirmation of ANSI/TAPPI T 831 om-2014)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

The water absorptivity of corrugating medium is measured by dropping a drop of water on the surface of a specimen and determining the time in seconds for the drop to penetrate through the sheet and wet the lower surface. This method is applicable to corrugating medium as it is commercially produced by all processes. It is generally applicable to relatively unsized (water leaf) containerboards but may not be applicable to more highly sized boards or to grades produced in different grammage (basis weight) than those normally used in corrugating medium. Alternative methods which can be performed in the same general time period with equal repeatability do not give the same numerical results, but, in general, will rank the materials in the same order as this method.

BSR/TAPPI T 835 om-2014 (R201x), Water absorption of corrugating medium: Water drop absorption test (reaffirmation of ANSI/TAPPI T 835 om-2014)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

The water absorptivity of corrugating medium is measured by dropping a drop of water on the surface of a specimen and determining the time in seconds for the drop to be completely absorbed as evidenced by the loss of sheen. This method is applicable to corrugating medium as it is commercially produced by all processes. It is generally applicable to relatively unsized (water leaf) containerboards. It may not be applicable to more highly sized boards or to grades produced in different grammage (basis weight) than those normally used in corrugating medium. The precision and repeatability of test results are dependent on the grade and manufacturing process. Use caution when making comparisons between samples that differ significantly in basis weights or manufacturing process.

BSR/TAPPI T 845 om-2014 (R201x), Wet pin adhesion of corrugated board by selective separation (reaffirmation of ANSI/TAPPI T 845 om-2014)

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

Project Need: To conduct required five-year review of an existing TAPPI/ANSI Standard.

This method measures the force required to separate the linerboard facings from the medium in corrugated board after the board has been immersed in water for a period of time. It may be used to evaluate the water resistance properties or levels in water resistant adhesive.This procedure mirrors the process in T 821 “Pin Adhesion of corrugated board by selective separation” with differences in how samples are prepared for testing and how results are interpreted.

Revision

BSR/TAPPI T 826 om-201x, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)

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

Project Need: To revise existing TAPPI/ANSI Standard based on comments received on Draft 1 ballot.

This method describes a procedure for determining the compressive resistance of containerboard. This method is intended for containerboard having a span-to-thickness ratio of 5 or less. This is equivalent to a grammage of between approximately 100 g/m2 (20 lb/1000 ft2) and 440 g/m2 (90 lb/1000 ft2).

BSR/TAPPI T 836 om-201x, Bending stiffness, four point method (revision of ANSI/TAPPI T 836 om-2013)

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

Project Need: To revise existing TAPPI/ANSI Standard based on comments received on Draft 1 ballot.

This procedure specifies the method of determining the bending stiffness, also called flexural rigidity, in the machine and cross directions, of corrugated board using four-point loading. The procedure may also be used for solid boards and paperboard. The method is applicable to boards with a bending stiffness of 0.5 - 200 Nm (4.4 - 1770 lbf • in.).

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.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AAMI
Association for the Advancement of Medical Instrumentation
4301 N. Fairfax Drive, Suite 301
Suite 301
Arlington, VA 22203-1633
Phone: (703) 253-8274
Web: www.aami.org

ADA (Organization)
American Dental Association
211 East Chicago Avenue
Chicago, IL 60611-2678
Phone: (312) 587-4129
Web: www.ada.org

AGA (ASC Z380)
American Gas Association
400 North Capitol Street, NW
Washington, DC 20001
Phone: (202) 824-7183
Web: www.aga.org

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004-1893
Phone: (847) 704-6285
Web: www.amca.org

APTech (ASC CGATS)
Association for Print Technologies
1899 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7200
Web: www.printtechnologies.org

ASA (ASC S3)
Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (631) 390-0215
Web: www.acousticalsociety.org

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

ASCE
American Society of Civil Engineers
1801 Alexander Bell Dr
Reston, VA 20191
Phone: 703-295-6176
Web: www.asce.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
Atlanta, GA 30329
Phone: (404) 636-8400
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
New York, NY 10016-5990
Phone: (212) 591-8521
Web: www.asme.org

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

AWI
Architectural Woodwork Institute
46179 Westlake Drive, Ste 120
Potomac Falls, VA 20165
Phone: (571) 323-3636
Web: www.awinet.org

AWS
American Welding Society
Phone: (800) 443-9353 xt306
Web: www.aws.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

CSA
CSA Group
8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990
Web: www.csagroup.org

CTA
Consumer Technology Association
1919 South Eads Street
Arlington, VA 22202
Phone: (703) 907-7697
Web: www.cta.tech

EOS/ESD
ESD Association, Inc.
7900 Turin Rd., Bldg. 3
Rome, NY 13440
Phone: (315) 339-6937
Web: www.esda.org

ESTA
Entertainment Services and Technology Association
630 Ninth Avenue
Suite 609
New York, NY 10036-3748
Phone: (212) 244-1505
Web: www.esta.org

HI
Hydraulic Institute
6 Campus Drive
Parsippany, NJ 07054
Phone: (973) 267-9700 EXT 115
Web: www.pumps.org

Home Innovation
Home Innovation Research Labs
400 Prince George's Boulevard
Upper Marlboro, MD 20774-8731
Phone: (301) 430-6624
Web: www.HomeInnovation.com

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Web: www.ieee.org

IES
Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
Phone: (917) 913-0027
Web: www.ies.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

ITI (INCITS)
InterNational Committee for Information Technology Standards
1101 K Street NW
Suite 610
Washington, DC 20005
Phone: (202) 737-8888
Web: www.incits.org

NASBLA
National Association of State Boating Law Administrators
1648 McGrathiana Parkway
Suite 360
Lexington, KY 40511
Phone: (859) 225-9487
Web: www.nasbla.org

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

NEMA (ASC C136)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3277
Web: www.nema.org

NEMA (ASC C8)
National Electrical Manufacturers Association
1300 N. 17th Street, Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3231
Web: www.nema.org

NEMA (Canvass)
National Electrical Manufacturers Association
1300 North 17th Street
Suite 900
Rosslyn, VA 22209
Phone: (703) 841-3264
Web: www.nema.org

NSF
NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 827-3817
Web: www.nsf.org

RESNA
Rehabilitation Engineering and Assistive Technology Society of North America
1560 Wilson Blvd.
Suite 850
Arlington, VA 22209-1903
Phone: (703) 524-6686
Web: www.resna.org

RESNET
Residential Energy Services Network, Inc.

4867 Patina Court
Oceanside, CA 92057
Phone: (760) 408-5860

Web: www.resnet.us.com

RVIA
Recreational Vehicle Industry Association

1896 Preston White Drive
P.O. Box 2999
Reston, VA 20191-4363
Phone: (703) 620-6003

Web: www.rvia.org

SPRI
Single Ply Roofing Industry

465 Waverley Oaks Road
Suite 421
Waltham, MA 02452
Phone: (781) 647-7026

Web: www.spri.org

TAPPI
Technical Association of the Pulp and Paper Industry

15 Technology Parkway South
Suite 115
Peachtree Corners, GA 30092
Phone: (770) 209-7249

Web: www.tappi.org

TCNA (ASC A108)
Tile Council of North America

100 Clemson Research Blvd.
Anderson, SC 29625
Phone: (864) 646-8453

Web: www.tileusa.com

TIA
Telecommunications Industry Association

1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706

Web: www.tiaonline.org

UL
Underwriters Laboratories, Inc.

333 Pfingsten Road
Northbrook, IL 60062
Phone: (847) 664-3198

Web: www.ul.com

VC (ASC Z80)
The Vision Council

225 Reinekers Lane
Alexandria, VA 22314
Phone: 585-387-9913

Web: www.z80asc.com

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

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 11136/DAmd1, Sensory analysis - Methodology - General guidance for conducting hedonic tests with consumers in a controlled area - Amendment 1 - 12/13/2018, $46.00

AIR QUALITY (TC 146)

ISO/DIS 14966, Ambient air - Determination of numerical concentration of inorganic fibrous particles - Scanning electron microscopy method - 12/13/2003, $119.00

AIRCRAFT AND SPACE VEHICLES (TC 20)

ISO/DIS 24113, Space systems - Space debris mitigation requirements - 10/14/2018, $62.00

ISO/DIS 24917, Space systems - General test requirements for launch vehicles - 12/10/2018, $107.00

ISO/DIS 21384-3, Unmanned aircraft systems - Part 3: Operational procedures - 12/15/2018, $77.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

ISO/DIS 17442, Financial services - Legal Entity Identifier (LEI) - 10/13/2018, $46.00

BIOTECHNOLOGY (TC 276)

ISO/DIS 20391-2, Biotechnology - Cell Counting - Part 2: Experimental design and statistical analysis to quantify counting method performance - 12/9/2018, $125.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO/DIS 21062, Corrosion of metals and alloys - Determination of corrosion rates of the embedded steel reinforcement in concrete exposed to the simulated marine environments - 12/7/2018, $53.00

ISO/DIS 11844-1, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 1: Determination and estimation of indoor corrosivity - 12/6/2018, $71.00

ISO/DIS 11844-2, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 2: Determination of corrosion attack in indoor atmospheres - 12/6/2018, $62.00

ISO/DIS 11844-3, Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity - 12/6/2018, $53.00

COSMETICS (TC 217)

ISO/DIS 21322, Microbiology - Microbiological testing of impregnated or coated products - Wipes and masks - 12/7/2018, $88.00

CRYOGENIC VESSELS (TC 220)

ISO 21029-1/DAmd1, Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1 000 litres volume - Part 1: Design, fabrication, inspection and tests - Amendment 1 - 12/10/2018, $29.00

FIRE SAFETY (TC 92)

ISO 5660-1/DAmd1, Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) - Amendment 1 - 10/11/2018, $29.00

GAS CYLINDERS (TC 58)

ISO/DIS 10961, Gas cylinders - Cylinder bundles - Design, manufacture, testing and inspection - 12/10/2018, $88.00

ISO/DIS 11117, Gas cylinders - Valve protection caps, guards and shrouds - Design, construction and tests - 12/10/2018, $71.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 12643-1, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements - 10/12/2018, $155.00

ISO/DIS 12643-2, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems - 10/12/2018, $125.00

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 6475, Implants for surgery - Metal bone screws with asymmetrical thread - Requirements and mechanical test methods - 10/12/2018, $82.00

MINING (TC 82)

ISO 19225/DAmd1, Underground mining machines - Mobile extracting machines at the face - Safety requirements for shearer loaders and plough system - Amendment 1 - 12/15/2018, $33.00

NANOTECHNOLOGIES (TC 229)

ISO/DIS 20814, Nanotechnologies - Testing of the photocatalytic activity of nanoparticles for NADH oxidation - 12/7/2018, $88.00

OTHER

ISO/DIS 17076-1, Leather - Determination of abrasion resistance - Part 1: Taber method - 10/13/2018, $40.00

PAINTS AND VARNISHES (TC 35)

ISO/DIS 23168, Paints and varnishes - Determination of water content - Gas-chromatographic method - 10/15/2018, $53.00

ISO/DIS 23496, Determination of pH value - Reference buffer solutions for the calibration of pH measuring equipment - 10/15/2018, $58.00

ISO/DIS 23497, Determination of pH value - Technical buffer solutions, preferably for the calibration of technical measuring installations - 10/15/2018, $46.00

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

ISO/DIS 7685, Plastics piping systems - Glass-reinforced thermosetting plastics (GRP) pipes - Determination of initial specific ring stiffness - 12/16/2018, $46.00

ROAD VEHICLES (TC 22)

ISO/DIS 19363, Electrically propelled road vehicles - Magnetic field wireless power transfer - Safety and interoperability requirements - 10/13/2018, $112.00

ISO/DIS 21782-6, Electrically propelled road vehicles - Test specification for electric propulsion components - Part 6: Operating load testing of motor and inverter - 12/13/2018, $88.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 21711, Marine structure - Mobile offshore units - Chain wheels - 10/14/2018, $46.00

SMALL CRAFT (TC 188)

ISO/DIS 12216, Small craft - Windows, portlights, hatches, deadlights and doors - Strength and tightness requirements - 11/13/2023, $112.00

SOLID MINERAL FUELS (TC 27)

ISO/DIS 1018, Hard coal - Determination of moisture-holding capacity - 12/14/2018, $29.00

SUSTAINABLE DEVELOPMENT IN COMMUNITIES (TC 268)

ISO/DIS 37155-1, Framework for integration and operation of smart community infrastructures - Part 1: Opportunities and challenges from interactions in smart community infrastructures from all aspects through the life-cycle - 10/13/2018, $88.00

TEXTILES (TC 38)

ISO/DIS 3071, Textiles - Determination of pH of aqueous extract - 12/16/2018, $40.00

ISO/DIS 20705, Textiles - Quantitative microscopical analysis - General principles of testing - 10/14/2018, $58.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO/DIS 22947, Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke under intense smoking conditions - NDIR method - 12/7/2018, $46.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO/DIS 4254-17, Agricultural machinery - Safety - Part 17: Root crop harvesters - 10/12/2018, $125.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO/DIS 19414, Intelligent transport systems - Service architecture of probe vehicle systems - 10/14/2018, $58.00

WATER QUALITY (TC 147)

ISO/DIS 21675, Water quality - Determination of polyfluorinated alkyl substances (PFAS) in water - Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS) - 12/7/2018, $112.00

WELDING AND ALLIED PROCESSES (TC 44)

ISO/DIS 10863, Non-destructive testing of welds - Ultrasonic testing - Use of time-of-flight diffraction technique (TOFD) - 12/15/2018, $107.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 29192-2/DAmd2, Information technology - Security techniques - Lightweight cryptography - Part 2: Block ciphers - Amendment 2: LEA - 12/13/2018, $71.00

ISO/IEC DIS 23681, Information technology - Self-contained Information Retention Format (SIRF) Specification - 12/10/2018, $112.00

OTHER

ISO/IEC DIS 17029, Conformity Assessment - General principles and requirements for validation and verification bodies - 10/11/2018, $88.00

IEC Standards

CABPUB/168/CDV, ISO/IEC DIS 17029, Development of ISO/IEC 17029, Conformity assessment - General principles and requirements for bodies performing validation and verification activities, 2018/12/7

20/1830/CDV, IEC 62125 ED1: Environmental considerations specific to insulated electrical power and control cables, /2018/12/1

45A/1221/CDV, IEC 61226 ED4: Nuclear power plants - Instrumentation, control and electrical power systems important to safety - Categorization of functions and classification of systems, /2018/12/1

45A/1219(F)/CDV, IEC 62645 ED2: Nuclear power plants - Instrumentation, control and electrical power systems - Cybersecurity requirements, 2018/12/7

57/2049/DC, Revision of IEC 61970-456 Edition 2: Energy Management System Application Program Interface (EMS-API) - Part 456: Solved power system state profiles, 2018/11/2

65/717/NP, PNW 65-717: Security for industrial automation and control systems - Part 2-2: IACS protection levels, /2018/12/1

81/590/FDIS, IEC 62305-1 ED3: Protection against lightning - Part 1: General principles, 2018/11/2

81/591/FDIS, IEC 62305-4 ED3: Protection against lightning - Part 4: Electrical and electronic systems within structures, 2018/11/2

82/1481/CD, IEC TS 63106-1 ED1: Basic requirements for simulator used for testing of photovoltaic power conversion equipment - Part 1: a.c. power simulator, /2018/12/1

82/1482/CD, IEC TS 63106-2 ED1: Basic requirements for simulator used for testing of photovoltaic power conversion equipment - Part 2: d.c. power simulator, /2018/12/1

82/1479/CD, IEC TS 62257-13-1 ED1: Recommendations for renewable energy and hybrid systems for rural electrification - Part 13-1: Integrated systems - Quality standards for stand-alone renewable energy products with power ratings less than or equal to 350 W, /2018/11/1

82/1480/CD, IEC TR 63217 ED1: Utility-interconnected photovoltaic (PV) inverters - Test procedure of high-voltage ride-through measurements, /2018/12/1

86A/1890/FDIS, IEC 60793-1-32 ED3: Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability, 2018/11/2

87/703/CD, IEC 63045 ED1: Ultrasonics - Non-focusing pressure pulse sources - Characteristics of fields, /2018/12/1

87/704/CD, IEC TS 61390 ED2: Ultrasonics - Real-time pulse-echo systems - Test procedures to determine performance specifications, /2018/12/1

107/342/CDV, IEC 62668-2 ED1: Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources, /2018/12/1

116/381/CDV, IEC 62841-3-4/AMD1 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders, /2018/12/1

SyCAAL/119/NP, PNW TS SYCAAL-119: (SRD) Economic evaluation of AAL services - Part 2: Example use of the framework for evaluation of an AAL service for monitoring patients with chronic diseases, /2018/12/1

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

CERAMIC TILE (TC 189)

ISO 10545-2:2018, Ceramic tiles - Part 2: Determination of dimensions and surface quality, $103.00

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

ISO 23551-2:2018, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators, $209.00

CRANES (TC 96)

ISO 8686-3:2018, Cranes - Design principles for loads and load combinations - Part 3: Tower cranes, $138.00

DENTISTRY (TC 106)

ISO 20569:2018, Dentistry - Trephine burs, $68.00

ISO 20570:2018, Dentistry - Oral surgical scalpel handle, $45.00

ISO 28158:2018, Dentistry - Integrated dental floss and handles, $103.00

FINE CERAMICS (TC 206)

ISO 21066:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Qualitative and semiquantitative assessment of the photocatalytic activities of surfaces by the reduction of resazurin in a deposited ink film, $103.00

ISO 17168-1:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment - Part 1: Removal of nitric oxide, $103.00

ISO 17168-2:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment - Part 2: Removal of acetaldehyde, $103.00

ISO 17168-3:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment - Part 3: Removal of toluene, $68.00

ISO 17168-4:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment - Part 4: Removal of formaldehyde, $68.00

ISO 17168-5:2018, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment - Part 5: Removal of methyl mercaptan, $68.00

FIRE SAFETY (TC 92)

ISO 23932-1:2018, Fire safety engineering - General principles - Part 1: General, $138.00

FLUID POWER SYSTEMS (TC 131)

ISO 8139:2018, Pneumatic fluid power - Cylinders, 1 000 kPa (10 bar) series - Mounting dimensions of rod-end spherical eyes, $45.00

ISO 8140:2018, Pneumatic fluid power - Cylinders, 1 000 kPa (10 bar) series - Mounting dimensions of rod-end clevises, $45.00

GAS CYLINDERS (TC 58)

ISO 10460:2018, Gas cylinders - Welded aluminium-alloy, carbon and stainless steel gas cylinders - Periodic inspection and testing, $138.00

GEOTECHNICS (TC 182)

ISO 22476-6:2018, Geotechnical investigation and testing - Field testing - Part 6: Self-boring pressuremeter test, $138.00

ISO 22476-8:2018, Geotechnical investigation and testing - Field testing - Part 8: Full displacement pressuremeter test, $138.00

INDUSTRIAL AUTOMATION SYSTEMS AND INTEGRATION (TC 184)

ISO 20534:2018, Industrial automation systems and integration - Formal semantic models for the configuration of global production networks, $232.00

INDUSTRIAL TRUCKS (TC 110)

ISO 22915-2:2018, Industrial trucks - Verification of stability - Part 2: Counterbalanced trucks with mast, $68.00

ISO 22915-8:2018, Industrial trucks - Verification of stability - Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated, $45.00

LIGHT METALS AND THEIR ALLOYS (TC 79)

ISO 8993:2018, Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Chart method, $68.00

NON-DESTRUCTIVE TESTING (TC 135)

ISO 20769-1:2018, Non-destructive testing - Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays - Part 1: Tangential radiographic inspection, $185.00

ISO 20769-2:2018, Non-destructive testing - Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays - Part 2: Double wall radiographic inspection, $162.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 11393-1:2018, Protective clothing for users of hand-held chainsaws - Part 1: Test rig for testing resistance to cutting by a chainsaw, $103.00

ISO 11393-3:2018, Protective clothing for users of hand-held chainsaws - Part 3: Test methods for footwear, $68.00

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

ISO 7432:2018, Glass-reinforced thermosetting plastics (GRP) pipes and fittings - Test methods to prove the design of locked socket-and-spigot joints, including double-socket joints, with elastomeric seals, $68.00

ROAD VEHICLES (TC 22)

ISO 21308-1:2018, Road vehicles - Product data exchange between chassis and bodywork manufacturers (BEP) - Part 1: General principles, $138.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO 4666-4:2018, Rubber, vulcanized - Determination of temperature rise and resistance to fatigue in flexometer testing - Part 4: Constant-stress flexometer, $138.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO 17325-4:2018, Ships and marine technology - Marine environment protection - Oil booms - Part 4: Auxiliary equipment, $68.00

SMALL TOOLS (TC 29)

ISO 2238:2018, Machine bridge reamers, $45.00

ISO 2780:2018, Milling cutters with tenon drive - Interchangeability dimensions for cutter arbors - Metric series, $45.00

SOIL QUALITY (TC 190)

ISO 20295:2018, Soil quality - Determination of perchlorate in soil using ion chromatography, $162.00

SPRINGS (TC 227)

ISO 19690-2:2018, Disc springs - Part 2: Technical specifications, $162.00

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

ISO 6413:2018, Technical product documentation - Representation of splines and serrations, $68.00

TEXTILES (TC 38)

ISO 20920:2018, Textiles - Man-made fibres - Determination of dye uptake of cationic dyeable modified polyester fibres, $45.00

ISO 1833-27:2018, Textiles - Quantitative chemical analysis - Part 27: Mixtures of cellulose fibres with certain other fibres (method using aluminium sulfate), $45.00

TIMBER STRUCTURES (TC 165)

ISO 19323:2018, Timber structures - Joist hangers - Test methods, $103.00

TOBACCO AND TOBACCO PRODUCTS (TC 126)

ISO 21766:2018, Tobacco and tobacco products - Determination of tobacco-specific nitrosamines in tobacco products - Method using LC-MS/MS, $103.00

TOURISM AND RELATED SERVICES (TC 228)

ISO 20611:2018, Adventure tourism - Good practices for sustainability - Requirements and recommendations, $68.00

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

ISO 15747:2018, Plastic containers for intravenous injections, $103.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

ISO 15622:2018, Intelligent transport systems - Adaptive cruise control systems - Performance requirements and test procedures, $138.00

WOOD-BASED PANELS (TC 89)

ISO 2426-4:2018, Plywood - Classification by surface appearance - Part 4: Palm-plywood, $45.00

ISO Technical Reports

FREIGHT CONTAINERS (TC 104)

ISO/TR 15069:2018, Series 1 freight containers - Handling and securing - Rationale for ISO 3874:2017, Annexes A to E, $45.00

IMPLANTS FOR SURGERY (TC 150)

ISO/TR 21900:2018, Guidance for uncertainty analysis regarding the application of ISO/TS 10974, $103.00

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/TR 19997:2018, Guidelines for good practices in zeta-potential measurement, $68.00

ISO Technical Specifications

GRAPHIC TECHNOLOGY (TC 130)

ISO/TS 21830:2018, Image technology colour management - Black point compensation for n-colour ICC profiles, $45.00

LIFTS, ESCALATORS, PASSENGER CONVEYORS (TC 178)

ISO/TS 8100-21:2018, Lifts for the transport of persons and goods - Part 21: Global safety parameters (GSPs) meeting the global essential safety requirements (GESRs), $162.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 8824-1/Cor2:2018, Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation - Corrigendum, FREE

ISO/IEC 8824-2/Cor1:2018, Information technology - Abstract Syntax Notation One (ASN.1): Information object specification - Corrigendum, FREE

ISO/IEC 8824-3/Cor2:2018, Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification - Corrigendum, FREE

ISO/IEC 8824-4/Cor1:2018, Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications - Corrigendum, FREE

ISO/IEC 8825-7/Cor3:2018, Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER) - Corrigendum, FREE

ISO/IEC/IEEE 8802-1AX/Cor1:2018, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1AX: Link aggregation - Corrigendum, FREE

ISO/IEC/IEEE 8802-3/Cor1:2018, Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Standard for Ethernet - Corrigendum, FREE

IEC Standards

AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT (TC 100)

IEC 62106-4 Ed. 1.0 en:2018, Radio data system (RDS) - VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz - Part 4: Registered code tables, $317.00

IEC 62106-5 Ed. 1.0 en:2018, Radio data system (RDS) - VHF/FM sound broadcasting in the frequency range from 64,0 MHz to 108,0 MHz - Part 5: Marking of RDS receiver devices, $47.00

ELECTRICAL INSTALLATIONS OF BUILDINGS (TC 64)

IEC 60364-7-722 Ed. 2.0 b:2018, Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles, $164.00

S+ IEC 60364-7-722 Ed. 2.0 en:2018 (Redline version), Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles, $213.00

ELECTROSTATICS (TC 101)

IEC 61340-6-1 Ed. 1.0 b:2018, Electrostatics - Part 6-1: Electrostatic control for healthcare - General requirements for facilities, $164.00

FLUIDS FOR ELECTROTECHNICAL APPLICATIONS (TC 10)

IEC 62961 Ed. 1.0 b:2018, Insulating liquids - Test methods for the determination of interfacial tension of insulating liquids - Determination with the ring method, $164.00

INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL (TC 65)

IEC 61918 Ed. 4.0 b:2018, Industrial communication networks - Installation of communication networks in industrial premises, $410.00

PROCESS MANAGEMENT FOR AVIONICS (TC 107)

IEC 62239-1 Ed. 1.0 b:2018, Process management for avionics - Management plan - Part 1: Preparation and maintenance of an electronic components management plan, $352.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)

IEC 61010-2-061 Ed. 4.0 b:2018, Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2 -061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization, $117.00

S+ IEC 61010-2-061 Ed. 4.0 en:2018 (Redline version), Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization, $152.00

IEC Technical Reports

POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS (TC 57)

IEC/TR 61850-90-6 Ed. 1.0 en:2018, Communication networks and systems for power utility automation - Part 90-6: Use of IEC 61850 for Distribution Automation Systems, $410.00

IEC/TR 62351-90-2 Ed. 1.0 en:2018, Power systems management and associated information exchange - Data and communications security - Part 90-2: Deep packet inspection of encrypted communications, $199.00

IEC Technical Specifications

STANDARD VOLTAGES, CURRENT RATINGS AND FREQUENCIES (TC 8)

IEC/TS 62898-2 Ed. 1.0 en:2018, Microgrids - Part 2: Guidelines for operation, $235.00

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

Reaccreditation

NSF International

Comment Deadline: October 29, 2018

NSF International, an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on NSF-sponsored American National Standards, under which it was last reaccredited in August 2018. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Jessica Evans, Director, Standards Development, NSF International, 789 N. Dixboro Road, Ann Arbor, MI 48105; phone: 734.913.5774; e-mail: jevans@nsf.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to NSF International by October 29, 2018, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

International Organization for Standardization

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.

National Waste and Recycling Association (NW&RA)

The National Waste and Recycling Association (NW&RA) serves at the secretariat for the ANSI Z245 Committee on Equipment Technology and Operations for Wastes and Recyclable Materials. The next meeting will be on November 13 and 14th in Knoxville, TN. The Z245.1 committee on Mobile Equipment will meet from 13:00 to 15:00 on November 13. The Z245.7 committee on size reduction equipment will be on November 13 from 15:00 to 17:00. On November 14 from 08:00 to 12:00 the Z245.2 and Z245.5 committees on Compactors and Balers, respectively, will be meeting. The location of the meeting is at the Courtyard Knoxville West/Bearden, 250 Brookview Centre Way, Knoxville, TN 37919. Those interested in participating can contact Kirk Sander at ksander@wasterecycling.org or register for free here:

https://mx.wasterecycling.org/Events/EventDetails.aspx?MeetingId=%7b430E6FC7-47BC-E811-8D48-0050569142AF%7d.

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).

ANSI/AWWA D115a-18
Addendum to
ANSI/AWWA D115-17
Standard
For

Tendon-Prestressed Concrete Water Tanks

Effective Date: ___. 1, 2018.
Approved by AWWA Board of Directors _____.
Approved by American National Standards Institute _____.

In Sec. 3.7.4, last sentence of the first paragraph, change the phrase "tank reinforcing steel" to "nonprestressed reinforcement" and move the entire sentence to the end of Sec. 3.7.4.2. The resulting changes are shown below:

3.7.4 *Horizontal prestressing.* Horizontal prestressing shall take axial tension plus provide residual compressive stress. Nonprestressed reinforcement may be added in areas of flexural tension, such as in the corners of rectangular tanks. ~~The design of the tank reinforcing steel shall be in conformance with the requirements and restrictions of ACI 350.~~

The connection between the wall and floor shall be fixed, hinged, or supported on bearing pads. During stressing of the horizontal post-tensioning tendons, the wall shall be unrestrained except from that restraint that occurs at bearing pads or other low-friction supports. Similarly, the wall–roof joints of tanks should be unrestrained during stressing of the horizontal post-tensioning tendons except from that restraint that occurs at bearing pads or other low-friction roof supports. The effects of low-friction restraints at the bottoms or tops of the walls should be accounted for in the design.

3.7.4.1 Horizontal tendons. Horizontal tendons in circular tanks or curved sections of other nonstraight shapes shall be placed no closer than half the wall thickness from the inside face of the wall. In all tanks, the minimum clear distance between bonded tendon, ducts, or groups of side-by-side unbonded tendons should not be less than 2 in. (50 mm), two times the maximum size of the aggregate, the diameter of the duct, or the width of groups of side-by-side unbonded horizontal tendons, whichever is greater. In curved tank walls, the minimum spacing of bonded tendons or

groups of side-by-side unbonded tendons shall also limit the tensile stress in the concrete between adjacent ducts caused by tendon curvature to $1.2\sqrt{f'_c}$. Alternatively, hairpins or other nonprestressed reinforcement may be provided in the wall to counteract the radial tensile splitting forces in the wall created by curved post-tensioning tendons.

The maximum center-to-center spacing of horizontal tendons shall be consistent with the elastic analysis required in Sec. 3.7.2. The minimum final (after all losses) horizontal prestressing force to contain the internal loads at any point in the gross wall section shall include provision for the calculated stresses caused by through-the-wall-thickness thermal and moisture gradients (but not less than 100 psi [0.7 MPa]), or allowance for a minimum residual compressive stress of 200 psi (1.4 MPa) for the aboveground portion of the tank wall, tapering to 50 psi (0.35 MPa) at the expected frost penetration depth belowground, with the tank filled to the overflow level.

For tanks without roofs (open at the top of the wall), the residual compression shall include provision for the calculated stresses caused by vertical thermal and moisture gradients, or allowance for a minimum residual compressive stress of 400 psi (2.8 MPa) for the exposed top portion of the tank wall, tapering to at least that required for the through-the-wall-thickness thermal and moisture gradients required above at not less than 6 ft (1.8 m) below the normal operating level of the water surface.

External loads caused by backfill or hydrostatic pressure shall not be used to reduce circumferential prestressing.

Horizontal prestressing shall be post-tensioned after the wall is complete and the concrete has obtained at least the initial compressive strength (f'_{ci}) required by the design.

3.7.4.2 Nonprestressed horizontal reinforcement. When nonprestressed horizontal reinforcement is used in combination with horizontal prestressed reinforcement, the spacing of the horizontal nonprestressed reinforcement in tanks with fixed or partially fixed corners shall not exceed 12 in. (300 mm) on center. At other locations where horizontal reinforcement is required because of stresses, the spacing of the reinforcement shall not exceed three times the wall thickness. The design of the nonprestressed reinforcement shall be in conformance with the requirements and restrictions of ACI 350.

Comments on NECA 417-201X, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids

E: editorial, G: General, T: Technical Note: **Please do not re-size table**

ID: Company with comment # (do not automate comment #)

Page	Line	Clause	E/G	Organization	Comment (rationale)	Proposed change (specific; add, delete. From-to)	Resolution (SME ONLY)
11 of 41	48	3.1	E	GWM	The word “microgrid” should be plural.	Revise the word “microgrid” to be “microgrids” to match verb tense	Accepted.

Please think twice about printing this matrix. You can e-mail it, along with your ballot to neis@necanet.org or aga.golriz@necanet.org

[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by gray highlighting. Rationale statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Food Equipment –

Commercial Warewashing Equipment

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5 Design and construction

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5.9 Plumbing connections

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5.9.2 Water inlets intended to be connected to a water supply system under pressure shall be equipped with at least one of the following backflow prevention devices:

~~— an air gap, installed in accordance with ANSI/ASSE 1004[4], Commercial Dishwashing Machines, located on the outside of the machine, above the overflow rim, and protected against suds, spray, splash and flooding, at least twice the diameter of the water supply inlet but not less than 1.0 in (25 mm); or~~

— an air gap that is:

- installed in accordance with ANSI/ASSE 1004[4], *Commercial Dishwashing Machines;*
- located on the outside of the machine wash and rinse chambers;
- positioned above the overflow rim;
- protected against suds, spray, splash and flooding; and
- sized at least twice the diameter of the water supply inlet but not less than 1.0 in (25mm)

NOTE: air gap need not be readily visible from the outside of the machine

or

— a vacuum breaker that complies with ANSI/ASSE 1001[4], *Atmospheric Type Vacuum Breakers (for intermittent pressure conditions)*, and is installed in accordance with ANSI/ASSE 1004[4].

Rationale: *This bulleted format is more consistent with the formatting currently used elsewhere in NSF/ANSI Food Equipment Standards. Specificity added to the second bullet regarding what is meant by '**outside the machine**', and the addition of an informative NOTE add clarity.*

[4] ASSE International 18927 Hickory Creek Drive, Suite 220 Mokena, Illinois 60448. <www.asse-plumbing.org>.

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new 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 —

Commercial Powered Food Preparation Equipment

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5 Design and construction

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5.2 Internal angles and corners

5.2.1 Internal ~~corners or~~ angles or corners of less than 135° in a food zone shall be smooth and have a minimum continuous radii of $^{1}/_{8}$ in (0.13 in, 3.2 mm).

~~NOTE – Lesser radii may be used where necessary to ensure the proper functioning of parts (such as sealing ring grooves, saw guides, hles and grooves) provided they are easily cleanable.~~

5.2.1.1 Lesser radii may be used where necessary to ensure the proper functioning of parts such as:

- sealing ring grooves
- saw guides
- holes
- grooves

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Rationale – *The language change in 5.2.1 matches the language 5.2 and in NSF/ANSI 2 – 2018, section 5.2.1.*

Adding 5.2.1.1 changes the informative note to a normative section. This reverses the action taken on ballot 8i1r3 in February1999.

The easily "cleanable requirement" is already stated in 5.1.3 and is therefore unnecessary here.

[Note – the changes are illustrated below using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new 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 —

Thermoplastic Refuse Containers

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5 Design and construction

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5.4 Cover requirements

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5.4.2 Thermoplastic refuse containers used primarily outdoors shall have a cover that, when in place, prevents water from entering the container opening.

~~NOTE – Thermoplastic refuse containers used primarily indoors are exempt from this requirement. Covers with swinging-closure mechanisms are acceptable for indoor use.~~

5.4.2.1 Thermoplastic refuse containers used primarily indoors are exempt from this requirement. Covers with swinging-closure mechanisms are acceptable for indoor use.

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Rationale *–Adding 5.4.2.1 changes the informative note to a normative section. This reverses the action taken on ballot draft 3.3 in May 1996.*

2018 ANSI/RVIA EXTLAD-1 Code Change Proposals

2.4 The permitted permanent deformation shall not exceed L/ 50 for rung length (L), measured between the ~~beams~~ rails.

3.0 Rung-to ~~Beams~~-Rails Shear Strength Test.

3.1 The rung-to-~~beam~~ rail shear strength test shall be conducted on a test unit that consists of either a complete ladder or on a three rung test section taken from a like ladder having the same rung cross section and rung joint.

3.2 A downward test load of two times the ladder's rated capacity shall be applied on the widest like cross section, on both braced and unbraced test rungs, as near the ~~beam~~ rail as possible.

3.3 When the test load is removed, the test unit shall show no permanent deformation or ultimate failure either in the fastening means attaching the rung or in the ~~beam~~ rail.

4.1 The rung torque test shall be conducted on a test unit that consists of either a single section of the ladder or on a short test section that comprises at least one rung and two ~~beams~~ rails.

4.4 The rung joint shall be secured to the ~~beams~~ rails so that the alternating torque load shall not cause relative motion between the rung and the ~~beams~~ rails in excess of 9 degrees, based on a 1.6 mm (1/16 in.) maximum movement for a 32 mm (1 ¼ in.) diameter round rung.

Proposed revisions to A108.01 General Requirements: Subsurfaces and Preparations by Other Trades

3.6.4 Pre-fabricated tub and shower receptors must be installed following manufacturer's instructions and plumbing code.

3.6.4.1 CAUTION Bathtubs require a secure and adequate support because of the combined weight of the tub, occupant, ~~plus person plus the~~ and water. Specify as follows: "Secure bathtubs on metal hangers or on end grain wood blocks secured to wall structure. Ensure tub is set with a level perimeter. Set tubs close enough to wall so that ceramic tile assembly covers the ~~1" high~~ water-stop lip (typically 1" high) of the tub."

NOTE – CAUTION: all horizontal ledges/rims on tubs and showers shall be sloped such that any fluid on their surfaces flows towards the drain (unless the ledge is designed to support a pre-fabricated tub unit). Follow manufacturer's instructions and applicable building codes. The ~~1" high~~ water-stop lip in the fixture shall extend past the center of the threshold/curb toward the outside of the fixture to allow a shower door to be installed.

3.6.5 CAUTION: Prefabricated shower receptors must be solidly set in mortar to ensure a level perimeter, and prevent any movement or flexing of the unit from the weight of a person using the shower. Specify as follows: "Install prefabricated shower receptors with a level perimeter, and in such a manner that they will not move or flex from the weight of persons using the shower unit." Install the receptor close enough to the wall to allow the ceramic tile assembly to cover the ~~1" high~~ water-stop. If holes are drilled in the water stop lip to secure the fixture to the wall they shall be sealed with C-920 sealant or self-adhesive flashing to prevent water from leaving the plumbing fixture.

Proposed revision to A108.01 General Requirements: Subsurfaces and Preparations by Other Trades

3.7.4 Requirements for sealing expansion joints in tilework

3.7.4.1 The installation of back-up strip and sealant is to be done by the caulking and sealant contractor. Include the following in the caulking and sealant section of the project specifications:

3.7.4.1.1 Unless otherwise specified, use sealants complying with ASTM C920, which designates sealants according to type, grade, class and uses. The following are suitable for use in tilework.

Type S: single-component sealant.

Type M: multi-component sealant.

Grade P: pourable or self-leveling sealants for joints on horizontal surfaces.

Grade NS: non-sagging sealants for joints in vertical surfaces.

Class 25 or 12 ½: identifies sealants which can withstand an increase and decrease of ±25% or ±12½% of joint width.

Use T: use in joints subjected to pedestrian and vehicle traffic.

Use NT: sealants for non-traffic exposures.

Uses M and G: sealants that will remain adhered to mortar (M) and glass (G) are suitable for use with tilework.

Suitable sealants include silicone, urethane, and polysulfide. Generally, urethane sealants are recommended for exterior vertical tile surfaces and both exterior and interior horizontal tile surfaces, including tiled traffic areas. Cured sealants in traffic areas require a Shore A Hardness of 25 or greater.

Proposed revision to A108.02, section 4.3.7

4.3.7 Lippage — guidelines, explanation, and caution: Lippage refers to differences in elevation between edges of adjacent tile modules. These differences or perception thereof are influenced by many factors such as:

A) The allowable thickness variation of the tile modules when judged in accordance with manufacturing standards.

B) The allowable warpage of the tile modules.

C) The spacing or separation of each tile module, which would influence a gradual or abrupt change in elevation.

D) Angle of natural or manufactured light accentuating otherwise acceptable variance in modules.

E) Highly reflective surfaces of tile modules accentuating otherwise acceptable variance in modules.

The following ~~chart~~ is a guideline for identifying acceptable lippage. The total allowable lippage shall be calculated by adding the actual warpage of the tile supplied to the allowable lippage number in the chart below (1/16 or 1/32 depending on the tile type, size, and grout joint width).

Example (not applicable to Gauged Porcelain Tile (GPT) or GPT Panels/Slabs): If the tile being evaluated for lippage is a porcelain tile with an 1/8 grout joint, and it has an actual warpage of 1/32 inch, then the allowable lippage is 1/32 (warpage in tile) + 1/32 (value from chart) or 2/32 (1/16 inch).

These guidelines only apply to tiles that the manufacturer states comply with ANSI A137.1 or ANSI A137.3.

~~— in addition to the inherent warpage of tile manufactured in accordance with ANSI A137.1 — for typical installations of tile:~~

Tile Type	Tile Size (in.)	Joint Width (in.)	Allowable Lippage (in.)
Glazed Wall/Mosaics	1 x 1 to 6 x 6	1/16 to 1/8	1/32
Quarry	6 x 6 to 8 x 8	¼ or greater	1/16
Pressed Floor and Porcelain Tiles	All	1/16 to less than ¼	1/32
Pressed Floor and Porcelain Tiles	All	¼ or greater	1/16
Gauged Porcelain Tiles (GPT) and GPT Panels/Slabs	All	All	1/32*

* Note: Due to the lack of warpage in Gauged Porcelain Tiles (GPT) and GPT Panels/Slabs, only the value in the chart shall be used as a guideline for identifying acceptable lippage. No additional calculation is needed when evaluating GPT or GPT Panels/Slabs.

CAUTION — This chart does not apply to tiled floors sloping to drains. Lippage will be present when ~~using tiles~~using tiles 6 in. x 6 in. and larger over interior and exterior conical surfaces sloped to drains. The larger the tile unit surface area, the greater the lippage. Cutting the individual units can reduce the amount of lippage but may not eliminate lippage. Using smaller units in sloping areas will reduce lippage.

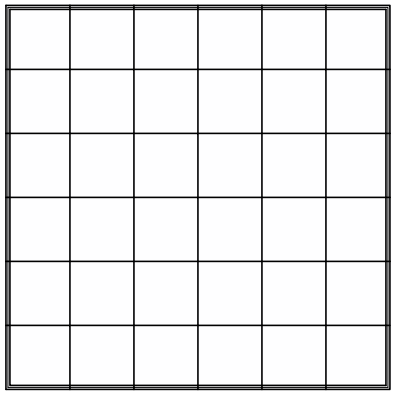
CAUTION: Tiles with a warpage exceeding the maximum allowable in ANSI A137.1 can potentially become a trip hazard in flooring applications.

Proposed revision to A108.02 Section 4.3.8.2

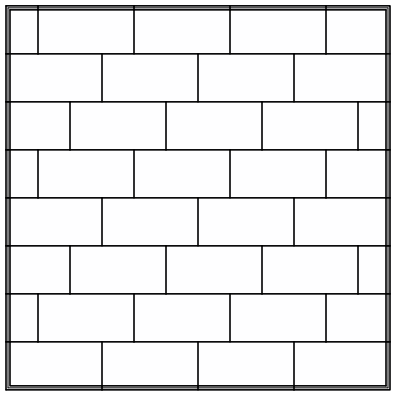
4.3.8.2 Running bond/brick joint and any offset pattern: For running bond/brick joint ~~and~~ or any other offset patterns (i.e. non-continuous grout joints) utilizing tiles (square and/or rectangular) where the side being offset is greater than 15 in. (nominal dimension), only patterns with an ~~the~~ offset ~~pattern will be a maximum~~ of 33% or less shall be specified. ~~unless otherwise specified by the tile manufacturer.~~ If a pattern with an offset greater than 33% is ~~specified~~desired, the specifier and owner must approve a mock-up and the resulting lippage.

Examples of offset patterns where the offset is greater than 33%: Standard Herringbone or Versailles.

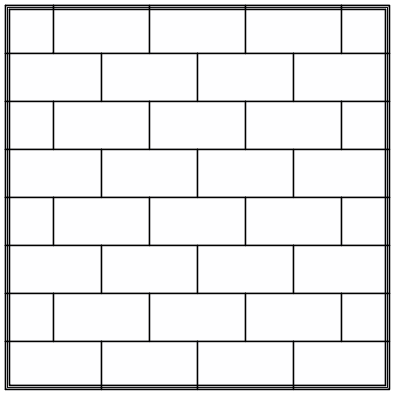
Examples of offset patterns where offset is 33% or less: Blunt Herringbone or Large Pinwheel. (see appendix X for examples).



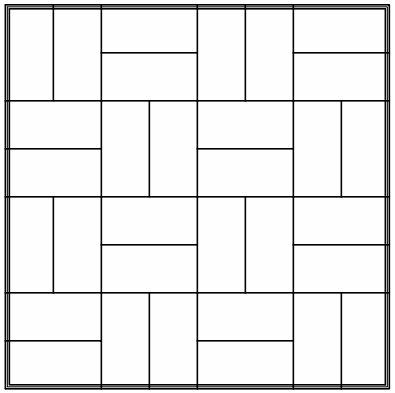
Square Grid (no offset)



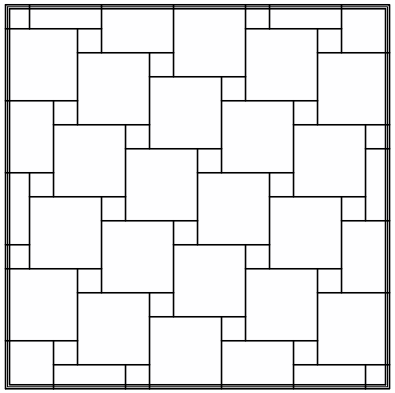
Brick Bond, 33% Offset



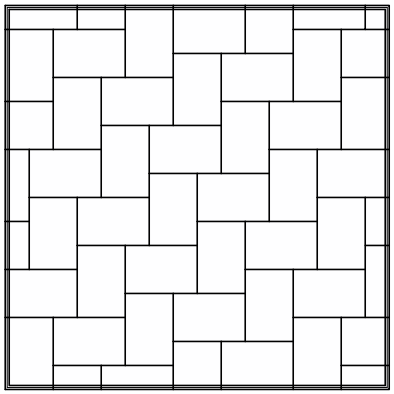
Brick Bond, 50% Offset



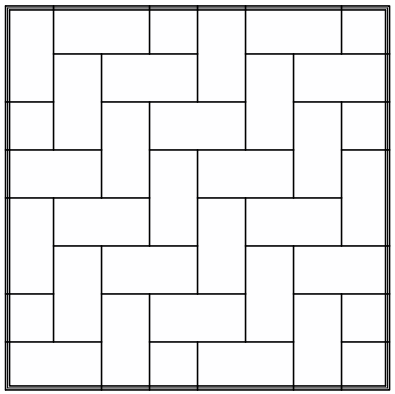
Basketweave



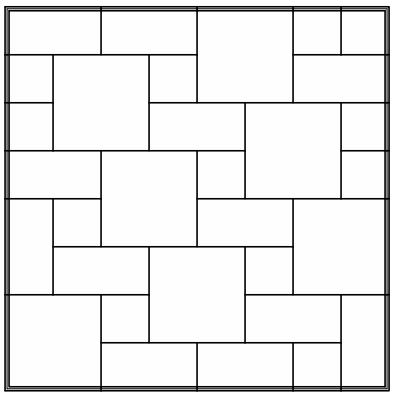
Large Pinwheel



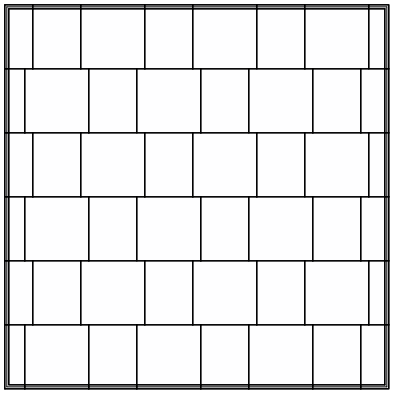
Blunt Herringbone



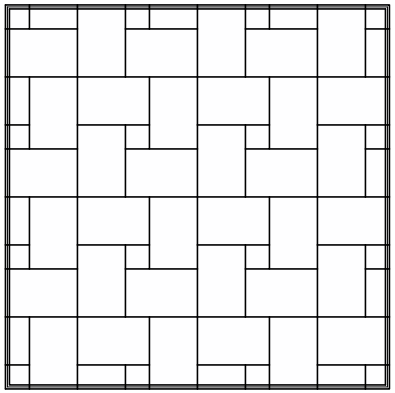
Standard Herringbone



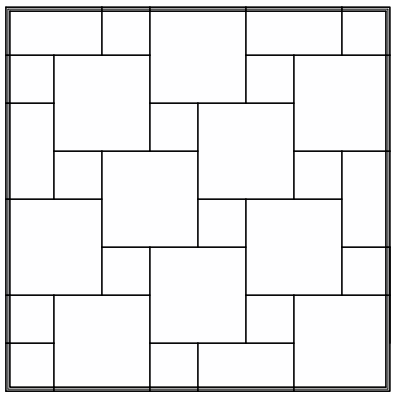
Plain Weave



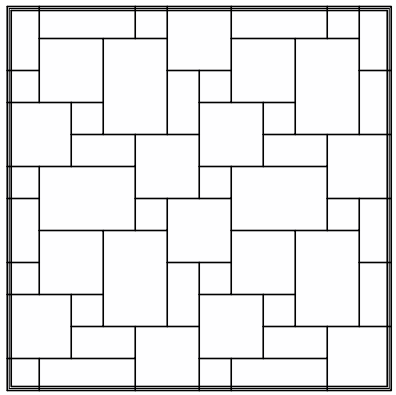
Modular Offset



Rectangular Pinwheel



Standard Pinwheel



Versailles

Note: Use caution when using tiles larger than 15 inches on one side and pattern offsets greater than 33%, as excessive offsets may result in unacceptable lippage depending on the warpage of the tile, flatness of the substrate, and other influences. See ANSI A108.02 section 4.3.7.

Tile Patterns

Proposed revision to A108.11 Interior Installation of Cementitious Backer Units

5.2 Floors

5.2.1 Install CBU over plywood subfloor as described above in 4.4 after application of a coat of cement mortar or adhesive to the subfloor for a minimum thickness of 3/32 in. (2 mm) coverage to provide for uniform support between the cementitious backer unit and the subfloor following the mortar or adhesive manufacturer's recommendations. If CBU manufacturer recommends use of organic adhesive, follow adhesive manufacturer's instructions. CBU shall be placed and secured before setting material films over.

Revision to ANSI A137.1, Table 8

Table 8: Pressed Floor Tile

		Pressed Floor Tile Specification (does not include porcelain)		Pressed Floor Tile Trim	
	Property	**Minimum**	**Maximum**	**Minimum**	**Maximum**
Natural	Nominal Size (ASTM C499)	-4.00%	4.00%	-4.00%	4.00%
	Caliber Range (Variation from average facial dimension of sample, tested per ASTM C499)	-0.75% or -0.09 in (-2.3 mm)[1]	0.75% or 0.09 in (2.3 mm)[1]	-1.00% or -0.12 in (-3.1 mm)[1]	1.00% or 0.12 in (3.1 mm)[1]
	Warpage Edge (ASTM C485)	-1.00% or -0.12 in (-3.1 mm)[1]	1.00% or 0.12 in (3.1 mm)[1]	-1.50% or -0.18 in (-4.6 mm)[1]	1.50% or 0.18 in (4.6 mm)[1]
	Warpage Diagonal (ASTM C485)	-0.75% or -0.13 in (-3.3 mm)[1]	0.75% or 0.13 in (3.3 mm)[1]	N/A	N/A
	Wedging (ASTM C502)	-1.00% or -0.12 in (-3.1 mm)[1]	1.00% or 0.12 in (3.1 mm)[1]	-1.50% or -0.18 in (-4.6 mm)[1]	1.50% or 0.18 in (4.6 mm)[1]
Calibrated (Nominal Size <6 in [15 cm])	Nominal Size (ASTM C499)	-3.00%	3.00%	-3.00%	3.00%
	Caliber Range (Variation from average facial dimension of sample, tested per ASTM C499)	-0.035 in (-0.9 mm)	0.035 in (0.9 mm)	-0.035 in (-0.9 mm)	0.035 in (0.9 mm)
	Warpage Edge (ASTM C485)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)
	Warpage Diagonal (ASTM C485)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)
	Wedging (ASTM C502)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)	-0.03 in (-0.8 mm)	0.03 in (0.8 mm)
Calibrated (Nominal Size ≥6 in [15 cm])	Nominal Size (ASTM C499)	-3.00%	3.00%	-3.00%	3.00%
	Caliber Range (Variation from average facial dimension of sample, tested per ASTM C499)	-0.50% or -0.08 in (-2.0 mm)[1]	0.50% or 0.08 in (2.0 mm)[1]	-0.75% or -0.09 in (-2.3 mm)[1]	0.75% or 0.09 in (2.3 mm)[1]
	Warpage Edge (ASTM C485)	~~-0.75~~0.50% or -0.08 in (-2.0 mm)[1]	~~0.75~~0.50% or 0.08 in (2.0 mm)[1]	-1.00% or -0.12 in (-3.1 mm)[1]	1.00% or 0.12 in (3.1 mm)[1]
	Warpage Diagonal (ASTM C485)	-0.50% or -0.08 in (-2.0 mm)[1]	0.50% or 0.08 in (2.0 mm)[1]	N/A	N/A
	Wedging (ASTM C502)	-0.50% or -0.08 in (-2.0 mm)[1]	0.50% or 0.08 in (2.0 mm)[1]	-1.00% or -0.16 in (-3.1 mm)[1]	1.00% or 0.16 in (3.1 mm)[1]
Rectified (Nominal Size <6 in [15 cm])	Nominal Size (ASTM C499)	-3.00%	2.00%	N/A	N/A
	Caliber Range (Variation from average facial dimension of sample, tested per ASTM C499)	-0.016 in (-0.4mm)	0.016 in (0.4mm)	N/A	N/A
	Warpage Edge (ASTM C485)	-0.024 in (-0.6 mm)	0.024 in (0.6 mm)	N/A	N/A
	Warpage Diagonal (ASTM C485)	-0.024 in (-0.6 mm)	0.024 in (0.6 mm)	N/A	N/A
	Wedging (ASTM C502)	-0.016 in (-0.4mm)	0.016 in (0.4mm)	N/A	N/A
Rectified (Nominal Size ≥6 in [15 cm])	Nominal Size (ASTM C499)	-3.00%	2.00%	N/A	N/A
	Caliber Range (Variation from average facial dimension of sample, tested per ASTM C499)	-0.25% or -0.03 in (-0.8 mm)[1]	0.25% or 0.03 in (0.8 mm)[1]	N/A	N/A
	Warpage Edge (ASTM C485)	-0.40% or -0.05 in (-1.3 mm)[1]	0.40% or 0.05 in (1.3 mm)[1]	N/A	N/A
	Warpage Diagonal (ASTM C485)	-0.40% or -0.07 in (-1.8 mm)[1]	0.40% or 0.07 in (1.8 mm)[1]	N/A	N/A
	Wedging (ASTM C502)	-0.25% or -0.03 in (-0.8 mm)[1]	0.25% or 0.03 in (0.8 mm)[1]	N/A	N/A

Table 8 (continued)

		Pressed Floor Tile Specification (does not include porcelain)		Pressed Floor Tile Trim	
	Property	**Minimum**	**Maximum**	**Minimum**	**Maximum**
All pressed floor tile	Thickness[4] (ASTM C499)	N/A	Range: 0.040 in (1.02 mm)	N/A	Range: 0.040 in (1.02 mm)
	Visible Abrasion Resistance[2] (ASTM C1027)	As Reported	As Reported	As Reported	As Reported
	Deep Abrasion (ASTM C1243)		See Table 11	N/A	N/A
	Bond Strength (ASTM C482)	≥ 50 psi (0.34 MPa)		≥ 50 psi (0.34 MPa)	
	Water Absorption (ASTM C373)	As class[5]	As class[5]	As class[5]	As class[5]
	Color Uniformity[3] (ASTM C609 and Section 9.3)	N/A	V0 - 3 Judds	N/A	V0 - 3 Judds
	Crazing Resistance[2] (ASTM C424)	Pass		Pass	
	Thermal Shock[2] (ASTM C484)	Pass		N/A	N/A
	Chemical Resistance (ASTM C650)	As Reported	As Reported	As Reported	As Reported
	DCOF (Section 9.6)	0.42[7]		N/A	N/A
	Stain Resistance (ASTM C1378)	As Reported	As Reported	As Reported	As Reported
	Breaking Strength (ASTM C648)	Average ≥ 250 lbf. (1.11 kN)/Individual ≥ 225 lbf. (1.00 kN)		N/A	N/A
	Resistance to Freeze/Thaw Cycling[6] (ASTM C1026)	As Reported	As Reported	As Reported	As Reported

[1]Whichever is less
[2]Glazed Tile Only
[3]Class V0 Tile Only
[4]May not apply to textured surfaces or tiles with uneven back patterns
[5]Does not include type P1 - See Porcelain Table 10
[6]When installation subject to freeze/thaw conditions
[7]For level interior spaces expected to be walked upon when wet (see Section 6.2.2.1.10)
FOR REQUIREMENTS ON WORKMANSHIP, CUTTING, FITTING, AND GROUT JOINT SIZE, REFER TO ANSI A108.02 SECTION 4.3

BSR/UL 60745-1, Standard for Safety for Hand-Held Motor-Operated Electric Tools – Safety – Part 1: General Requirements

K.18 Abnormal operation

K.18.1 All tools when operating under battery power and their battery packs shall be so designed that the risk of fire or electric shock as a result of abnormal operation is obviated as far as is practical.

Compliance is checked by the following tests:

The battery tool and battery pack, as is appropriate, are to be placed on a soft wood surface covered by two layers of tissue paper; the battery tool and battery pack are to be covered by one layer of untreated 100% cotton medical gauze. The test is to be conducted until failure or until the test sample returns to room temperature. A new sample can be used for each fault listed below. There shall be adequate protection against electric shock as defined in Clause K.9 and no charring or burning of the gauze or tissue paper shall result when a battery tool and battery pack are subjected to any one of the following fault conditions shown below in tests a to f.

Charring is defined as a blackening of the gauze caused by combustion. Discolouration of the gauze caused by smoke is acceptable.

Thermal cut-outs and thermal overloads may operate during the above tests. In this case, the same test is to be repeated three more times, using three additional samples. The resistance for the short in items a), b), d), e) and f) shall not exceed 10 m∧.

a) The terminals of a detachable battery pack with exposed terminals are shorted. Battery pack terminals that can be contacted using either figure 1 or figure 2 probes are considered exposed. The means of shorting shall not attain excessive temperatures so as to char or ignite the tissue paper or gauze.

b) The motor terminals are shorted.

c) The motor rotor is locked.

d) A cord provided between the separable battery pack and the battery tool shall be shorted at the point likely to produce the most adverse effects.

e) A cord provided between the tool and the charger shall be shorted at the point likely to produce the most adverse effects.

f) For battery tools a short is introduced between any two uninsulated parts of opposite polarity not in accordance with the spacings given in clause K.28.

K.18.1DV.1 D2 *Modification: Replace Item (b) of Clause K.18.1 with the following:*

b) The terminals of each motor are shorted one at a time, except for electronically commutated motors.

K.18.1DV.2 D2 *Modification: Replace Item (c) of Clause K.18.1 with the following:*

c) The rotor of each motor is locked one at a time, except for electronically commutated motors.

BSR/UL 514C, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers

1. ***NEW EXCEPTION TO CONSTRUCTION REQUIREMENTS FOR BOXES AND COVERS INTENDED FOR USE WITH RIGID NONMETALLIC CONDUIT***

PROPOSAL

5.3.1 The requirements in Sections 6 - ~~18~~ 15 and 65 - 93 cover rigid nonmetallic, such as unplasticized polyvinyl chloride, boxes and covers, including blank covers.

5.3.2 The products covered by the requirements in Sections 6 - ~~18~~ 15 and 65 - 93 are intended to be joined in the field to rigid nonmetallic conduit.

5.3.3 The nonmetallic products covered by the requirements in Sections 6 - ~~18~~ 15 and 65 - 93 are considered to be inherently resistant to the corrosive influences of common industrial atmospheres including the vapors and mists of bases, hydrofluoric and chromic acids, and chromic acids, and pickling and plating baths. Resistance to specific reagents is covered in Resistance to Specific Reagents, Section 85 and in 92.3.1 and 92.3.2.

5.3.4 The outlet boxes covered by the requirements in Sections 6 - ~~18~~ 15 and 65 - 93 have an interior volume of 100 cubic inches (1639 cm^3) or less and are intended to provide access to wiring during installation of the wiring. They are also intended to enclose splices, taps, and wiring devices~~, but not intended for the support of fixtures/luminaires~~. From one to four unthreaded conduit-connection sockets are provided integrally with a PVC box, or the box is blank.

5.3.5 The conduit bodies covered by the requirements in Sections 6 - ~~18~~ 15 and 65 - 93 are pull boxes intended for use with nonmetallic conduit to enclose splices and taps and to support wiring devices not involving the generation of heat - for example, lampholders are not acceptable - mounted on cover plates. Blank covers are to be provided with the bodies. From one to four unthreaded conduit-connections sockets are to be provided integrally with the body.

5.3.6 The flush-device boxes covered by the requirements in Sections 6 - ~~18~~ 15 and 65 - 93 have an interior volume of 100 cubic inches (1639 cm^3) or less. Flush-device boxes made of PVC material are intended for use with nonmetallic conduit for the support of wiring devices not involving the generation of heat - for example, lampholders are not acceptable - with the wiring devices mounted directly in the box rather than on the cover but can also be used as junction and conduit bodies. Flush-device boxes may be provided with blank covers or flush-device cover plates. At least one unthreaded

conduit-connection socket or knockout is provided integrally with a PVC box, or the box is blank.

65 General

65.1 The construction of a box shall include means for attachment to rigid nonmetallic conduit. ~~A box shall not be provided with means for the mounting of a fixture/luminaire or equipment other than a wiring device such as a snap switch or a receptacle.~~

Exception: A box having blank sides for holes to be cut in the field for the attachment of conduit fittings need not comply with this requirement.

65.2 A box shall not be provided with means for the mounting of a fixture/luminaire or equipment other than a wiring device such as a snap switch or a receptacle unless the box acts solely as an enclosure and is not relied upon solely for the securement or support of a fixture/luminaire or equipment. Such a box is to be:

a. provided with steel hardware or steel support brackets intended to provide securement and support of a fixture/luminaire or equipment to a structural member;

b. meet the material requirements of 19.3; and

c. when assembled is required to yield compliant results when subjected to the applicable support tests in this standard.

BSR/UL 1561, Standard for Safety for Dry-Type General Purpose and Power Transformers

1. Proposal to add cooper bus bar requirements

11.11 The cross section of a bus bar as specified in 11.10 and 11.12 may be reduced by no more than 5 percent due to rounding, shaping, or dimensional tolerances.

11.12 Copper bus bars should be sized based on the transformer full load current determined in accordance with 21.4 and the following:

a) the current density of copper shall not be less than 1000 A/in^2 (1.55 A/mm^2);

b) the current density of the contact area at a bolted copper joint shall not be less than 200 A/in^2; and

c) each bus bar shall be plated at each joint with tin, silver, or nickel.

11.13 Unplated copper bus bars shall meet the temperature requirements in Table 23.1.

Table 23.1

Maximum temperature rises

Material or component	°C
a) Fiber used as electrical insulation	50
b) Any point on a surface adjacent to a transformer, including the surface on which the transformer is mounted	50
c) Insulated wire	40°C less than its recognized temperature rating
d) Any point within a terminal or wiring compartment that a field-installed conductor might contact, including such a conductor itself, unless the transformer is marked in accordance with 38.12.3	
1) Field-wiring conductor current rating of 100 amperes or less	20[a,b]
2) Field-wiring conductor current rating of greater than 100 amperes	35[a,b]
e) Any point on the exterior of the transformer enclosure, except as indicated in 23.2.1 and 23.3.1	50
f) Transformer winding insulation systems (resistance method)	

Insulation System	Ambient	Hot Spot Differential	
Class 105	40	10	55
Class 130	40	15	75
Class 155	40	20	95
Class 180	40	25	115
Class 200	40	25	135
Class 220	40	30	150
Class 240	40	35	165
g) Polymeric insulation materials			40°C less than its recognized temperature rating
h) Bolted joints involving aluminum except where lower limit is specified in (d)			65

[a] The temperature on a wiring terminal or lug is measured at the point most likely to be contacted by the insulation of a conductor installed as in actual service.

[b] If the rise is 35°C or less and an aluminum bodied connector is used or aluminum wire is intended, the connector shall be marked AL7CU or AL9CU. If the terminal temperature rise exceeds 35°C but does not exceed 50°C, the connector shall be marked AL9CU. See 38.12.3 and 38.12.4 for additional markings.

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

PROPOSALS

Note from the STP Project Manager: For brevity, only the affected portion of Table 47.1 is shown.

Table 47.1

Index to insulation and jacket materials

Material	Applicable table(s) or paragraphs in this standard
EPCV	
90°C Insulation	Table 50.62
EVA	
90°C insulation and jacket	Table 50.246
105°C insulation and jacket	Table 50.247

(NEW TABLE)

Table 50.246

Physical properties of 90°C Thermoplastic EVA[a] insulation and jacket

Condition of specimens at time of measurement	Minimum ultimate elongation (1-inch or 25-mm bench marks)	Minimum tensile strength
Unaged	125 percent	1500 lbf/in^{2}or
		10.3 MPa
Aged in a full-draft circulating-air oven for:		
168 h at 121.0 ±1.0°C (249.8 ±1.8°F)	65 percent of the result with unaged specimens	85 percent of the result with unaged specimens

[a]Thermoplastic EVA designates either:

a) An EVA copolymer, or

b) EVA copolymer blended with a PE -based compound. The compound contains at least 5 percent vinyl acetate as a percentage of the total polymer content.

(NEW TABLE)

Table 50.247

Physical properties of 105°C Thermoplastic EVA[a] insulation and jacket

Condition of specimens at time of measurement	Minimum ultimate elongation (1-inch or 25-mm bench marks)	Minimum tensile strength
Unaged	130 percent	1400 lbf/in^{2}or
		9.6 MPa

Aged in a full-draft circulating-air oven for:		
168 h at 136.0 ±1.0°C (276.8 ±1.8°F)	50 percent of the result with unaged specimens	105 percent of the result with unaged specimens

[a]Thermoplastic EVA designates either:

a) An EVA copolymer, or

b) EVA copolymer blended with a PE -based compound. The compound contains at least 5 percent vinyl acetate as a percentage of the total polymer content.

BSR/UL 2560, Standard for Safety for Emergency Call Systems for Assisted Living and Independent Living Facilities

1. Proposal to add alternate standard as option to UL 60950

4.3 Products that currently meet all the requirements of 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, fulfill the requirements of Table 4.1.

Table 4.1

Construction safety requirements met by compliance with UL 60950-1 or UL 62368-1

Requirements	Paragraph(s)
Enclosures - sheet metal	5.3.1 - 5.3.6
Enclosures - non-metallic	5.4.1 - 5.4.5
Enclosures - ventilating openings involving perforated sheet metal and/or expanded metal mesh	5.5.5
Enclosures - covers	5.6.1 - 5.6.4
Enclosures - observation opening covers	5.7.1 - 5.7.4
Electric Shock	6.1 - 6.4
Corrosion Protection	7.1, 7.2
Field wiring system connections - general	8.1.1, 8.1.2
Field wiring system connections - terminals	8.2.1.1, 8.2.2.2
Field wiring system connections - equipment grounding connection	8.5.1 - 8.5.3
Field wiring system connections - supply connections	8.6.1.1 - 8.6.2.2
Field wiring system connections - grounded supply connector connection	8.7.1, 8.7.2
Field wiring system connections - compartments	8.8.1
Field wiring system connections - strain relief	8.9.1
Internal wiring	9.1.1 - 9.5.6
Bonding for ground	10.1 - 10.9
Components - printed-wiring boards	11.1.1
Components - coil windings	11.2.1, 11.2.2
Components - switches	11.3.1
Components - lamp holders and lamps	11.4.1 - 11.4.4
Components - connectors and receptacles	11.6.1

Components - current carrying parts	11.9.1, 11.9.2
Components - insulating material	11.10.1 - 11.10.6
Components - mounting of parts	11.11.1 - 11.11.4
Components - operating mechanisms	11.12.1 - 11.12.5
Spacings	14.1 - 14.5

16.6 Products that currently meet all the requirements of 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, fulfill the requirements of Table 16.2.

Table 16.2

Testing requirements met by compliance with UL 60950-1 or UL 62368-1

Requirement	Section
Electric Shock Current Test	Section 27
Dielectric-Voltage Withstand Test	Section 30
Tests for Special Terminal Assemblies	Section 35
Polymeric Material Tests	Section 36
Production-Line Dielectric Voltage-Withstand Test	Section 42
Production-Line Grounding Continuity Test	Section 43

39.3 Following the impact, the equipment is to be examined for damage and energized from a source of rated voltage and frequency and checked for the intended operation. Cracking of the enclosure is acceptable if it does not impair the primary operation.

Exception: A visual-indicating device for the call notification station, when intended to be installed and operated in the vertical plane, and when evaluated to the requirements in the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1; or the Standard for Audio, Video and Similar Electronic Apparatus - Safety Requirements, UL 60065 or the Standard for Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, is not required to be subjected to this test.