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# Project Initiation Notification System (PINS)

Section 2.5.1 of the *ANSI Essential Requirements* ([www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)) describes the Project Initiation Notification System (PINS) and includes requirements associated with a PINS Deliberation. Following is a list of PINS notices submitted for publication in this issue of ANSI Standards Action by ANSI-Accredited Standards Developers (ASDs). Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for information about American National Standards (ANS) maintained under the continuous maintenance option, as a PINS to initiate a revision of such standards is not required. 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 interested parties wishing to receive more information or to submit comments are to contact the sponsoring ANSI-Accredited Standards Developer directly **within 30 calendar days** of the publication of this PINS announcement.

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## **AAFS (American Academy of Forensic Sciences)**

Teresa Ambrosius <[tambrosius@aafs.org](mailto:tambrosius@aafs.org)> | 410 North 21st Street | Colorado Springs, CO 80904 [www.aafs.org](http://www.aafs.org)

### ***New Standard***

BSR/ASB TR 189-202x, Technical Report for the Forensic Reliability of eSignatures for a Determination of Authorship (new standard)

Stakeholders: All Forensic Document Examiners, in both the private and public sectors. This technical report may also impact attorneys and other individuals and/or businesses that use eSignatures.

Project Need: Since approximately the year 2000, eSignatures have been accepted as legally binding replacements for pen and paper signatures. The requirements for what constitutes a valid eSignature vary on a country-by-country basis. While documents have become increasingly digital over this time frame, the question of determining authorship has remained firmly under the purview of forensic document examination. With eSignatures increasingly replacing handwritten signatures, it is important for Forensic Document Examiners to understand the various types of eSignatures, and their relative forensic reliability for a determination of authorship.

Interest Categories: Academics and Researchers, General Interest, Jurisprudence and Criminal, Justice, Organizations, Producer, User - Government, and User - Non-Government.

Scope: This technical report provides an overview of the types of eSignatures that are currently deployed and their relative forensic reliability for the determination of authorship by a Forensic Document Examiner.

**ACI (American Concrete Institute)**

Shannon Banchemo <[shannon.banchemo@concrete.org](mailto:shannon.banchemo@concrete.org)> | 38800 Country Club Drive | Farmington Hills, MI 48331 [www.concrete.org](http://www.concrete.org)

***New Standard***

BSR/ACI CODE-323-202x, Low-Carbon Concrete (new standard)

Stakeholders: Environmental, construction.

Project Need: Legislation, “green” codes, and “green” building code language is moving quickly across the nation and world. Many of these documents do not mention the regional nature of concrete. The concrete industry needs to take leadership and develop a code that addresses the issues and regionality in a practical way. ACI can accomplish as a respected, non-trade association that develops consensus-based documents.

Interest Categories: Licensed design professionals, architects, building officials.

Scope: The scope of the code will be on the reduction of carbon dioxide in concrete. Reuse and repair of existing structures will be covered. The topics for new structures will include:

- Paths to compliance;
- Life cycle assessment (cradle-to-grave);
- Embodied life cycle assessment (cradle-to-grave; LCA/EPD) budget approach;
- Percent reduction from Buy Clean limits where applicable;
- Other possible approaches that encourage EPD development; and
- Resiliency.

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

Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)> | 2311 Wilson Boulevard, Suite 400 | Arlington, VA 22201-3001 [www.ahrinet.org](http://www.ahrinet.org)

***New Standard***

BSR/AHRI Standard 110 (SI/I-P)-202x, Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages (new standard)

Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators, and trade or professional organizations.

Project Need: The purpose of this standard is to establish definitions, voltage rating requirements, equipment performance requirements, and conformance conditions for air-conditioning, heating and refrigerating equipment.

Interest Categories: Component Manufacturer, General Interest, Product Manufacturer, Testing Laboratory.

Scope: This standard applies to 50 Hz and 60 Hz electrical voltage ratings and operating limits as applied to air-conditioning, heating, and refrigerating equipment; heat pumps; and electric furnaces as well as components. Voltages less than 100V AC are not included in this standard.

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

Carla Companion <[companion@asabe.org](mailto:companion@asabe.org)> | 2950 Niles Road | Saint Joseph, MI 49085 <https://www.asabe.org/>

**Withdrawal**

ANSI/ASABE AD10448-NOV2014 (R2018), Agricultural tractors - Hydraulic pressure for implements (withdrawal of ANSI/ASABE AD10448-NOV2014 (R2018))

Stakeholders: Agricultural tractor and interchangeable equipment manufacturers.

Project Need: Current ISO version, ISO 10448:2021, will be placed on the ASABE Recognized Document list to replace the adoption with deviations. Latest ISO 10448:2021 edition reflects USA requirements.

Interest Categories: Academia, Compliance, Design, General Interest, Producer, Safety, User.

Scope: Specifies the characteristics of the hydraulic pressure from agricultural tractors to connect hydraulic devices on implements, to permit interchangeable use of various types of implements using remote cylinders and other hydraulic devices. It applies to agricultural tractors intended for interchangeable implements.

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

Terrell Henry <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, M/S 6-2B | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

**Revision**

BSR/API 579-1/ASME FFS-1-202x, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2021)

Stakeholders: Refining and petrochemical, fossil electric power, pulp and paper, and nuclear.

Project Need: Update standard to reflect current industry practices.

Interest Categories: AF-General Interest AH-Insurance/Inspection CM-Chemical Manufacturing DE-Design/Engineering PA-Pulp & Paper PC-Pipeline Companies PG-Power Generation RM-Repair Manufacturing PP-Petroleum Production PR-Petroleum Refining.

Scope: This Standard provides guidance for conducting FFS assessments using methodologies specifically prepared for pressurized equipment. The Fitness-For-Service guidelines provided in this Standard can be used to make run-repair-replace decisions to help determine if components in pressurized equipment containing flaws that have been identified by inspection can continue to operate safely for some period of time.

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

Terrell Henry <[ansibox@asme.org](mailto:ansibox@asme.org)> | Two Park Avenue, M/S 6-2B | New York, NY 10016-5990 [www.asme.org](http://www.asme.org)

**Revision**

BSR/ASME B31P-202x, Standard Heat Treatments for Fabrication Processes (revision of ANSI/ASME B31P-2017)

Stakeholders: Industries that utilize pressure piping constructed to the ASME B31 Code including - Power Piping, Process Piping, Liquid and Slurry Piping Transportation Systems, Refrigeration Piping, Gas Transmission and Distribution Piping, and Building Services Piping.

Project Need: Update standard to reflect current industry practices.

Interest Categories: AK-Manufacturers, AW-Users, AP-Pipeline Operator/Owner, AA-Constructor, AB-Designer, AT-Regulatory, AH-Insurance/Inspection, AF-General Interest.

Scope: This Standard provides requirements for heat treatment of piping assemblies that meet the requirements of ASME B31 Code Sections. These requirements apply to (a) preheating, (b) postweld heat treatment (PWHT), (c) postforming heat treatment (PFHT) required by the ASME B31 Code Sections for other fabricated assemblies including forming operations such as bending, and (d) heat treatments required by contract documents.

**ASTM (ASTM International)**

Laura Klineburger <[accreditation@astm.org](mailto:accreditation@astm.org)> | 100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 [www.astm.org](http://www.astm.org)

**New Standard**

BSR/ASTM WK85672-202x, New Practice for Heat Butt-Fusion Joining of Very Thick Wall (2-inches) Bi-modal High Density Polyethylene Pipe and Fittings for Industrial and Municipal Applications (new standard)

Stakeholders: Joining Industry.

Project Need: This Standard Procedure establishes a range of qualified procedures known to work with thick-wall bimodal pipe and fittings.

Interest Categories: Interest Categories: Producer, User, General Interest.

Scope: This Standard Procedure establishes the general steps and specific procedures used for the construction and quality assessment of butt fusion joints for very thick-wall pipe and fittings, made with well maintained fusion machines of sufficient power and force to join them, both in a factory and in field construction.

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

Drew Greco <[dgreco@atis.org](mailto:dgreco@atis.org)> | 1200 G Street NW, Suite 500 | Washington, DC 20005 [www.atis.org](http://www.atis.org)

**Revision**

BSR/ATIS 0600003-202x, Battery Enclosures and Rooms/Areas (revision of ANSI/ATIS 0600003-2018)

Stakeholders: Communications Industry.

Project Need: There is a need to revise ATIS 0600003.2018, Battery Enclosures and Rooms/Areas, to provide updates for modern products and terminology.

Interest Categories: General Interest, Producer, User.

Scope: The purpose of this standard is to develop industry-wide requirements including methods and procedures for the control of battery room and enclosure environments. This includes adequate ventilation of battery-generated gases, the dissipation of battery-generated heat, the control of room and enclosure temperature, the management of battery electrolyte spills, and – in general – the control of any contaminants within the battery room or enclosure.

**AWS (American Welding Society)**

Stephen Borrero <[sborrero@aws.org](mailto:sborrero@aws.org)> | 8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 [www.aws.org](http://www.aws.org)

**Revision**

BSR/AWS D10.4M/D10.4-202x, Guide for Welding Austenitic Stainless Steel Piping and Tubing (revision of ANSI/AWS D10.4M/D10.4-2023)

Stakeholders: Engineers, students, welders, program managers, government agencies, civil engineers, automotive industry, aerospace industry, marine and shipbuilding industry, plastics industry, structural industry, higher education instructors, structural steel fabricators, welding equipment manufacturers, welding filler metal manufacturers, welding consultants, structural steel engineering firms, structural steel inspectors and firms, and testing agencies.

Project Need: There is a need to provide information on new materials and how to weld them that are relevant for modern welding technology. This includes all the newest high-carbon stainless steels.

Interest Categories: Producer, User, General Interest, Educator.

Scope: This document presents a detailed discussion of the metallurgical characteristics and weldability of many grades of austenitic stainless steel used in piping and tubing. The delta ferrite content as expressed by Ferrite Number (FN) is explained, and its importance in minimizing hot cracking is discussed. Several figures and tables illustrate recommended joint designs and procedures. Annex A presents information on the welding of high-carbon stainless steel cast pipe and fittings.

**CSA (CSA America Standards Inc.)**

Debbie Chesnik <[ansi.contact@csagroup.org](mailto:ansi.contact@csagroup.org)> | 8501 East Pleasant Valley Road | Cleveland, OH 44131-5575 [www.csagroup.org](http://www.csagroup.org)

**Revision**

BSR/CSA NGV 6.1-202x, Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (revision of ANSI/CSA NGV 6.1-2022)

Stakeholders: Natural gas vehicle manufacturers, CNG infrastructure, regulators.

Project Need: Safety.

Interest Categories: General Interest, Gas Supplier, Component Manufacturer, User Interest, Vehicle OEM/system manufacturer/integrator/station packager.

Scope: Standard for the design, installation, inspection, repair, and maintenance of the fuel storage and delivery system installed in on road vehicles for use with compressed natural gas (CNG). This includes fuel systems on self-propelled vehicles for the provision of motive power. This standard does not apply to (a) stationary engines; (b) mobile equipment using natural gas as a fuel for other than propulsion; or (c) electronic components or controls strategy of a fuel management system.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 972-2018 (R202x), Specification for M12 Power Circular Connector (reaffirmation of ANSI/EIA 972-2018)

Stakeholders: Electrical, electronic, and telecommunications industries.

Project Need: Reaffirm current ANS.

Interest Categories: User, Producer, General Interest.

Scope: This specification contains the connector types specified for M12 power circular connectors, typically used for automation applications and data/communications in industrial premises.

**ECIA (Electronic Components Industry Association)**

Laura Donohoe <[ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org)> | 13873 Park Center Road, Suite 315 | Herndon, VA 20171 [www.ecianow.org](http://www.ecianow.org)

**Reaffirmation**

BSR/EIA 973-2018 (R202x), Specification for M12 Hybrid (Data and Power) Circular Connector (reaffirmation of ANSI/EIA 973-2018)

Stakeholders: Electrical, electronic, and telecommunications industries.

Project Need: Reaffirm current ANS.

Interest Categories: User, Producer, General Interest.

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

**HI (Hydraulic Institute)**

Arunima Chatterjee <[achatterjee@pumps.org](mailto:achatterjee@pumps.org)> | 300 Interpace Parkway, Building A, 3rd Floor, #280 | Parsippany, NJ 07054  
[www.pumps.org](http://www.pumps.org)

**Revision**

BSR/HI 9.6.9-202x, Rotary Pumps – Guidelines for Condition Monitoring (revision of ANSI/HI 9.6.9-2018)

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

Project Need: The need of this project is to revise the standard.

Interest Categories: General, producers and users.

Scope: This guideline is intended to give the pump user a tool for condition monitoring of rotary positive displacement pumps but does not directly address process management systems.

**ICC (International Code Council)**

Karl Aittaniemi <[kaittaniemi@iccsafe.org](mailto:kaittaniemi@iccsafe.org)> | 4051 Flossmoor Road | Country Club Hills, IL 60478 [www.iccsafe.org](http://www.iccsafe.org)

**New Standard**

BSR/ICC/THIA 1215-202x, Design, Construction and Regulation of Tiny Houses for Permanent Occupancy (new standard)

Stakeholders: Tiny house builders, building code officials, building product manufacturers, architects, engineers, third-party plan review and inspection agencies, consumer advocates, homeowners and renters.

Project Need: Tiny houses are growing in popularity as communities look to address affordable housing issues and homebuyers are looking for new housing options. This standard will codify existing requirements for the design, construction, and certification of tiny houses used as permanent dwellings into a single standard and address identified gaps in available requirements for permanent foundations and chassis. The 2021 International Residential Code (including Appendix AQ), and ICC/MBI Standards 1200 and 1205 will serve as the initial base documents with references to other existing standards.

Interest Categories: Manufacturer, Builder, Standards Promulgator/Testing Laboratory, User, Utility, Consumer, Public Segment, Government Regulator, Insurance.

Scope: This standard will provide minimum requirements for the design, construction, inspection, certification and regulatory compliance of tiny houses used for permanent occupancy to assure public safety, sustainability and resilience. The standard will include: consensus definitions for tiny houses and related terminology; prescriptive and performance-based compliance methods for tiny house permanent foundations and chassis; and plan review, inspection and certification requirements for tiny houses constructed on-site and off-site. The standard will address tiny houses built on a foundation and those with wheels and a permanent chassis intended for permanent occupancy. The 2021 International Residential Code (including Appendix AQ), and ICC/MBI Standards 1200 and 1205 will serve as the initial base documents with references to other existing standards. The standard will be written in mandatory code-intended language to support use by manufacturers and adoption by jurisdictions globally. This standard will not address tiny houses used for temporary or seasonal occupancy, tiny houses installed on temporary foundations, or tiny house community development or microgrids.

## **IIAR (International Institute of Ammonia Refrigeration)**

Tony Lundell <[tony\\_lundell@iiar.org](mailto:tony_lundell@iiar.org)> | 1001 North Fairfax Street | Alexandria, VA 22314 [www.iiar.org](http://www.iiar.org)

### **Revision**

BSR/IIAR 9-2020 Addendum A-202x, Minimum System Safety Requirements for Existing Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 9-2020)

Stakeholders: End users as owners/operators, contractors as designers, installers, and/or servicers, and manufacturers of ammonia refrigeration components and equipment used in closed-circuit ammonia refrigeration systems.

Project Need: This project is to provide changes to normative sections of the IIAR 9 Standard to address interpretations as an Addendum.

Interest Categories: Manufacturer: Manufacturers and manufacturer's representatives of companies that assemble components and install the assembled equipment where the majority of their income is derived from the assembly of components for resale as complete units.

Contractor: Persons or organizations that install, design and install, or maintain ammonia refrigeration systems or equipment, where a majority of their income is derived from providing these services.

Operator/Owner: Owners or operators of ammonia refrigeration systems, such as food processors, refrigerated warehouses, etc.

General Interest: Other persons or organizations that includes code/standards bodies, trade or professional organizations, educational institutions, consulting engineers, etc.

Scope: IIAR 9 provides the minimum system safety requirements for existing closed-circuit ammonia refrigeration systems. IIAR 9 provides a method to determine if existing stationary closed-circuit refrigeration systems using ammonia as the refrigerant comply with minimum system safety requirements.

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

Rachel Porter <[comments@standards.incits.org](mailto:comments@standards.incits.org)> | 700 K Street NW, Suite 600 | Washington, DC 20001 [www.incits.org](http://www.incits.org)

### **New Standard**

INCITS 582-202x, Information Technology - Fibre Channel - Framing and Signaling - 7 (FC-FS-7) (new standard)

Stakeholders: Consumers and developers of Fibre Channel devices and systems benefit from this standard through a wider variety of value propositions in products available on the open market.

Project Need: As Fibre Channel evolves with changes to speed, new upper level protocols, and new functions, FC-FS-7 is needed to describe any changes to Fibre Channel Framing and Signaling. FC-FS-7 will be a highly compatible extension to FC-FS-6 and will be an entire standard and not a delta from FC-FS-6. The project may also involve the deletion or obsoleting of outdated functions and features of FC-FS-6, support of new functions defined by the FC family of documents, the inclusion of improvements and clarifications to the definitions of existing services as dictated by experience with existing implementations, and other capabilities which will improve the performance of existing FC products and fit those products for new applications.

Interest Categories: Producer-Hardware, Producer-Software, Producer-General, Distributor, Service Provider, User, Consultants, Government, SDO and Consortia, Academic Institution, General Interest

Scope: Recommends the development of a set of technical additions and clarifications to INCITS Fibre Channel/Project 562, Fibre Channel - Framing and Signaling - 6 (FC-FS-6). Included within this scope are: (a) obsoleting Arbitrated Loop, (b) clarifications of any existing ambiguities, (c) any items deemed necessary to support higher data rates and (d) any other item as deemed necessary during development.

## **NETA (InterNational Electrical Testing Association)**

Tania Brammer <[tbrammer@netaworld.org](mailto:tbrammer@netaworld.org)> | 3050 Old Centre Road, Suite 101 | Portage, MI 49024 [www.netaworld.org](http://www.netaworld.org)

### **Revision**

BSR/NETA ECS-202X, Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems (revision of ANSI/NETA ECS-2020)

Stakeholders: Commissioning agents, governmental agencies, A&E firms, inspection authorities, owners of facilities that utilize large blocks of electrical energy, electrical testing firms.

Project Need: The purpose of these specifications is to assure that tested electrical systems are safe, reliable, and operational; are in conformance with applicable standards and manufacturers' tolerances; and are installed in accordance with design specifications. These specifications are specifically intended for application on electrical power equipment and systems.

Interest Categories: (1) Producers: An individual or entity that provides electrical testing services. (2) Users: An individual or entity that uses electrical testing services. (3) General Interest: General Interest members are neither Producers nor Users. This category includes, but is not limited to, test equipment manufacturer representatives, electrical equipment manufacturer representatives, electrical inspectors, electrical contractors, regulatory agencies (state and federal), researchers, and educators. However, if the members of such organizations and/or associations are Producers and/or Users, the organization and/or association shall be classified in accordance with the classification of its members.

Scope: These specifications describe the systematic process of documenting, and placing into service newly installed, or retrofitted electrical power equipment and systems. This document shall be used in conjunction with the most recent edition of the ANSI/NETA ATS Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems. The individual electrical components shall be subjected to factory and field tests, as required, to validate the individual components. It is not the intent of these specifications to provide comprehensive details on the commissioning of mechanical equipment, mechanical instrumentation systems, and related components. This standard is not intended to be submitted for consideration as an ISO, IEC, or ISO/IEC JTC-1 standard.

## **NFPA (National Fire Protection Association)**

Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)> | One Batterymarch Park | Quincy, MA 02169 [www.nfpa.org](http://www.nfpa.org)

### **Revision**

BSR/NFPA 302-202x, Fire Protection Standard for Pleasure and Commercial Motor Craft (revision of ANSI/NFPA 302-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U), Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications.

Scope: 1.1 Scope. 1.1.1 This standard shall establish minimum requirements for the prevention of fire and explosion, for mitigation of carbon monoxide hazards, and for life safety in case of fire, on boats specified in Section 1.3. 1.1.2 This standard shall establish minimum requirements for the following: (1) Elimination of ignition sources; (2) Ventilation of accommodation spaces, fuel tank compartments (if separate from machinery spaces), and machinery spaces; (3) Use of combustible materials; (4) Fire-extinguishing equipment and fire exits; (5) Control of fire-extinguishing agents in machinery spaces; and (6) Mitigation of carbon monoxide hazards from all sources.

**NFPA (National Fire Protection Association)**

Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)> | One Batterymarch Park | Quincy, MA 02169 [www.nfpa.org](http://www.nfpa.org)

**Revision**

BSR/NFPA 801-202x, Standard for Fire Protection for Facilities Handling Radioactive Materials (revision of ANSI/NFPA 801-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications.

Scope: 1.1 Scope. 1.1.1 This standard addresses fire protection requirements intended to reduce the risk of fires and explosions at facilities handling radioactive materials. A.1.1.1 The objectives of this standard are to reduce personal hazards, provide protection from property damage, and minimize process interruption resulting from fire and explosion. Radioactive contamination might or might not be a factor in these risks. 1.1.2 This standard shall not apply to commercial power-generating reactors that are covered by NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants; NFPA 805, Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants; and NFPA 806, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process.

**NFPA (National Fire Protection Association)**

Dawn Michele Bellis <[dbellis@nfpa.org](mailto:dbellis@nfpa.org)> | One Batterymarch Park | Quincy, MA 02169 [www.nfpa.org](http://www.nfpa.org)

**Revision**

BSR/NFPA 2113-202x, Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire (revision of ANSI/NFPA 2113-2020)

Stakeholders: Manufacturers, users, installers/maintainers, labor, enforcing authorities, insurance, consumers, special experts, and research and testing.

Project Need: Public interest and need.

Interest Categories: Manufacturer (M), User (U, Installer/Maintainer (I/M), Labor (L), Applied Research/Testing Laboratory (R/T), Enforcing Authority (E), Insurance (I), Consumer (C), and Special Expert (SE)

Please refer to the following link <https://www.nfpa.org/tcclass> for more information about our classifications.

Scope: 1.1 Scope. 1.1.1 This standard shall specify the minimum selection, care, use, and maintenance requirements for flame-resistant garments for use by industrial personnel in areas at risk from short-duration thermal exposures from industrial fires that are compliant with NFPA 2112. 1.1.2 This standard shall not apply to protective clothing for wildland fire fighting, technical rescue, structural fire fighting, proximity fire fighting, or any other fire-fighting operations, or hazardous materials emergencies.

## **RVIA (Recreational Vehicle Industry Association)**

Tyler Reamer <[treamer@rvia.org](mailto:treamer@rvia.org)> | 2465 J-17 Centreville Road, #801 | Herndon, VA 20171 [www.rvia.org](http://www.rvia.org)

### **Revision**

BSR/RVIA A119.5-202x, Park Model Recreational Vehicle Standard (revision and redesignation of ANSI A119.5-2020)

Stakeholders: Park Model Recreational Vehicle Manufacturers, Park Model Recreational Vehicle Component suppliers, and Consumers of Park Model Recreational Vehicles.

Project Need: Members of the engineering profession and others associated with the design, manufacture, and inspection of Park Model Recreational Vehicles have been aware of the need for a standard providing for healthful and safe, portable, seasonal housing, arranged and equipped to assure suitable living conditions. They have also recognized that because of conditions of transport, size, and use, existing standards for permanent buildings and recreational vehicles are not completely applicable to Park Model Recreational Vehicles.

Interest Categories: General Interest, Independent Expert, Distributor, Insurance, User, Producer, Government, and Testing Lab.

Scope: This standard covers fire and life safety criteria and plumbing for Park Model Recreational Vehicles considered necessary to provide a reasonable level of protection from loss of life from fire and explosion. It reflects situations and the state of the art prevalent at the time the Standard was issued. Unless otherwise noted, it is not intended that the provisions of this document be applied to facilities, equipment, structures, or installations which were existing or approved for construction or installation prior to the effective date of the document, except in those cases where it is determined by the Authority Having Jurisdiction that the existing situation involves a distinct hazard to life or adjacent property.

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

Katelyn Simpson <[KSimpson@tileusa.com](mailto:KSimpson@tileusa.com)> | 100 Clemson Research Blvd. | Anderson, SC 29625 [www.tcnatile.com](http://www.tcnatile.com)

### **New Standard**

BSR A118.20-202x, Specifications for Uncoupling Membranes for Thin-set Ceramic Tile and Dimension Stone Installation (new standard)

Stakeholders: Ceramic tile installers, contractors, and builders (labor interest category), related material manufacturers (manufacturing interest category), distributors, retailers and consumers (user interest category), and affiliated industries and other general interest users of this standard (general interest category).

Project Need: Various stakeholders have suggested that a new specification be created for uncoupling membranes.

Interest Categories: Labor, manufacturing, user, general interest.

Scope: This specification is for Uncoupling membranes that are geometrically configured to provide air space between the tile and the substrate to allow independent movement between the two and limit the transfer of stresses from the substrate to the ceramic tile or dimension stone covering. Membranes covered by this specification are bonded to a variety of manufacturer-approved substrates covered by ANSI specifications. Ceramic tile and dimension stone are installed directly over uncoupling membranes using the thin-bed method.

# Call for Comment on Standards Proposals

## American National Standards

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.
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## Comment Deadline: May 7, 2023

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Revision

BSR/ASME B16.33-202x, Manually Operated Metallic Gas Valves for Use in Gas Piping Systems Up to 175 psi (Sizes NPS through NPS 2) (revision of ANSI/ASME B16.33-2012 (R2017))

This Standard covers requirements for manually operated metallic valves sizes NPS 1/2 through NPS 2, for outdoor installation as gas shutoff valves at the end of the gas service line.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Andres Carrion <[CarrionA@asme.org](mailto:CarrionA@asme.org)>

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#### Revision

BSR/ASME B16.38-202x, Large Metallic Valves for Gas Distribution Manually Operated, NPS 2 (DN 65) to NPS 12 (DN 300), 125 psig (8.6 bar) Maximum (revision of ANSI/ASME B16.38-2012 (R2017))

This Standard covers requirements for manually operated metallic valves in nominal sizes 2-1/2 (DN 65) through 12 (DN 300) having the inlet and outlet on a common centerline.

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#### Revision

BSR/ASME B16.44-202x, Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi (revision of ANSI/ASME B16.44-2012 (R2017))

This Standard applies to new valve construction and covers quarter turn manually operated metallic valves in sizes NPS 4-1/4 and tubing sizes 1-1/4 O.D.

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Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Andres Carrion <[CarrionA@asme.org](mailto:CarrionA@asme.org)>

### IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org), [www.ies.org](http://www.ies.org)

#### Revision

BSR/IES TM-33-23-202x, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018)

This document specifies an electronic (XML-based) data format for the transfer of luminaire optical data useful for lighting design and analysis. Details about the XML document format, XML schema, XSLT transforms, the authority for the XML document format. This document is intended as a description of a specific implementation of an XML document, and is not a tutorial on the XML document format itself.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia McGillicuddy <[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)>

### ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | [Derrick.L.Martin@ul.org](mailto:Derrick.L.Martin@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 94-202x, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances (revision of ANSI/UL 94-2023)

This proposal is a clarification of significant digits of film thickness in Paragraphs 8.1.2 and 11.1.1.

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Derrick Martin <[Derrick.L.Martin@ul.org](mailto:Derrick.L.Martin@ul.org)>

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 414-202x, The Standard for Safety for Meter Sockets (revision of ANSI/UL 414-2022)

This revision of ANSI/UL 414 includes: (1) an editorial correction to section headings of Supplement SA, and (2) the addition of Supplement SC, Meter Socket Adapters with Branch Circuit Connections.

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#### Revision

BSR/UL 444-202X, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2021)

The following topics are proposed for review: (1) Addition of CMX Outdoor-Plenum; (2) Sunlight Resistance Test - Removal of Carbon-Arc; (3) Add laser marking to cable surface marking; and (4) Changes to 7.14.5 CMX and CMUC.

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

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333 Pfingsten Road, Northbrook, IL 60062 | [megan.monsen@ul.org](mailto:megan.monsen@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 498-202x, The Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2022)

This revision of ANSI/UL 498 is a clarification of requirements for receptacle grounding terminals.

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

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#### Revision

BSR/UL 746A-202x, Standard for Safety for Polymeric Materials - Short-Term Property Evaluations (revision of ANSI/UL 746A-2023)

This proposal involves the inclusion of requirements from Paragraph 9.9.3 into Table 9.1.

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

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## Comment Deadline: May 22, 2023

### AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### New Standard

BSR/ASB Std 170-202x, Standard for Veterinary Forensic Postmortem Examination (new standard)

This standard defines services rendered by a veterinarian acting in a forensic capacity and performing veterinary forensic postmortem examinations. The standard establishes minimum practices and procedural requirements for receipt of the body, external and internal examinations, identification, documentation, and sets ancillary testing and diagnostic support requirements. The standard also provides a reference for legal or law enforcement professionals.

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## Comment Deadline: May 22, 2023

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410 North 21st Street, Colorado Springs, CO 80904 | [tambrosius@aafs.org](mailto:tambrosius@aafs.org), [www.aafs.org](http://www.aafs.org)

#### ***New Standard***

BSR/ASB Std 180-202x, Standard for the Selection and Evaluation of GenBank® Results for Taxonomic Assignment of Wildlife (new standard)

This standard provides the requirements for selection and evaluation of DNA sequences retrieved from the National Center for Biotechnology Information's GenBank® and their subsequent use as reference material for taxonomic identification of wildlife. This standard does not cover the use of DNA sequences from other public sequence databases (e.g., BOLD, UNITE), the protocol for downloading sequences from GenBank® for inclusion in in-house databases, or the use of custom BLAST searches against GenBank®. However, the criteria can be conceptually applied to other sequence databases.

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### **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 | [eparks@abycinc.org](mailto:eparks@abycinc.org), [www.abycinc.org](http://www.abycinc.org)

#### ***New Standard***

BSR/ABYC P-18-202x, Cable Over Pulley Steering Systems for Outboard Engines (new standard)

This standard addresses the design and installation of cable over pulley steering systems. This standard applies to cable over pulley steering systems, and the major components thereof, between the helm and their connection to outboard engines up to, and including, 50 total horsepower (37 kW).

Single copy price: \$50.00

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### **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 | [eparks@abycinc.org](mailto:eparks@abycinc.org), [www.abycinc.org](http://www.abycinc.org)

#### ***Revision***

BSR/ABYC C-7-202x, Battery Switches (revision of ANSI/ABYC C-7-2021)

This standard addresses the design, construction, testing, and operating characteristics of battery switches used in electrical systems on boats operating at 60 V nominal or less.

Single copy price: \$50.00

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [cking@ashrae.org](mailto:cking@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

#### ***Addenda***

BSR/ASHRAE Addendum a to Standard 41.9-202x, Standard Methods for Refrigerant Mass Flow Measurement Using Calorimeters (addenda to ANSI/ASHRAE Standard 41.9-2021)

The purposes of 41.9-2021 Addendum a are to (a) update the steady-state criteria sections and (b) revise Informative Appendix A.

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#### **Revision**

BSR/ASHRAE Standard 41.8-202x, Standard Methods for Liquid Flow Measurement (revision of ANSI/ASHRAE Standard 41.8-2016)

This revision of Standard 41.8-2016 prescribes methods for liquid flow measurement.

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#### **Revision**

BSR/ASHRAE Standard 41.11-202x, Standard Methods for Power Measurement (revision of ANSI/ASHRAE Standard 41.11-2020)

This revision of Standard 41.11-2020 prescribes methods for power measurements. This version of the standard includes (a) updated methods for determining when steady-state operation has been achieved for data recording, and (b) changes to make it easier for higher-tier standards to adopt this standard by reference.

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#### **Revision**

BSR/ASME B16.20-202x, Metallic Gaskets for Pipe Flanges (revision of ANSI/ASME B16.20-2017)

This Standard covers materials, dimensions, tolerances, and markings for metal ring-joint gaskets, spiral-wound metal gaskets, metal-jacketed gaskets, and grooved metal gaskets with covering layers.

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#### **New Standard**

BSR/ASTM WK73063-202x, Guide for Maintenance of Marine Sanitation Devices (MSDs) and the Effects of Cleaning Agents on MSD Operations (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### ***New Standard***

BSR/ASTM WK73586-202x, Specification for Selection and Application of Thermal Insulation Systems on Liquefied Natural Gas (LNG) Type C Tanks (new standard)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### ***New Standard***

BSR/ASTM WK83602-202x, Guide for Continuity of Maritime Operations During the Onset of a Pandemic (new standard)

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#### ***Reaffirmation***

BSR/ASTM F682-1982A (R202x), Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings (reaffirmation of ANSI/ASTM F682-1982A (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### ***Reaffirmation***

BSR/ASTM F956-1991 (R202x), Specification for Bell, Cast, Sound Signalling (reaffirmation of ANSI/ASTM F956-1991 (R2018))

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#### **Reaffirmation**

BSR/ASTM F957-1991 (R202x), Specification for Gong, Sound Signaling (reaffirmation of ANSI/ASTM F957-1991 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1030-1986 (R202x), Practice for Selection of Valve Operators (reaffirmation of ANSI/ASTM F1030-1986 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1099M-2018 (R202x), Specification for Rat Guards, Ships (Metric) (reaffirmation of ANSI/ASTM F1099M-2018)

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#### **Reaffirmation**

BSR/ASTM F1173-2001 (R202x), Specification for Thermosetting Resin Fiberglass Pipe Systems to Be Used for Marine Applications (reaffirmation of ANSI/ASTM F1173-2001 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1182-2007 (R202x), Specification for Anodes, Sacrificial Zinc Alloy (reaffirmation of ANSI/ASTM F1182-2007 (R2020))

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#### **Reaffirmation**

BSR/ASTM F1270-1997 (R202x), Practice for Preparing and Locating Emergency Muster Lists (reaffirmation of ANSI/ASTM F1270-1997 (R2020))

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#### **Reaffirmation**

BSR/ASTM F1271-1990 (R202x), Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protections Applications (reaffirmation of ANSI/ASTM F1271-1990 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1297-1999 (R202x), Guide for Location and Instruction Symbols for Evacuation and Lifesaving Equipment (reaffirmation of ANSI/ASTM F1297-1999 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1298-1990 (R202x), Specification for Flexible, Expansion-Type Ball Joints for Marine Applications (reaffirmation of ANSI/ASTM F1298-1990 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1311-1990 (R202x), Specification for Large Diameter Fabricated Carbon Steel Flanges (reaffirmation of ANSI/ASTM F1311-1990 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Reaffirmation**

BSR/ASTM F1312-2020 (R202x), Specification for Brick, Insulating, High Temperature, Fire Clay (reaffirmation of ANSI/ASTM F1312-2020)

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#### **Reaffirmation**

BSR/ASTM F1330-1991 (R202x), Guide for Metallic Abrasive Blasting to Descale the Interior of Pipe (reaffirmation of ANSI/ASTM F1330-1991 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Reaffirmation**

BSR/ASTM F1348/F1348M-1997 (R202x), Specification for Pneumatic Rotary Descaling Machines (reaffirmation and redesignation of ANSI/ASTM F1348-1997 (R2020))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Reaffirmation**

BSR/ASTM F1511-2018 (R202x), Specification for Mechanical Seals for Shipboard Pump Applications (reaffirmation of ANSI/ASTM F1511-2018)

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#### **Reaffirmation**

BSR/ASTM F1548-2001 (R202x), Specification for Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications (reaffirmation of ANSI/ASTM F1548-2001 (R2018))

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#### **Reaffirmation**

BSR/ASTM F1994-2000 (R202x), Test Method for Shipboard Fixed Foam Firefighting Systems (reaffirmation of ANSI/ASTM F1994-2000 (R2019))

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#### **Reaffirmation**

BSR/ASTM F2798-2009 (R202x), Specification for Sealless Lube Oil Pump with Oil Through Motor for Marine Applications (reaffirmation of ANSI/ASTM F2798-2009 (R2018))

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#### **Reaffirmation**

BSR/ASTM F2934-2012 (R202x), Specification for Circular Metallic Bellows Type Expansion Joint for HVAC Piping Applications (reaffirmation of ANSI/ASTM F2934-2012 (R2018))

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#### **Reaffirmation**

BSR/ASTM F3285-2018 (R202x), Guide for Installation and Application of Type C Portable Tanks for Marine LNG Service (reaffirmation of ANSI/ASTM F3285-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM D4756-202x, Practice for Installation of Rigid Poly(Vinyl Chloride) (PVC) Siding and Soffit (revision of ANSI/ASTM D4756-2015 (R2021))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM D6259-202x, Practice for Determination of a Pooled Limit of Quantitation for a Test Method (revision of ANSI/ASTM D6259-2015 (R2019))

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#### **Revision**

BSR/ASTM D6792-202x, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM E230/E230M-202x, Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples (revision and redesignation of ANSI/ASTM E230-2022)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM E574-202x, Specification for Duplex, Base Metal Thermocouple Wire with Glass Fiber or Silica Fiber Insulation (revision of ANSI/ASTM E574-2019)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM E585/E585M-202x, Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable (revision and redesignation of ANSI/ASTM E585-2018)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM F683-202x, Practice for Selection and Application of Thermal Insulation for Piping and Machinery (revision of ANSI/ASTM F683-2021)

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM F1347-202x, Specification for Manually Operated Fueling Hose Reels (revision of ANSI/ASTM F1347-1991 (R2018))

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#### **Revision**

BSR/ASTM F1546-202x, Specification for Fire Hose Nozzles (revision of ANSI/ASTM F1546-1996 (R2018))

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#### **Revision**

BSR/ASTM F2016-202x, Practice for Establishing Shipbuilding Quality Requirements for Hull Structure, Outfitting, and Coatings (revision of ANSI/ASTM F2016-2000 (R2018))

<https://www.astm.org/get-involved/technical-committees/ansi-review>

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#### **Revision**

BSR/ASTM F2935-202x, Specification for Chocks, Panama, Mooring Cast Steel (revision of ANSI/ASTM F2935-2012)

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#### **Revision**

BSR/ASTM F2936-202x, Specification for Chocks, Ship Mooring, Cast Steel (revision of ANSI/ASTM F2936-2012 (R2018))

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

#### **Reaffirmation**

BSR/ATIS 0600015.07-2018 (R202x), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - Wireline Access, Broadband Equipment (reaffirmation of ANSI/ATIS 0600015.07-2018)

The standard provides the methodology by vendors and third party independent laboratories in the formation of a telecommunications energy efficiency ratio. The requirements and definitions in this document are for Wireline Access equipment that provides standards-based asymmetric broadband service and is deployed in the telecommunications industry. This supplemental standard represents one part of the larger ATIS suite of standards concerning Telecommunications Energy Efficiency (ATIS 0600015). This supplemental standard (ATIS 0600015.07.2013) specifically addresses access equipment and is to be used in conjunction with ATIS 0600015.

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#### **Reaffirmation**

BSR/ATIS 0600015-2018 (R202x), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - General Requirements (reaffirmation of ANSI/ATIS 0600015-2018)

This document provides the methodology to be used by vendors and third-party test laboratories in the formation of a telecommunications energy efficiency ratio (TEER). This document is the base standard for determining telecommunications energy efficiency.

Single copy price: Free

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#### **Reaffirmation**

BSR/ATIS 0600016-2018 (R202x), Remote End POTS Splitter Requirements (reaffirmation of ANSI/ATIS 0600016-2018)

This Standard presents static Plain Old Telephone Service (POTS) splitter requirements for remote end splitters operating in the xDSL band between 32 kHz and 30 MHz. This standard is not intended to provide specific details on physical attributes, industry standard safety considerations, or configuration of remote end splitters. This document describes the electrical characteristics of remote end splitters that reduce the xDSL signal impact on voice band communication and provide isolation between voice band equipment and xDSL equipment. Common remote end splitter architectures are also described for informative purposes.

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#### **Reaffirmation**

BSR/ATIS 0600035-2018 (R202x), Recommended Maintenance Routines and Frequencies for Central Office Backup Power (reaffirmation of ANSI/ATIS 0600035-2018)

This document is a guideline, recommending a baseline set of routines along with maintenance intervals (frequency) for central office back-up power.

Single copy price: Free

Obtain an electronic copy from: [dgreco@atis.org](mailto:dgreco@atis.org)

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#### **Reaffirmation**

BSR/ATIS 0600307-2018 (R202x), Fire Resistance Criteria - Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (reaffirmation of ANSI/ATIS 0600307-2018)

This standard covers the fire resistance characteristics of equipment assemblies and selected products and materials used within telecommunications network equipment facilities and spaces of similar function. This standard along with the latest published version of ATIS 0600319 shall be used as the means of appraising fire risk within a telecommunications network equipment facility or space with similar function.

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#### **Reaffirmation**

BSR/ATIS 0600311-2017 (R202x), DC Power Systems - Telecommunications Environment Protection (reaffirmation of ANSI/ATIS 0600311-2017)

This standard addresses the installation of dc power systems within controlled or limited access areas that convert commercial ac to dc voltages of 160 volts or less and those that convert from one dc level to another of 160 volts or less.

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#### **Reaffirmation**

BSR/ATIS 0600328-2018 (R202x), Protection of Telecommunications Links from Physical Stress and Radiation effects and Associated Requirements for DC Power Systems (A Baseline Standard) (reaffirmation of ANSI/ATIS 0600328-2018)

This standard provides baseline measures describing the durability (survivability) of outside plant copper-conductor and optical fiber telecommunications distribution links to various levels of physical stress and radiation effects. The standard applies to optical fiber and metallic links for trunk, feeder, and local distribution. The standard includes information for the design and installation of aerial, buried, and underground plant, and applies to all telecommunications networks including – but not limited to – exchange carriers and interexchange carriers. The standard is intended for new installations, and not necessarily for replacement of existing systems. The standard addresses protection against threats such as wind, temperature, fire, water penetration, and the means to keep the links energized (telecommunications power).

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#### **Reaffirmation**

BSR/ATIS 0600330-2018 (R202x), Valve Regulated Lead-Acid Batteries Used in the Telecommunications Environment (reaffirmation of ANSI/ATIS 0600330-2018)

This standard covers valve-regulated lead-acid (immobilized electrolyte) batteries, hereinafter referred to as VRLA cells (or modules), used as a reserve energy source that supports dc-powered telecommunications load equipment.

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#### **Stabilized Maintenance**

BSR/ATIS 0600333-2013 (S202x), Grounding and Bonding of Telecommunication Equipment (stabilized maintenance of ANSI/ATIS 0600333-2013 (R2018))

This standard defines and describes the grounding and bonding topologies commonly used for the installation of network telecommunications equipment in central offices and similar type facilities. It addresses the baseline grounding and bonding requirements for telecommunications equipment, the associated dc and ac power facilities, and the interfacing of co-located telecommunications systems installed in central offices and similar facilities. In addition, the document defines a harmonized grounding and bonding terminology, using the terminology developed by the Telecommunication Standardization Sector of the International Telecommunication Union (ITU-T). Grounding and bonding information from other standards related to telecommunications equipment is also included.

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### **ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

#### **Revision**

BSR/EIA 364-32H-202x, Thermal Shock (Temperature Cycling) Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-32G-2014 (R2019))

This test is conducted for the purpose of determining the resistance of a given electrical connector or socket to exposure at extremes of high and low temperatures and to the shock of alternate exposures to these extremes, simulating the worst probable conditions of storage, transportation, and application.

Single copy price: \$82.00

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#### **Revision**

BSR/EIA 364-35C-202x, Insert Retention Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-35C-2012 (R2017))

This standard establishes a method to determine the ability of an insert to withstand axial forces in electrical connectors.

Single copy price: \$78.00

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### **HI (Hydraulic Institute)**

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#### **Revision**

BSR/HI 7.1-7.5-202x, Controlled Volume Metering Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 7.1-7.5-2017)

The 7.1-7.5 Controlled Volume Metering Pumps (CVMP) Committee has reached consensus on the attached proposed draft. Per HI Procedures, an invitation was extended to all designated ANSI Canvass List members with pertinent areas of expertise. By responding to the invitation, you have agreed to participate in the balloting of the proposed draft. The content of this standard was edited to include the following: expand the definitions section to include NPIP and NPSH, update formatting of equations throughout the document, and add a new section 7.5 Troubleshooting.

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### **IES (Illuminating Engineering Society)**

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#### **Reaffirmation**

BSR/IES LM-88-2018 (R202x), Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (reaffirmation of ANSI/IES LM-88-2018)

This document describes methods of measurements for alternating-current-driven light emitting diodes (AC-LEDs), including AC-LED packages and AC-LED arrays or modules that are designed to operate on an AC source such as a 120-V, 60-Hz main without the need of a driver. This document provides uniform methods for operation and measurement of AC-LEDs. It is important to note that the methods and instruments for optical measurements are not described in this document; for such information, the reader is referred to ANSI/IES LM-85-23.

Single copy price: \$25.00

Obtain an electronic copy from: [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Patricia McGillicuddy <[pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org)>

## Comment Deadline: May 22, 2023

### **IKECA (International Kitchen Exhaust Cleaning Association)**

2331 Rock Spring Road, Forest Hill, MD 21050 | [nikki@ikeca.org](mailto:nikki@ikeca.org), [www.ikeca.org](http://www.ikeca.org)

#### **Revision**

BSR/IKECA M-10-202x, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA M-10-2019)

This standard shall define acceptable methods to operate and maintain commercial kitchen exhaust systems by end users in the interim between professional system cleaning services. This standard shall apply to, but not be limited to, Type 1 exhaust systems as defined in this standard and constructed in accordance with NFPA 96, Chapter 5, and reference in NFPA Annex material section A.3.3.33. This standard shall not apply to residential kitchen exhaust systems, replacement air systems, heating and air-conditioning systems, dryer exhaust systems, and toilet exhaust systems.

Single copy price: \$20.00 IKECA members / \$30.00 non-members

Obtain an electronic copy from: <https://www.ikeca.org/store/viewproduct.aspx?id=21871215>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: <https://form.jotform.com/230856925308159>

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

#### **Withdrawal**

INCITS/ISO/IEC 27036-2:2014 [2019], Information technology - Security techniques - Information security for supplier relationships - Part 2: Requirements (withdrawal of INCITS/ISO/IEC 27036-2:2014 [2019])

Specifies fundamental information security requirements for defining, implementing, operating, monitoring, reviewing, maintaining, and improving supplier and acquirer relationships. These requirements cover any procurement and supply of products and services, such as manufacturing or assembly, business process procurement, software and hardware components, knowledge process procurement, build-operate-transfer, and cloud computing services.

Single copy price: \$93.00

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

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Barbara Bennett <[comments@standards.incits.org](mailto:comments@standards.incits.org)>

### **SDI (ASC A250) (Steel Door Institute)**

30200 Detroit Road, Westlake, OH 44145 | [leh@wherryassoc.com](mailto:leh@wherryassoc.com), [www.wherryassocsteeldoor.org](http://www.wherryassocsteeldoor.org)

#### **Revision**

BSR A250.14-202x, Hardware Preparation in Steel Doors and Steel Frames (revision and redesignation of ANSI/BHMA A156.115-2016)

This standard covers all significant dimensional attributes for mounting common hardware products in steel doors and frames. All dimensions shall be as shown on the accompanying drawings.

Single copy price: \$45.00

Obtain an electronic copy from: [info@steeldoor.org](mailto:info@steeldoor.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: May 22, 2023

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### ***New Standard***

BSR/TAPPI T 263 sp-202x, Identification of wood and fibers from conifers (new standard)

This method (1) deals with the identification of wood from conifers and also permits determination of the coniferous origin of fibers in pulp and paper. The majority of the species described are found in the continental United States and Canada; however, several exotic species found in commercial channels are also included.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### ***New Standard***

BSR/TAPPI T 1011 om-202x, Basis weight of fiber glass mats (new standard)

This method covers the determination of the basis weight of fiber glass mat. The basis weight includes the fiber, binder and other materials incorporated into the finished web. Weight is reported as pounds per 100 square feet (i.e., not customary TAPPI paper units).

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### ***Reaffirmation***

BSR/TAPPI T 218 sp-2018 (R202x), Forming handsheets for reflectance testing of pulp (Buchner funnel procedure) (reaffirmation of ANSI/TAPPI T 218 sp-2018)

This practice describes the procedure using a Büchner funnel for preparing specimen sheets for reflectance testing of bleached or unbleached pulp whose fibers are readily dispersed in water. The sheets are made at a pH of  $6.5 \pm 0.5$ . This practice permits the preparation of sheets having a smooth and reproducible surface for reflectance measurements with a minimum of washing or contamination of the sample.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### ***Reaffirmation***

BSR/TAPPI T 271 om-2012 (R202x), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012 (R2018))

This is an automated method by which the numerical and weighted average fiber lengths and fiber length distributions of pulp and paper can be measured using light polarizing optics in the range of 0.1 mm to 7.2 mm.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: May 22, 2023

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 275 sp-2018 (R202x), Screening of pulp (Somerville-type equipment) (reaffirmation of ANSI/TAPPI T 275 sp-2018)

The purpose of this method is to separate contaminants such as shives in mechanical pulp, and macro stickies, plastics, sand, metal pieces, and flakes in recycled fiber from pulp fibers for subsequent examination and/or quantification. This method employs a screening device and the separation is based on size difference between fibers and contaminants. However, depending on their flexibility and/or geometry, not all of the contaminants that are larger in size than fiber can be captured by the screen.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 406 om-2013 (R202x), Reducible sulfur in paper and paperboard (reaffirmation of ANSI/TAPPI T 406 om-2013)

This method describes two procedures for the determination of reducible sulfur in paper and paperboard within the context of the given definitions.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### **TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 491 om-2018 (R202x), Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2018)

This test is applicable to paperboards that are medium-sized, with an immersion number between 4.5 and 6.0, to hard-sized, with an immersion number of 3.5 or less, throughout.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: May 22, 2023

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 547 om-2012 (R202x), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018))

This method is used to measure the air permeance of a circular area of paper using a pressure differential of approximately 10 kPa (1.5 psig). In order to accommodate a wide range of paper products, rubber clamping plates are available for five commonly used orifice diameters: 9.5 mm (0.375 in.), 19.1 mm (0.75 in.), 38.1 mm (1.50 in.), 57.2 mm (2.25 in.), and 76.2 mm (3.00 in.). The air flow range for this method is 0 to 3348 mL/min (0 to 400 Sheffield units). Instruments are available with either variable area flowmeters (glass tubes with internal tapers and floats) or electronic mass flowmeters.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 551 om-2018 (R202x), Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2018)

This method describes a procedure for measuring the thickness of a single sheet of paper or paperboard using soft synthetic rubber platens against the paper to minimize the effect of surface roughness. This method is not to be confused with nor substituted for TAPPI T 411 "Thickness (Caliper) of Paper and Paperboard and Combined Board." It is to be used primarily for sheet density calculations. Because of the relatively high pressure (50 kPa), this method may not be suitable for measurement of tissue or other soft or low-density materials, because the structure may collapse at the prescribed pressure of 50 kPa (7.2 psi).

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 568 om-2012 (R202x), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012 (R2018))

This method uses image analysis to determine the level of sub-visible contraries in pulp, recycled pulp, paper, and paperboard in terms of Equivalent Physical Diameter (EPD) of contraries within the EPD range of 8 micrometers to 160 micrometers, reported in parts per hundred as well as the number of specks per square centimeter of sample. Extension to other speck sizes (for example, those greater than 160 micrometers), may require changes in equipment, calculation procedures, or both, and is not covered in this test method.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: May 22, 2023

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 579 om-2018 (R202x), Diffuse brightness of paper, paperboard and pulp (d/O) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 579 om-2018)

This method determines the brightness of white, near-white, and naturally colored pulp, paper, and paperboard. Brightness is a commonly used industry term for the numerical value of the reflectance factor of a sample with respect to blue light of specific spectral and geometric characteristics. This method requires an instrument employing diffuse illumination and 0° viewing geometry.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 1217 sp-2012 (R202x), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 sp-2012 (R2018))

This standard practice describes a test for linearity required by the following TAPPI optical methods:

T 425 Opacity

T 452, 525, 534, 646 Brightness

T 480, 653 Gloss

T 524, 527 Color

T 560, 562 Whiteness.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### **Reaffirmation**

BSR/TAPPI T 1218 sp-2012 (R202x), Calibration of reflectance standards for hemispherical geometry (reaffirmation of ANSI/TAPPI T 1218 sp-2012 (R2018))

This standard practice describes the calibration of standards for hemispherical reflectance in relation to the theoretically perfect reflecting diffuser with an assigned value of unity.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

## Comment Deadline: May 22, 2023

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### Revision

BSR/TAPPI T 409 sp-202x, Machine direction of paper and paperboard (revision of ANSI/TAPPI T 409 sp-2015)

This Standard Practice describes several procedures for determining the machine direction of most grades of paper and paperboard. Most of the procedures embody the principle that fibers tend to be aligned in the machine direction of the sheet, and this alignment produces observable effects. However, the extent of restraint used in drying can be very important in determining machine direction.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

#### Revision

BSR/TAPPI T 1012 om-202x, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2015)

This method covers the determination of the moisture content of fiber glass mat on a dry basis.

Single copy price: Free

Obtain an electronic copy from: [standards@tappi.org](mailto:standards@tappi.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Same

### TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

#### New Standard

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1:Corrections (new standard)

This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope.

Single copy price: \$73.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Teesha Jenkins <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

### TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

#### Revision

BSR/TIA 568.2-E-202x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.2-D-2018)

This project will create ANSI/TIA 568.2-E, revision of ANSI/TIA 568.2-D. Known errors will be corrected, nomenclature will be updated, and any general needed updates will be made.

Single copy price: \$377.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Teesha Jenkins <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

## Comment Deadline: May 22, 2023

### TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

#### Revision

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019)

This Standard specifies requirements for a generic telecommunications bonding and grounding infrastructure and its interconnection to electrical systems and telecommunications systems. This Standard may also be used as a guide for the renovation or retrofit of existing systems. New revision needed to:

- Incorporate content of addendum ANSI/TIA-607-D-1;
- Update references;
- Any other updates.

Single copy price: \$174.00

Obtain an electronic copy from: [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Teesha Jenkins <[standards-process@tiaonline.org](mailto:standards-process@tiaonline.org)>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Tony.Partridge@ul.org](mailto:Tony.Partridge@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 4248-4-2007 (R202x), Standard for Safety for Fuseholders - Part 4: Class CC (reaffirmation of ANSI/UL 4248-4-2007 (R2018))

(1) Reaffirmation and continuance of the first edition of the Standard for Fuseholders - Part 4: Class CC, UL 4248-4, as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area <https://csds.ul.com/Home/ProposalsDefault.aspx>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Tony.Partridge@ul.org](mailto:Tony.Partridge@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 4248-9-2007 (R202x), Standard for Safety for Fuseholders - Part 9: Class K (reaffirmation of ANSI/UL 4248-9-2007 (R2018))

(1) Reaffirmation and continuance of the first edition of the Standard for Fuseholders - Part 9: Class K, UL 4248-9, as a standard.

Single copy price: Free

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## Comment Deadline: May 22, 2023

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Tony.Partridge@ul.org](mailto:Tony.Partridge@ul.org), <https://ulse.org/>

#### Reaffirmation

BSR/UL 4248-15-2007 (R202x), Standard for Safety for Fuseholders - Part 15: Class T (reaffirmation of ANSI/UL 4248-15-2007 (R2018))

(1) Reaffirmation and continuance of the first edition of the Standard for Fuseholders - Part 15: Class T, UL 4248-15, as a standard.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Home/ProposalsDefault.aspx>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area <https://csds.ul.com/Home/ProposalsDefault.aspx>

### ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [michael.niedermayer@ul.org](mailto:michael.niedermayer@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 773A-202x, Nonindustrial Photoelectric Switches for Lighting Control (revision of ANSI/UL 773A-2020)

(1) Requirements for Push-in Type Terminals; (2) Requirements for field wiring terminals; (3) Separable Terminal Assembly.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/Login>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/Login>

### ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | [Megan.M.VanHeirseele@ul.org](mailto:Megan.M.VanHeirseele@ul.org), <https://ulse.org/>

#### Revision

BSR/UL 2271-202x, Standard for Safety for Batteries for Use in Light Electric Vehicle (LEV) Applications (revision of ANSI/UL 2271-2018)

(1) Replacement of reference to ISO 12405-1 with ISO 6469-1. (2) Modification of normal operation conditions and cycle number during Temperature Test. (3) Clarifications of the scope to better distinguish what is covered under UL/ULC 2271 versus UL/ULC 2580. (4) Functional safety criteria updates. (5) Additional guidance on protection of corrosion between dissimilar metals. (6) Addition of requirements when repurposed batteries are used. (7) Addition of a High Rate Charge Test in Section 23A that evaluates the safety when charging at a rate higher than the specified maximum level. (8) Addition of the Overload Under Discharge Test in Section 24A to replace the "soft short" of 24.6 in the Short Circuit Test. (9) Addition of a Single Cell Failure Design Tolerance Test for large-size batteries in Section 41A. (10) Revisions to replace UL 60950-1 with UL 62368-1. (11) Corrections to Manufacturing and Production Line Testing and inclusion of a 100% check on active controls relied upon for safety. (12) Addition of normal operation limit check in the Overcharge and Overdischarge Test. (13) Correction of non-compliant test results for several tests. (14) Miscellaneous revisions throughout the Standard. (15) Addition of Grounding Continuity Test.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

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## Comment Deadline: June 6, 2023

### ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

#### Reaffirmation

BSR/ASME PTC 36-2018 (R202x), Measurement of Industrial Noise (reaffirmation of ANSI/ASME PTC 36-2018)

This Code describes procedures for measuring and reporting airborne sound emission from stationary sound sources and equipment, or from facilities composed of multiple stationary sound sources. The purpose of this Code is to recommend measurement procedures in a variety of acoustical environments, including settings influenced by background or extraneous noise.

Single copy price: \$68.00

Order from: <https://cstools.asme.org/csconnect/PublicReviewPage.cfm>

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Donnie Alonzo <[dalonzo@asme.org](mailto:dalonzo@asme.org)>

## Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, 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:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | [kbest@ahrinet.org](mailto:kbest@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 410-202x (SI/I-P), Performance Rating of Forced-Circulation Air-Cooling and Air-Heating Coils (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)>

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | [kbest@ahrinet.org](mailto:kbest@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 411P-202x (SI), Forced-Circulation Air-Cooling and Air-Heating Coils (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)>

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | [kbest@ahrinet.org](mailto:kbest@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 600-202x (I-P), IEER Performance Rating of Water/Brine Source Heat Pumps (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)>

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | [kbest@ahrinet.org](mailto:kbest@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 601-202x (SI), Calculation of Integrated Energy Efficiency Ratio (IEER) and Simultaneous Heating and Cooling Efficiency (SCHE) for Water-Source Heat Pumps (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Karl Best <[kbest@ahrinet.org](mailto:kbest@ahrinet.org)>

## Notice of Withdrawal: ANS at least 10 years past approval date

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

### **ASQ (ASC Z1) (American Society for Quality)**

600 N Plankinton Avenue, Milwaukee, WI 53201 | [jadmussen@asq.org](mailto:jadmussen@asq.org), [www.asq.org](http://www.asq.org)

ANSI/ISO/ASQ E14064-1-2006, ANSI/ISO/ASTM 14064-1-2006, ANSI/ISO/NSF 14064-1-2006, Greenhouse gases - Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals (identical national adoption of ISO 14064-1:2006)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Admussen <[jadmussen@asq.org](mailto:jadmussen@asq.org)>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

### **ASQ (ASC Z1) (American Society for Quality)**

600 N Plankinton Avenue, Milwaukee, WI 53201 | [jadmussen@asq.org](mailto:jadmussen@asq.org), [www.asq.org](http://www.asq.org)

ANSI/ISO/ASQ E14064-2-2006, ANSI/ISO/ASTM 14064-2-2006, ANSI/ISO/NSF 14064-2-2006, Greenhouse gases - Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements (identical national adoption of ISO 14064-2: 2006)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Admussen <[jadmussen@asq.org](mailto:jadmussen@asq.org)>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

### **ASQ (ASC Z1) (American Society for Quality)**

600 N Plankinton Avenue, Milwaukee, WI 53201 | [jadmussen@asq.org](mailto:jadmussen@asq.org), [www.asq.org](http://www.asq.org)

ANSI/ISO/ASQ E14064-3-2006, ANSI/ISO/ASTM 14064-3-2006, ANSI/ISO/NSF 14064-3-2006, Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions (identical national adoption of ISO 14064-3: 2006)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Admussen <[jadmussen@asq.org](mailto:jadmussen@asq.org)>

The following American National Standards have not been revised or reaffirmed within ten years from the date of their approval as American National Standards and accordingly are withdrawn:

### **ASQ (ASC Z1) (American Society for Quality)**

600 N Plankinton Avenue, Milwaukee, WI 53201 | [jadmussen@asq.org](mailto:jadmussen@asq.org), [www.asq.org](http://www.asq.org)

ANSI/ISO 14065-2007, Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (identical national adoption of ISO 14065-2007)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Admussen <[jadmussen@asq.org](mailto:jadmussen@asq.org)>

## **Withdrawal of an ANS by ANSI-Accredited Standards Developer**

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

### **ASQ (ASC Z1) (American Society for Quality)**

600 N Plankinton Avenue, Milwaukee, WI 53201 | [jadmussen@asq.org](mailto:jadmussen@asq.org), [www.asq.org](http://www.asq.org)

ASQ/ANSI/ISO 14065:2013, Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (new standard)

Send comments (copy [psa@ansi.org](mailto:psa@ansi.org)) to: Jennifer Admussen <[jadmussen@asq.org](mailto:jadmussen@asq.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.

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## **AGMA (American Gear Manufacturers Association)**

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | [tech@agma.org](mailto:tech@agma.org), [www.agma.org](http://www.agma.org)

ANSI/AGMA 1012-HXX, Gear Nomenclature, Definition of Terms with Symbols (new standard) Final Action Date: 3/31/2023 | *New Standard*

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

180 Technology Parkway, Peachtree Corners, GA 30092 | [cking@ashrae.org](mailto:cking@ashrae.org), [www.ashrae.org](http://www.ashrae.org)

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 135.1-2019, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2019) Final Action Date: 3/31/2023 | *Addenda*

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

ANSI/ASME A112.19.17-2010 (R2023), Manufactured Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool Suction Systems (reaffirmation of ANSI/ASME A112.19.17-2010 (R2018)) Final Action Date: 3/30/2023 | *Reaffirmation*

ANSI/ASME PDS 1.1-2023, Default Standards for Understanding Engineering Documentation with Incomplete Reference to Applicable Dimensioning, Tolerancing, Surface Texture, and Metrology Standards (revision of ANSI/ASME PDS-1.1-2013) Final Action Date: 3/27/2023 | *Revision*

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

ANSI/ATIS 0600031.02-2023, Distributed Single Phase Cooling - Standardized Infrastructure (new standard) Final Action Date: 3/30/2023 | *New Standard*

ANSI/ATIS 0600005-2023, Acoustic Measurement (revision of ANSI/ATIS 0600005-2017) Final Action Date: 3/30/2023 | *Revision*

ANSI/ATIS 0600015.04-2023, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2017) Final Action Date: 3/30/2023 | *Revision*

ANSI/ATIS 0600031.01-2023, (Pumped) Distributed Refrigerant Cooling - Standardized Infrastructure (revision and redesignation of ANSI/ATIS 0600031-2019) Final Action Date: 3/30/2023 | *Revision*

## **AVIXA (Audiovisual and Integrated Experience Association)**

11242 Waples Mill Road, Suite 200, Fairfax, VA 22030 | [lovecash@avixa.org](mailto:lovecash@avixa.org), [www.avixa.org](http://www.avixa.org)

ANSI/AVIXA D401.01-2023, Documentation Requirements for Audiovisual Systems (new standard) Final Action Date: 3/27/2023 | *New Standard*

**AWWA (American Water Works Association)**

6666 W. Quincy Avenue, Denver, CO 80235 | [polson@awwa.org](mailto:polson@awwa.org), [www.awwa.org](http://www.awwa.org)

ANSI/AWWA C504-2023, Rubber-Seated Butterfly Valves (revision of ANSI/AWWA C504-2015) Final Action Date: 3/27/2023 | *Revision*

**FCI (Fluid Controls Institute)**

1300 Sumner Avenue, Cleveland, OH 44115 | [fci@fluidcontrolsinstitute.org](mailto:fci@fluidcontrolsinstitute.org), [www.fluidcontrolsinstitute.org](http://www.fluidcontrolsinstitute.org)

ANSI/FCI 20-1-2023, Standard for Performance Testing Strainers for Liquid Service (new standard) Final Action Date: 3/30/2023 | *New Standard*

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

700 K Street NW, Suite 600, Washington, DC 20001 | [kquigley@itic.org](mailto:kquigley@itic.org), [www.incits.org](http://www.incits.org)

INCITS/ISO/IEC 38503:2022 [2023], Information technology - Governance of IT - Assessment of the governance of IT (identical national adoption of ISO/IEC 38503:2022) Final Action Date: 3/28/2023 | *National Adoption*

**MHI (Material Handling Industry)**

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | [pdavison@mhi.org](mailto:pdavison@mhi.org), [www.mhi.org](http://www.mhi.org)

ANSI MH29.3-2023, Safety Requirements for Industrial Turntables (new standard) Final Action Date: 3/28/2023 | *New Standard*

ANSI MH16.1-2023, Design, Testing, and Utilization of Industrial Steel Storage Racks (revision of ANSI MH16.1-2021) Final Action Date: 3/28/2023 | *Revision*

**NEMA (ASC C8) (National Electrical Manufacturers Association)**

1300 North 17th Street, Suite 900, Arlington, VA 22209 | [Khaled.Masri@nema.org](mailto:Khaled.Masri@nema.org), [www.nema.org](http://www.nema.org)

ANSI ICEA T-22-294-2023, ICEA Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations (revision of ANSI/ICEA T-22-294-2016) Final Action Date: 3/28/2023 | *Revision*

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

ANSI/TIA 10-A-2023, Interference Criteria for Microwave Systems (revision and redesignation of ANSI/TIA 10-2019) Final Action Date: 3/30/2023 | *Revision*

**ULSE (UL Standards & Engagement)**

333 Pflugsten Road, Northbrook, IL 60062-2096 | [alan.t.mcgrath@ul.org](mailto:alan.t.mcgrath@ul.org), <https://ulse.org/>

ANSI/UL 60730-2-8-2023, Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements (national adoption of IEC 60730-2-8 with modifications and revision of ANSI/UL 60730-2-8-2017) Final Action Date: 3/24/2023 | *National Adoption*

ANSI/UL 60079-29-2-2018 (R2023), Standard for Safety for Explosive Atmospheres - Part 29-2: Gas Detectors - Selection, Installation, Use and Maintenance of Detectors for Flammable Gases and Oxygen (reaffirm a national adoption ANSI/UL 60079-29-2-2018) Final Action Date: 3/30/2023 | *Reaffirmation*

ANSI/UL 827-2023, Standard for Central-Station Alarm Services (revision of ANSI/UL 827-2022) Final Action Date: 3/29/2023 | *Revision*

**ULSE (UL Standards & Engagement)**

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | [Grayson.Flake@ul.org](mailto:Grayson.Flake@ul.org), <https://ulse.org/>

ANSI/UL 1981-2023, Standard for Central-Station Automation Systems (revision of ANSI/UL 1981-2019) Final  
Action Date: 3/29/2023 | *Revision*

# Call for Members (ANS Consensus Bodies)

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

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## **ABYC (American Boat and Yacht Council)**

613 Third Street, Suite 10, Annapolis, MD 21403 | [eparks@abycinc.org](mailto:eparks@abycinc.org), [www.abycinc.org](http://www.abycinc.org)

BSR/ABYC P-18-202x, Cable Over Pulley Steering Systems for Outboard Engines (new standard)

Interest Categories: Soliciting for categories: Insurance/Survey

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | [kbest@ahrinet.org](mailto:kbest@ahrinet.org), [www.ahrinet.org](http://www.ahrinet.org)

BSR/AHRI Standard 110 (SI/I-P)-202x, Air-Conditioning, Heating and Refrigerating Equipment Nameplate Voltages (new standard)

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

2950 Niles Road, Saint Joseph, MI 49085 | [companion@asabe.org](mailto:companion@asabe.org), <https://www.asabe.org/>

ANSI/ASABE AD10448-NOV2014 (R2018), Agricultural tractors - Hydraulic pressure for implements (withdrawal of ANSI/ASABE AD10448-NOV2014 (R2018))

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME B16.20-202x, Metallic Gaskets for Pipe Flanges (revision of ANSI/ASME B16.20-2017)

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME B16.33-202x, Manually Operated Metallic Gas Valves for Use in Gas Piping Systems Up to 175 psi (Sizes NPS through NPS 2) (revision of ANSI/ASME B16.33-2012 (R2017))

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME B16.38-202x, Large Metallic Valves for Gas Distribution Manually Operated, NPS 2 (DN 65) to NPS 12 (DN 300), 125 psig (8.6 bar) Maximum (revision of ANSI/ASME B16.38-2012 (R2017))

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME B16.44-202x, Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi (revision of ANSI/ASME B16.44-2012 (R2017))

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

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | [ansibox@asme.org](mailto:ansibox@asme.org), [www.asme.org](http://www.asme.org)

BSR/ASME PTC 36-2018 (R202x), Measurement of Industrial Noise (reaffirmation of ANSI/ASME PTC 36-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600003-202x, Battery Enclosures and Rooms/Areas (revision of ANSI/ATIS 0600003-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600015.07-2018 (R202x), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - Wireline Access, Broadband Equipment (reaffirmation of ANSI/ATIS 0600015.07-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600015-2018 (R202x), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting - General Requirements (reaffirmation of ANSI/ATIS 0600015-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600016-2018 (R202x), Remote End POTS Splitter Requirements (reaffirmation of ANSI/ATIS 0600016-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600035-2018 (R202x), Recommended Maintenance Routines and Frequencies for Central Office Backup Power (reaffirmation of ANSI/ATIS 0600035-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600307-2018 (R202x), Fire Resistance Criteria - Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (reaffirmation of ANSI/ATIS 0600307-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600311-2017 (R202x), DC Power Systems - Telecommunications Environment Protection (reaffirmation of ANSI/ATIS 0600311-2017)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600328-2018 (R202x), Protection of Telecommunications Links from Physical Stress and Radiation effects and Associated Requirements for DC Power Systems (A Baseline Standard) (reaffirmation of ANSI/ATIS 0600328-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600330-2018 (R202x), Valve Regulated Lead-Acid Batteries Used in the Telecommunications Environment (reaffirmation of ANSI/ATIS 0600330-2018)

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

1200 G Street NW, Suite 500, Washington, DC 20005 | [dgreco@atis.org](mailto:dgreco@atis.org), [www.atis.org](http://www.atis.org)

BSR/ATIS 0600333-2013 (S202x), Grounding and Bonding of Telecommunication Equipment (stabilized maintenance of ANSI/ATIS 0600333-2013 (R2018))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-32H-202x, Thermal Shock (Temperature Cycling) Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-32G-2014 (R2019))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 364-35C-202x, Insert Retention Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-35C-2012 (R2017))

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 972-2018 (R202x), Specification for M12 Power Circular Connector (reaffirmation of ANSI/EIA 972-2018)

**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA 20171 | [ldonohoe@ecianow.org](mailto:ldonohoe@ecianow.org), [www.ecianow.org](http://www.ecianow.org)

BSR/EIA 973-2018 (R202x), Specification for M12 Hybrid (Data and Power) Circular Connector (reaffirmation of ANSI/EIA 973-2018)

**HI (Hydraulic Institute)**

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | [achatterjee@pumps.org](mailto:achatterjee@pumps.org), [www.pumps.org](http://www.pumps.org)

BSR/HI 9.6.9-202x, Rotary Pumps - Guidelines for Condition Monitoring (revision of ANSI/HI 9.6.9-2018)

**IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org), [www.ies.org](http://www.ies.org)

BSR/IES LM-88-2018 (R202x), Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (reaffirmation of ANSI/IES LM-88-2018)

**IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | [pmcgillicuddy@ies.org](mailto:pmcgillicuddy@ies.org), [www.ies.org](http://www.ies.org)

BSR/IES TM-33-23-202x, Technical Memorandum: Standard Format for the Electronic Transfer of Luminaire Optical Data (revision of ANSI/IES TM-33-2018)

**IKECA (International Kitchen Exhaust Cleaning Association)**

2331 Rock Spring Road, Forest Hill, MD 21050 | [nikki@ikeca.org](mailto:nikki@ikeca.org), [www.ikeca.org](http://www.ikeca.org)

BSR/IKECA M-10-202x, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA M-10-2019)

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS 582-202x, Information Technology - Fibre Channel - Framing and Signaling - 7 (FC-FS-7) (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | [comments@standards.incits.org](mailto:comments@standards.incits.org), [www.incits.org](http://www.incits.org)

INCITS/ISO/IEC 27036-2:2014 [2019], Information technology - Security techniques - Information security for supplier relationships - Part 2: Requirements (withdrawal of INCITS/ISO/IEC 27036-2:2014 [2019])

**RVIA (Recreational Vehicle Industry Association)**

2465 J-17 Centreville Road, #801, Herndon, VA 20171 | [treamer@rvia.org](mailto:treamer@rvia.org), [www.rvia.org](http://www.rvia.org)

BSR/RVIA A119.5-202x, Park Model Recreational Vehicle Standard (revision and redesignation of ANSI A119.5-2020)

**SDI (ASC A250) (Steel Door Institute)**

30200 Detroit Road, Westlake, OH 44145 | [leh@wherryassoc.com](mailto:leh@wherryassoc.com), [www.wherryassocsteeldoors.org](http://www.wherryassocsteeldoors.org)

BSR A250.14-202x, Hardware Preparation in Steel Doors and Steel Frames (revision and redesignation of ANSI/BHMA A156.115-2016)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 218 sp-2018 (R202x), Forming handsheets for reflectance testing of pulp (Bchner funnel procedure) (reaffirmation of ANSI/TAPPI T 218 sp-2018)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 263 sp-202x, Identification of wood and fibers from conifers (new standard)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 271 om-2012 (R202x), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012 (R2018))

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 275 sp-2018 (R202x), Screening of pulp (Somerville-type equipment) (reaffirmation of ANSI/TAPPI T 275 sp-2018)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 406 om-2013 (R202x), Reducible sulfur in paper and paperboard (reaffirmation of ANSI/TAPPI T 406 om-2013)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 409 sp-202x, Machine direction of paper and paperboard (revision of ANSI/TAPPI T 409 sp-2015)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 491 om-2018 (R202x), Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2018)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 547 om-2012 (R202x), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018))

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15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 551 om-2018 (R202x), Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2018)

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BSR/TAPPI T 568 om-2012 (R202x), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012 (R2018))

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 579 om-2018 (R202x), Diffuse brightness of paper, paperboard and pulp (d/O) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 579 om-2018)

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15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 1011 om-202x, Basis weight of fiber glass mats (new standard)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 1012 om-202x, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2015)

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 1217 sp-2012 (R202x), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 sp-2012 (R2018))

**TAPPI (Technical Association of the Pulp and Paper Industry)**

15 Technology Parkway, Peachtree Corners, GA 30092 | [standards@tappi.org](mailto:standards@tappi.org), [www.tappi.org](http://www.tappi.org)

BSR/TAPPI T 1218 sp-2012 (R202x), Calibration of reflectance standards for hemispherical geometry (reaffirmation of ANSI/TAPPI T 1218 sp-2012 (R2018))

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

BSR/TIA 568.2-E-202x, Balanced Twisted-Pair Telecommunications Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.2-D-2018)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1:Corrections (new standard)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

BSR/TIA 607-E-202x, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises (revision and redesignation of ANSI/TIA 607-D-2019)

**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | [standards-process@tiaonline.org](mailto:standards-process@tiaonline.org), [www.tiaonline.org](http://www.tiaonline.org)

BSR/TIA 1179-B-202x, Healthcare Facility Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 1179-A-2017)

## **ANSI Accredited Standards Developer**

### **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 interested 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](mailto: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 underrepresented categories:

- Producer-Software
- Producer-Hardware
- Distributor
- Service Provider
- Users
- Consultants
- Government
- SDO and Consortia Groups
- Academia
- General Interest

## **ANSI Accredited Standards Developer**

### **SCTE (Society of Cable Telecommunications Engineers)**

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

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

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.

More information is available at [www.scte.org](http://www.scte.org) or by e-mail from [standards@scte.org](mailto:standards@scte.org).

# American National Standards (ANS) Process

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Please visit ANSI's website ([www.ansi.org](http://www.ansi.org)) for resources that will help you to understand, administer and participate in the American National Standards (ANS) process. Documents posted at these links are updated periodically as new documents and guidance are developed, whenever ANS-related procedures are revised, and routinely with respect to lists of proposed and approved ANS. The main ANS-related link is [www.ansi.org/asd](http://www.ansi.org/asd) and here are some direct links as well as highlights of information that is available:

## Where to find Procedures, Guidance, Interpretations and More...

### Please visit ANSI's website ([www.ansi.org](http://www.ansi.org))

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):  
[www.ansi.org/essentialrequirements](http://www.ansi.org/essentialrequirements)
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):  
[www.ansi.org/standardsaction](http://www.ansi.org/standardsaction)
- Accreditation information – for potential developers of American National Standards (ANS):  
[www.ansi.org/sdoaccreditation](http://www.ansi.org/sdoaccreditation)
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):  
[www.ansi.org/asd](http://www.ansi.org/asd)
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:  
[www.ansi.org/asd](http://www.ansi.org/asd)
- American National Standards Key Steps:  
[www.ansi.org/anskeysteps](http://www.ansi.org/anskeysteps)
- American National Standards Value:  
[www.ansi.org/ansvalue](http://www.ansi.org/ansvalue)
- ANS Web Forms for ANSI-Accredited Standards Developers:  
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):  
<https://ibr.ansi.org/>
- ANSI - Education and Training:  
[www.standardstolearn.org](http://www.standardstolearn.org)

# Accreditation Announcements (Standards Developers)

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## Approval of Reaccreditation – ASD

### AMCi - AMC Institute

Effective **March 28, 2023**

The reaccreditation of the **AMC Institute** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on AMCi-sponsored American National Standards, effective **March 28, 2023**. For additional information, please contact: Thomas Pigg, AMC Institute (AMCi) | 107 South West Street, Suite 481, Alexandria, VA 22314 | (703) 964-2808, [tpigg@amcinstitute.org](mailto:tpigg@amcinstitute.org)

# American National Standards Under Continuous Maintenance

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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 (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)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- NFRC (National Fenestration Rating Council)
- 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)
- ULSE (UL Standards & Engagement)

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](http://www.ansi.org/asd), select "American National Standards Maintained Under Continuous Maintenance." Questions? [psa@ansi.org](mailto:psa@ansi.org).

# ANSI-Accredited Standards Developers (ASD) Contacts

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The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment, Call for Members 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 the PSA Department at [psa@ansi.org](mailto:psa@ansi.org).

## **AAFS**

American Academy of Forensic Sciences  
410 North 21st Street  
Colorado Springs, CO 80904  
[www.aafs.org](http://www.aafs.org)

Teresa Ambrosius  
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## **ABYC**

American Boat and Yacht Council  
613 Third Street, Suite 10  
Annapolis, MD 21403  
[www.abycinc.org](http://www.abycinc.org)

Emily Parks  
[eparks@abycinc.org](mailto:eparks@abycinc.org)

## **ACI**

American Concrete Institute  
38800 Country Club Drive  
Farmington Hills, MI 48331  
[www.concrete.org](http://www.concrete.org)

Shannon Banchemo  
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## **AGMA**

American Gear Manufacturers Association  
1001 N Fairfax Street, 5th Floor  
Alexandria, VA 22314  
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Amir Aboutaleb  
[tech@agma.org](mailto:tech@agma.org)

## **AHRI**

Air-Conditioning, Heating, and Refrigeration  
Institute  
2311 Wilson Boulevard, Suite 400  
Arlington, VA 22201  
[www.ahrinet.org](http://www.ahrinet.org)

Karl Best  
[kbest@ahrinet.org](mailto:kbest@ahrinet.org)

## **ASABE**

American Society of Agricultural and  
Biological Engineers  
2950 Niles Road  
Saint Joseph, MI 49085  
<https://www.asabe.org/>

Carla Companion  
[companion@asabe.org](mailto:companion@asabe.org)

## **ASHRAE**

American Society of Heating, Refrigerating  
and Air-Conditioning Engineers, Inc.  
180 Technology Parkway  
Peachtree Corners, GA 30092  
[www.ashrae.org](http://www.ashrae.org)

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## **ASME**

American Society of Mechanical Engineers  
Two Park Avenue, 6th Floor  
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## **ASME**

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## **ASTM**

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## **ATIS**

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## **AVIXA**

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## **AWS**

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## **AWWA**

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## **CSA**

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## **ECIA**

Electronic Components Industry  
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## **FCI**

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## **HI**

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<p><b>ICC</b> International Code Council 4051 Flossmoor Road Country Club Hills, IL 60478 www.iccsafe.org Karl Aittaniemi kaittaniemi@iccsafe.org</p>	<p><b>NEMA (ASC C8)</b> National Electrical Manufacturers Association 1300 North 17th Street, Suite 900 Arlington, VA 22209 www.nema.org Khaled Masri Khaled.Masri@nema.org</p>	<p><b>TIA</b> Telecommunications Industry Association 1320 North Courthouse Road, Suite 200 Arlington, VA 22201 www.tiaonline.org Teesha Jenkins standards-process@tiaonline.org</p>
<p><b>IES</b> Illuminating Engineering Society 120 Wall Street, Floor 17 New York, NY 10005 www.ies.org Patricia McGillicuddy pmcgillicuddy@ies.org</p>	<p><b>NETA</b> InterNational Electrical Testing Association 3050 Old Centre Road, Suite 101 Portage, MI 49024 www.netaworld.org Tania Brammer tbrammer@netaworld.org</p>	<p><b>ULSE</b> UL Standards &amp; Engagement 12 Laboratory Drive Research Triangle Park, NC 27709 https://ulse.org/ Grayson Flake Grayson.Flake@ul.org Michael Niedermayer michael.niedermayer@ul.org</p>
<p><b>IIAR</b> International Institute of Ammonia Refrigeration 1001 North Fairfax Street Alexandria, VA 22314 www.iiar.org Tony Lundell tony_lundell@iiar.org</p>	<p><b>NFPA</b> National Fire Protection Association One Batterymarch Park Quincy, MA 02169 www.nfpa.org Dawn Michele Bellis dbellis@nfpa.org</p>	<p>Tony Partridge Tony.Partridge@ul.org Vickie Hinton Vickie.T.Hinton@ul.org</p>
<p><b>IKECA</b> International Kitchen Exhaust Cleaning Association 2331 Rock Spring Road Forest Hill, MD 21050 www.ikeca.org Nikki Augsburger nikki@ikeca.org</p>	<p><b>RVIA</b> Recreational Vehicle Industry Association 2465 J-17 Centreville Road, #801 Herndon, VA 20171 www.rvia.org Tyler Reamer treamer@rvia.org</p>	<p><b>ULSE</b> UL Standards &amp; Engagement 171 Nepean Street, Suite 400 Ottawa, ON K2P 0 https://ulse.org/ Sabrina Khrebtov sabrina.khrebtov@ul.org</p>
<p><b>ITI (INCITS)</b> InterNational Committee for Information Technology Standards 700 K Street NW, Suite 600 Washington, DC 20001 www.incits.org Deborah Spittle comments@standards.incits.org Kim Quigley kquigley@itic.org Rachel Porter comments@standards.incits.org</p>	<p><b>SDI (ASC A250)</b> Steel Door Institute 30200 Detroit Road Westlake, OH 44145 www.wherryassocsteeldoor.org Linda Hamill leh@wherryassoc.com</p>	<p><b>ULSE</b> UL Standards &amp; Engagement 333 Pflingsten Road Northbrook, IL 60062 https://ulse.org/ Alan McGrath alan.t.mcgrath@ul.org Megan Monsen megan.monsen@ul.org Megan Van Heirseele Megan.M.VanHeirseele@ul.org</p>
<p><b>MHI</b> Material Handling Industry 8720 Red Oak Boulevard, Suite 201 Charlotte, NC 28217 www.mhi.org Patrick Davison pdavison@mhi.org</p>	<p><b>TAPPI</b> Technical Association of the Pulp and Paper Industry 15 Technology Parkway Peachtree Corners, GA 30092 www.tappi.org Tiffany Plummer standards@tappi.org <b>TCNA (ASC A108)</b> Tile Council of North America 100 Clemson Research Blvd. Anderson, SC 29625 www.tcnatile.com Katelyn Simpson KSimpson@tileusa.com</p>	<p><b>ULSE</b> UL Standards &amp; Engagement 47173 Benicia Street Fremont, CA 94538 https://ulse.org/ Derrick Martin Derrick.L.Martin@ul.org</p>



# IEC Draft International Standards

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

## COMMENTS

Comments regarding IEC documents should be sent to 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

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

94/851/CD, IEC 61810-7-19 ED1: Electrical relays - Tests and Measurements - Part 7-19: Electrical endurance, 05/26/2023

94/850/CD, IEC 61810-7-45 ED1: Electrical relays - Tests and Measurements - Part 7-45: Maximum frequency of operation, 05/26/2023

94/849/CD, IEC 61810-7-48 ED1: Electrical relays - Tests and Measurements - Part 7-48: Contact failure rate test, 05/26/2023

23E/1314/CDV, IEC 62752 ED2: In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD), 06/23/2023

23E/1316/NP, PNW 23E-1316 ED1: Protective devices based on semiconductor technology for household and similar use - Part 1: Semiconductor Residual current operated Circuit-Breakers with integral Overcurrent protection for household and similar uses (SC-RCBOs), 06/23/2023

18/1821/NP, PNW 18-1821 ED1: Electrical installations in ships - Primary DC distribution, system design architecture, 06/23/2023

77B/864/CD, IEC 61000-4-2 ED3: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test, 06/23/2023

101/679/CDV, IEC 61340-5-1 ED3: Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements, 06/23/2023

111/699/CD, IEC 63395 ED1: Sustainable management of waste electrical and electronic equipment (e-waste), 06/23/2023

86A/2302/CDV, IEC 60793-1-41 ED4: Optical fibres - Part 1 -41: Measurement methods and test procedures - Bandwidth, 06/23/2023

86A/2300/CDV, IEC 60793-1-45 ED3: Optical fibres - Part 1 -45: Measurement methods and test procedures - Mode field diameter, 06/23/2023

86A/2301/CDV, IEC 60793-2-50 ED7: Optical fibres - Part 2 -50: Product specifications - Sectional specification for class B single-mode fibres, 06/23/2023

34C/1576/CDV, IEC 61347-2-13 ED3: Controlgear for electric light sources - Safety - Part 2-13: Particular requirements for electronic controlgear for LED light sources, 06/23/2023

33/689/CDV, IEC 60143-4 ED2: Series capacitors for power systems - Part 4: Thyristor controlled series capacitors, 05/26/2023

57/2586/NP, PNW TS 57-2586 ED1: Power systems management and associated information exchange - Data and communications security - Part 15: Deep Packet Inspection (DPI) of encrypted communications, 06/23/2023

116/654(F)/FDIS, IEC 63241-2-6 ED1: Electric motor-operated tools - Dust measurement procedure - Part 2-6: Particular requirements for hand-held hammers, 04/28/2023

47E/806/CD, IEC 60747-16-11 ED1: Semiconductor devices - Part 16-11: Microwave integrated circuits - Power detectors, 06/23/2023

96/577(F)/FDIS, IEC 61558-2-3 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners, 05/05/2023

91/1847(F)/FDIS, IEC 61249-2-51 ED1: Materials for printed boards and other interconnecting structures - Part 2-51: Reinforced base materials, clad and unclad - Base materials for Integrated circuit card carrier tape, unclad, 04/21/2023

CIS/A/1391/FDIS, CISPR 16-2-3/AMD2 ED4: Amendment 2: Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, 05/12/2023

SyCAAL/293/CD, IEC SRD 63314 ED1: Active Assisted Living (AAL) guidance for education and training of persons working in the field of AAL, 06/23/2023

128/35/NP, PNW TS 128-35 ED1: Safe management and operation of electrical installations, 06/23/2023

### **ISO/IEC JTC 1, Information Technology**

JTC1-SC41/334/CDV, ISO/IEC 20924 ED3: Internet of Things (IoT) and Digital Twin - Vocabulary, 06/23/2023



# 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](http://www.ansi.org). All paper copies are available from Standards resellers (<http://webstore.ansi.org/faq.aspx#resellers>).

## ISO Standards

### Acoustics (TC 43)

[ISO 226:2023](#), Acoustics - Normal equal-loudness-level contours, \$157.00

### Ferrous metal pipes and metallic fittings (TC 5)

[ISO 24131-1:2023](#), Internal protection by polymeric lining for ductile iron pipes - Requirements and test methods - Part 1: Polyurethane lining, \$116.00

[ISO 24131-2:2023](#), Internal protection by polymeric lining for ductile iron pipes - Requirements and test methods - Part 2: Epoxy lining, \$116.00

### Industrial trucks (TC 110)

[ISO 6055:2023](#), Industrial trucks - Overhead guards - Specification and testing, \$116.00

### Pulleys and belts (including veebelts) (TC 41)

[ISO 283:2023](#), Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method, \$77.00

### Rubber and rubber products (TC 45)

[ISO 9924-1:2023](#), Rubber and rubber products - Determination of the composition of vulcanizates and uncured compounds by thermogravimetry - Part 1: Butadiene, ethylene-propylene copolymer and terpolymer, isobutene-isoprene, isoprene and styrene-butadiene rubbers, \$77.00

### Thermal insulation (TC 163)

[ISO 52000-3:2023](#), Energy performance of buildings - Overarching EPB assessment - Part 3: General principles for determination and reporting of primary energy factors (PEF) and CO<sub>2</sub> emission coefficients, \$210.00

### Tyres, rims and valves (TC 31)

[ISO 13325:2019/Amd 1:2023](#), - Amendment 1: Tyres - Coast-by methods for measurement of tyre-to-road sound emission - Amendment 1: Uncertainties, \$22.00

[ISO 4250-1:2023](#), Earth-mover tyres and rims - Part 1: Tyre designation and dimensions, \$157.00

[ISO 4250-2:2023](#), Earth-mover tyres and rims - Part 2: Loads and inflation pressures, \$183.00

## ISO Technical Specifications

### Fine Bubble Technology (TC 281)

[ISO/TS 4240-1:2023](#), Fine bubble technology - Environmental applications - Part 1: Inspection method using online particle counter in dissolved air flotation (DAF) plant, \$116.00

### Graphic technology (TC 130)

[ISO/TS 18621-21:2023](#), Graphic technology - Image quality evaluation methods for printed matter - Part 21: Measurement of 1D distortions of macroscopic uniformity utilizing scanning spectrophotometers, \$77.00

### Road vehicles (TC 22)

[ISO/TS 22133:2023](#), Road vehicles - Test object monitoring and control for active safety and automated/autonomous vehicle testing - Functional requirements, specifications and communication protocol, \$263.00

## ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 20322:2023](#), Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and elderly people, \$77.00

## ISO/IEC JTC 1, Information Technology

[ISO/IEC 7816-6:2023](#), Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange, \$183.00

[ISO/IEC 13818-1:2022/Amd 1:2023](#), - Amendment 1: Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems - Amendment 1: Carriage of LCEVC and other improvements, \$22.00

[ISO/IEC 23090-9:2023](#), Information technology - Coded representation of immersive media - Part 9: Geometry-based point cloud compression, \$263.00

[ISO/IEC/IEEE 8802-1AC:2018/Amd 1:2023](#), - Amendment 1: Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Part 1AC: Media access control (MAC) service definition - Amendment 1: Support for ISO/IEC/IEEE 8802-15-3, \$22.00

[ISO/IEC/IEEE 8802-1BA:2023](#), Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 1BA: Audio video bridging (AVB) systems, \$183.00

[ISO/IEC/IEEE 26531:2023](#), Systems and software engineering - Content management for product life cycle, user and service management information for users, \$237.00

## IEC Standards

### Fibre optics (TC 86)

[IEC 60794-2-22 Ed. 2.0 b:2023](#), Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies, \$95.00

[IEC 60794-2-50 Ed. 3.0 b:2023](#), Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies, \$190.00

[S+ IEC 60794-2-22 Ed. 2.0 en:2023 \(Redline version\)](#), Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies, \$124.00

[S+ IEC 60794-2-50 Ed. 3.0 en:2023 \(Redline version\)](#), Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies, \$247.00

### Industrial-process measurement and control (TC 65)

[IEC 61784-2-2 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-2: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 2, \$234.00

[IEC 61784-2-3 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-3: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 3, \$481.00

[IEC 61784-2-4 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-4: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 4, \$190.00

[IEC 61784-2-6 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-6: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 6, \$95.00

[IEC 61784-2-8 Ed. 1.0 b:2023](#), Industrial networks - Profiles - Part 2-8: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 8, \$278.00

### Lightning protection (TC 81)

[IEC 62561-1 Ed. 3.0 b:2023](#), Lightning protection system components (LPSC) - Part 1: Requirements for connection components, \$234.00

[S+ IEC 62561-1 Ed. 3.0 en:2023 \(Redline version\)](#), Lightning protection system components (LPSC) - Part 1: Requirements for connection components, \$305.00

## IEC Technical Reports

### Standard voltages, current ratings and frequencies (TC 8)

[IEC/TR 63410 Ed. 1.0 en:2023](#), Decentralized electrical energy systems roadmap, \$417.00

# International Organization for Standardization (ISO)

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## ISO New Work Item Proposal

### Guidelines for auditing management systems

**Comment Deadline: April 21, 2023**

The American Society for Quality (ASQ), intends to submit to ISO a New Work Item Proposal to revise ISO 19011:2018 *Guidelines for auditing management systems*, with the following scope statement:

*This document provides guidance on auditing management systems, including the principles of auditing, managing an audit programme and conducting management system audits, as well as guidance on the evaluation of competence of individuals involved in the audit process. These activities include the individual(s) managing the audit programme, auditors and audit teams. It is applicable to all organizations that need to plan and conduct internal or external audits of management systems or manage an audit programme. The application of this document to other types of audits is possible, provided that special consideration is given to the specific competence needed.*

If approved, the Project Committee ISO/PC 302 would be re-activated.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)) with submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Friday, April 21, 2023.

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

### Specialty metals and minerals

**Comment Deadline: April 10, 2023**

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Specialty metals and minerals, with the following scope statement:

Standardization in the field of specialty metals and minerals. It includes: terminology, classification, sampling, testing and chemical analysis methods, and delivery conditions.

A list of specialty metals and minerals is included as follows: antimony, beryllium, cobalt, chromium, graphite, niobium, platinum group metals.

Excluded:

- Finished products;
- Sustainability issues;
- Mining, already covered by ISO/TC 82 "Mining";
- Elements already covered by existing ISO technical committees: ISO/TC 18 "Zinc and zinc alloys", ISO/TC 20/SC 18 "Materials" (under ISO/TC 20 "Aircraft and space vehicles"), ISO/TC 26 "Copper and copper alloys", ISO/TC 79 "Light metals" (aluminum, titanium, magnesium), ISO/TC 132 "Ferroalloys" (manganese, chrome in ferroalloys), ISO/TC 155 "Nickel and nickel alloys", ISO/TC 183 "Copper, lead, zinc and nickel ores and concentrates", ISO/TC 298 "Rare earth", ISO/TC 333 "Lithium".

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team ([isot@ansi.org](mailto:isot@ansi.org)), with a submission of comments to Steve Cornish ([scornish@ansi.org](mailto:scornish@ansi.org)) by close of business on Monday, April 10, 2023.

# Meeting Notices (International)

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## ANSI Accredited U.S TAG to ISO

### JTC 1/SC 36, Information technology for learning, education and training

#### Establishment of a New Technical Committee INCITS/Education - Zoom on Tuesday, May 23, 2023 Meeting Notice and Call for Members

At the March 2023 INCITS Executive Board meeting, a new Technical Committee (TC), INCITS/Education, was established. The TC will serve as the **U.S. TAG to ISO/IEC JTC 1 Subcommittee 36 - Information Technology for Learning, Education and Training**.

The scope of work is standardization in the field of information technologies for learning, education, and training to support individuals, groups, or organizations, and to enable interoperability and reusability of resources and tool.

Excluded from this scope are:

- standards or technical reports that define educational standards (competencies), cultural conventions, learning objectives, or specific learning content.
- work done by other ISO or IEC TCs, SCs, or WGs with respect to their component, specialty, or domain. Instead, when appropriate, normative or informative references to other standards shall be included. Examples include documents on special topics such as multimedia, web content, cultural adaptation, and security.

RSVPs for the meeting should be submitted to Bill Ash ([bash@itic.org](mailto:bash@itic.org)) as soon as possible.

Organizational Meeting – Tuesday, May 23, 2023. The organizational meeting of the new TC on INCITS/Education will be held electronically via **Zoom on Tuesday, May 23, 2023** (1:00 PM to 4:00 PM (Eastern) / 10:00 AM to 1:00 PM (Pacific)).

Membership – Membership in INCITS is open to all directly and materially interested parties who return a signed INCITS Membership Agreement and pay the applicable service fees. For more information, click [here](#).

# Registration of Organization Names in the United States

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The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

When organization names are submitted to ANSI for registration, they will be listed here alphanumerically.

Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

## Public Review

NOTE: Challenged alphanumeric names are underlined. The Procedures for Registration provide for a challenge process, which follows in brief. For complete details, see Section 6.4 of the Procedures.

A challenge is initiated when a letter from an interested entity is received by the Registration Coordinator. The letter shall identify the alphanumeric organization name being challenged and state the rationale supporting the challenge. A challenge fee shall accompany the letter. After receipt of the challenge, the alphanumeric organization name shall be marked as challenged in the Public Review list. The Registration Coordinator shall take no further action to register the challenged name until the challenge is resolved among the disputing parties.

# Proposed Foreign Government Regulations

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## Call for Comment

U.S. manufacturers, exporters, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies 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 to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates the notifications along with the full texts. 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform to distribute the notified proposed foreign technical regulations (notifications) and their full texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. The USA WTO TBT Enquiry 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 prior to submitting comments. For non-notified foreign technical barriers to trade for non-agricultural products, stakeholders are encouraged to reach out as early as possible to the Office of Trade Agreements Negotiations and Compliance (TANC) in the International Trade Administration (ITA) at the Department of Commerce (DOC), which specializes in working with U.S. stakeholders to remove unfair foreign government-imposed trade barriers. The U.S. Department of Agriculture's Foreign Agricultural Service actively represents the interests of U.S. agriculture in the WTO committees on Agriculture, Sanitary and Phytosanitary (SPS) measures and Technical Barriers to Trade (TBT). FAS alerts exporters to expected changes in foreign regulations concerning food and beverage and nutrition labeling requirements, food packaging requirements, and various other agriculture and food related trade matters. Working with other Federal agencies and the private sector, FAS coordinates the development and finalization of comments on measures proposed by foreign governments to influence their development and minimize the impact on U.S. agriculture exports. FAS also contributes to the negotiation and enforcement of free trade agreements and provides information about tracking regulatory changes by WTO Members. The Office of the United States Trade Representative (USTR) WTO & Multilateral Affairs (WAMA) office has responsibility for trade discussions and negotiations, as well as policy coordination, on issues related technical barriers to trade and standards-related activities.

### Online Resources:

WTO's ePing SPS&TBT platform: <https://epingalert.org/>

Register for ePing: <https://epingalert.org/en/Account/Registration>

WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:

[https://www.wto.org/english/tratop\\_e/sps\\_e/sps\\_e.htm](https://www.wto.org/english/tratop_e/sps_e/sps_e.htm)

WTO Committee on Technical Barriers to Trade (TBT): [https://www.wto.org/english/tratop\\_e/tbt\\_e/tbt\\_e.htm](https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm)

USA TBT Enquiry Point: <https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point>

Comment guidance:

<https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee>

NIST: <https://www.nist.gov/>

TANC: <https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc>

Examples of TBTs: [https://tcc.export.gov/report\\_a\\_barrier/trade\\_barrier\\_examples/index.asp](https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp).

Report Trade Barriers: [https://tcc.export.gov/Report\\_a\\_Barrier/index.asp](https://tcc.export.gov/Report_a_Barrier/index.asp).

USDA FAS: <https://www.fas.usda.gov/about-fas>

FAS contribution to free trade agreements: <https://www.fas.usda.gov/topics/trade-policy/trade-agreements>

Tracking regulatory changes: <https://www.fas.usda.gov/tracking-regulatory-changes-wto-members>

USTR WAMA: <https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade>

Contact the USA TBT Enquiry Point at (301) 975-2918; E [usatbtep@nist.gov](mailto:usatbtep@nist.gov) or [notifyus@nist.gov](mailto:notifyus@nist.gov).

**ASME B16.33-2012****[Revision of ASME B16.33-2002 (R2007)]**

Proposed Revision of:

2012

# Manually Operated Metallic Gas Valves for Use in Gas Piping Systems Up to 175 psi (Sizes NPS 1/2 Through NPS 2)

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**TENTATIVE**  
**SUBJECT TO REVISION OR WITHDRAWAL**  
Specific Authorization Required For the Reproduction or  
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**ASME Codes and Standards**

## 4 DESIGN QUALIFICATION

### 4.1 General

**4.1.1 Valve Selection.** Each basic valve design shall be qualified and demonstrated as suitable for the service by testing randomly selected production valves of each size, type, and pressure shell material according to the design qualification tests required by this section.

**4.1.2 Temperature.** All tests, unless otherwise specified, shall be conducted at a temperature of 74°F ± 15°F (23°C ± 8°C).

**4.1.3 Condition.** Before each test is conducted, the valve shall be in the condition in which it would be placed in service.

### 4.2 Gas Tightness

**4.2.1 Acceptance.** The valve shall provide a shutoff when in the closed position and shall not leak to the atmosphere in the open or closed position when subjected progressively to internal air pressure of first 4 psi ± 2 psi (0.3 bar ± 0.1 bar) and then to at least 1.5 times the pressure rating of the valve.

**4.2.2 Method of Test for Gas Tightness.** With the valve in the open position and the outlet plugged, the test pressure shall be applied to the inlet of the valve. The valve shall be immersed in a bath containing water at a temperature of 74°F ± 15°F (23°C ± 8°C) for a period of 15 sec. Leakage, as evidenced by flow (breaking away) of bubbles shall be cause for rejection. The valve shall then be turned to the closed position, outlet opened and the test repeated.

**4.2.3 Leak Detection.** Other means of leak detection may be used provided they can be shown to be equivalent in leak detection sensitivity.

**Table 2 Torque Values**

Nominal Valve Size [Note (1)]	Torque, lbf-in. (N-m)
½	800 (90)
¾	1,000 (113)
1	1,200 (136)
1 ¼	1,450 (164)
1 ½	1,550 (175)
2	1,650 (186)

NOTE:

(1) For valves having a different size inlet and outlet, the smaller size shall determine the torque value.

### 4.3 Temperature Resistance

**4.3.1 Temperature Limits.** A valve should be operable at temperatures ranging from -20°F to 150°F (-29°C to 66°C) without affecting the capability of the valve to control the flow of gas.

**4.3.2 Low Temperature.** The valve shall be maintained at a temperature of -20°F (-29°C) for a period long enough to allow all parts to come to equilibrium temperature. With the valve subjected to an internal air pressure at least equal to the pressure rating, and with the outlet end of the valve arranged to vent to atmosphere, it shall be determined that it can be opened and closed.

**4.3.3 High Temperature.** The valve shall then be maintained at a temperature of 150°F (66°C) for a period long enough to allow all parts to come to equilibrium temperature. With the valve subjected to an internal air pressure at least equal to the pressure rating, it shall be determined that it can be opened and closed.

**4.3.4 Ambient Temperature.** The valve shall then be allowed to return to a temperature of 74°F ± 15°F (23°C ± 8°C) and satisfactorily pass the test outlined in para. 4.2.

### 4.4 Structural Provision

**4.4.1 General.** Each test in which damage to the valve could result (i.e., those described in paras. 4.3 and 4.4.2 through 4.4.5) shall be conducted on new unused samples of the valve.

**4.4.2 Strength.** A valve in the open position with the outlet plugged shall withstand an internal hydrostatic pressure of 600 psi (41 bar) for a period of 10 min without permanent deformation that would, after release of the pressure, prevent operation of the valve from the fully open position to the fully closed position.

**4.4.3 Twist.** The valve body, when tested in both the open and closed position, shall withstand the torque specified in Table 2 applied directly to the ends of the valve, without permanent deformation that would, after release of the torque, prevent operation of the valve from the fully open position to the fully closed position. After this test, the valve must comply with the provisions of para. 4.2.

**4.4.4 Bending.** A valve in both the open and closed positions shall withstand the bending moment specified in Table 3 when applied as indicated in Fig. 1. After the bending stress is relieved, there shall be no permanent deformation that would prevent operation of the valve from the fully open position to the fully closed position. After this test, the valve must comply with the provisions of para. 4.2.

**4.4.5 Tensile Strength.** Schedule 80 or heavier steel pipe shall be connected to the valve for the purpose of transmitting the tensile load. A valve in both the open and closed positions shall withstand the tensile load specified in Table 4, when applied gradually to valve ends, without permanent deformation that would, after release of the tensile load, prevent operation of the valve from the fully open position to the fully closed position. After this test, the valve must comply with the provisions of para. 4.2.

**4.4.6 Turning Torque.** The torque required to operate the valve after breaking loose from its open or closed position shall not exceed the amounts specified in Table 5. At the end of this test, the valve shall be capable of complying with the provisions of para. 4.2.

### 4.5 Flow Capacity

The valves, when in the full open position, shall meet the minimum gas flow as specified in Table 6. A valve of each size and type shall be tested to verify that the pressure loss is not greater than that specified in Table 6. The test shall be conducted using a technically recognized procedure such as that contained in ISA S75.02. The test fluid and type of test facility and instrumentation are at the discretion of the manufacturer and shall be fully described in their test records.

**ASME B16.38-2012**  
**(Revision of ASME B16.38-2007)**

Proposed Revision of:

2012

# Large Metallic Valves for Gas Distribution

Manually Operated, NPS 2½  
(DN 65) to NPS 12 (DN 300),  
125 psig (8.6 bar) Maximum

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**TENTATIVE**  
**SUBJECT TO REVISION OR WITHDRAWAL**  
**Specific Authorization Required For the Reproduction or**  
**Quotation**  
**ASME Codes and Standards**

# LARGE METALLIC VALVES FOR GAS DISTRIBUTION

## MANUALLY OPERATED, NPS 2½ (DN 65) TO NPS 12 (DN 300), 125 psig (8.6 bar) MAXIMUM

### 1 SCOPE

#### 1.1 Valve Types

This Standard covers requirements for manually operated metallic valves in nominal sizes 2½ (DN 65) through 12 (DN 300) having the inlet and outlet on a common centerline. These valves are intended for controlling the flow of gas from open to fully closed positions, for use in distribution and service lines where the maximum gage pressure does not exceed 125 psig (8.6 bar). Valve seats, seals, and stem packing may be nonmetallic.

#### 1.2 Application

This Standard sets forth the minimum capabilities, characteristics, and properties that a newly manufactured metallic valve must possess in order to be considered suitable for use in piping systems indicated above, carrying natural gas, manufactured gas [includes synthetic natural gas (SNG)], and liquefied petroleum gases (distributed as a vapor, with or without the admixture of air) or mixtures thereof.

#### 1.3 Referenced Standards

Standards and specifications adopted by reference in this Standard and the names and addresses of the sponsoring organizations are shown in Mandatory Appendix I. It is not considered practical to refer to a specific edition of each of the standards and specifications in the individual references. Instead, the specific edition references are included in Mandatory Appendix I. A product made in conformance with a prior edition of referenced standards will be considered to be in conformance, even though the edition reference may be changed in a subsequent revision of the standard.

#### 1.4 Quality Systems

Nonmandatory requirements relating to the product manufacturer's quality system program are described in Nonmandatory Appendix A.

#### 1.5 Convention

For determining conformance with this Standard, the convention for fixing significant digits where limits (maximum or minimum values) are specified shall be

as defined in ASTM E29. This requires that an observed or calculated value be rounded off to the nearest unit in the last right-hand digit used for expressing the limit. Decimal values and tolerances do not imply a particular method of measurement.

#### 1.6 Codes and Regulations

A valve used under the jurisdiction of a Federal Regulation, such as CFR Title 49, Part 192; the ASME Code for Pressure Piping, such as ASME B31.8; or the National Fuel Gas Code, Z223.1, is subject to any limitation of that code or regulation.

#### 1.7 Definitions

*NPS*: nominal pipe size.

*NVS*: nominal valve size.

*one bar*: 100 kPa.

*PTFE*: materials that comply with ASTM D4894, Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Extrusion Materials.

All pressures, unless otherwise stated, are gage pressures.

### 2 CONSTRUCTION

#### 2.1 Conformance

**2.1.1** Each completed and assembled valve at the time of manufacture and marked with the designation "B16.38" shall be capable of meeting the requirements set forth in this Standard.

**2.1.2** Classes 125 and 150 valves (depending upon their design) shall meet the requirements of one of the following standards: MSS SP-67, MSS SP-70, MSS SP-72, MSS SP-78, MSS SP-80, ~~MSS SP-84~~, ASME B16.34, and ASME B16.42 (see Mandatory Appendix I).

#### 2.2 Tamperproof Features

Where valves are specified to be tamperproof, they shall be designed and constructed to minimize the possible removal of the core of the valve with other-than-specialized tools, e.g., tools other than common wrenches, pliers, etc.

## 2.3 Configuration

### 2.3.1 Closure Indication

**2.3.1.1** Valves designed for one-quarter turn operation shall be designed to visually show the open and closed position of the valve. A rectangular stem head or a position indicator shall indicate the closed position of the valve port when the longitudinal axis of the stem head or indicator is perpendicular to the axis of the connecting pipe. If a separate indicator is employed, it shall be designed such that it cannot be assembled to incorrectly indicate the position of the valve.

**2.3.1.2** Valves shall close by clockwise stem rotation unless otherwise specified by the purchaser or by the reference standard in para. 2.1.2. The direction for closing shall be indicated.

**2.3.2 Valve Ends.** Valve ends shall conform to the following standards where applicable:

- (a) for threaded valve ends, ANSI/ASME B1.20.1
- (b) for flanged gray cast iron valve ends, ASME B16.1
- (c) for flanged ductile cast iron valve ends, ASME B16.42
- (d) for flanged steel valve ends, ASME B16.5
- (e) for flanged, butt-welding, and socket-welding valve ends, ASME B16.34

**2.3.3 Dimensions.** Face-to-face and end-to-end dimensions of valves (other than ball, butterfly, or diaphragm valves) with flanged ends or butt-welding ends shall conform to the dimensions contained in ~~MSS SP-72~~. [B16.10](#) Face-to-face dimensions for butterfly valves shall be in accordance with dimensions contained in MSS SP-67. End-to-end dimensions of threaded end valves shall be in accordance with the manufacturer's standard dimensions.

## 2.4 Marking

Each valve, in addition to the markings required by the applicable valve standard of para. 2.1.2, shall bear the marking "B16.38" or "B16.38T" if tamperproof features are included according to para. 2.2. Alternative to the latter, the marking "T" may be shown on the operating head or stem.

## 2.5 Injection Sealant

A valve that utilizes injection of sealant through a fitting that leads to the sealing surfaces shall be capable of having sealant injected in both the full-open and full-closed positions at an inlet pressure of 125 psig (8.6 bar).

## 2.6 Pressure-Containing Materials

Materials for valve bodies, plugs, bonnets, unions, and other pressure-containing parts shall be in accordance with the applicable standards of para. 2.1.2.

## 2.7 Gas Resistance

All materials, including lubricants and sealants, shall be resistant to deterioration when exposed to fuel gases such as listed in para. 1.2.

## 2.8 Temperature Resistance

The materials used for valve bodies, plugs, bonnets, unions, and other pressure-containing parts, excluding handles, shall have a solidus temperature in excess of 600°F (427°C).

## 2.9 Elastomer Components

**2.9.1 Air Aging Tests.** Elastomer parts that are exposed to fuel gas shall be made of materials that [following 70-hr air aging at 212°F (100°C) in accordance with ASTM D573] meet elongation, tensile, and hardness property requirements as specified in paras. 2.9.1.1 and 2.9.1.2.

**2.9.1.1** Tensile tests shall be conducted in accordance with ASTM D412. Three dumbbells shall be air aged 70 hr at 212°F (100°C) in accordance with ASTM D573. The dumbbells shall have a thickness of 0.08 in.  $\pm$  0.008 in. (2 mm  $\pm$  0.2 mm). The average of the three individual tests for the aged dumbbells shall exceed 60% retention of ultimate elongation and 60% retention of tensile strength at break. The average of the three individual tests for the nonaged dumbbells shall be the basis for the percent calculation.

**2.9.1.2** Hardness tests shall be conducted using specimens in accordance with ASTM D395, Type 2. Three specimens shall be air aged 70 hr at 212°F (100°C) in accordance with ASTM D573. The average of the three individual tests for the aged specimens shall not show a hardness change of more than  $\pm$ 10 Shore A hardness points relative to the average hardness of the nonaged specimens.

**2.9.2 Swell Tests.** Elastomer parts that are exposed to fuel gas shall be made from materials that after 70-hr exposure to *N*-hexane at 74°F (23°C), in accordance with ASTM D471, meet the volume change, elongation, and tensile property requirements as specified in paras. 2.9.2.1 and 2.9.2.2.

**2.9.2.1** Volume change tests shall be conducted using six specimens in accordance with ASTM D471, Section 8. Three specimens shall be exposed for 70 hr at 74°F (23°C) in *N*-hexane in accordance with ASTM D471. The average of the three *N*-hexane tests shall not show an increase in volume of more than 1%. The average of the three tests for nonaged specimens shall be the basis for the percent retention calculation.

**2.9.2.2** Tensile tests shall be conducted on six dumbbells in accordance with ASTM D412. Three of the tensile tests shall be conducted on dumbbells exposed in *N*-hexane for 70 hr at 74°F (23°C) in accordance with

Proposed Changes: Items listed below in **red/blue** are additions, and **red/blue strikethrough** are deletions. Note: the standard references MSS-SP-84, which is now an inactive document.

## MANDATORY APPENDIX I REFERENCES

The following is a list of publications referenced in this Standard, showing the year of approval. Products covered by each ASTM specification are listed for convenience. (See specifications for titles and detailed contents.) Materials manufactured to other editions of the referenced ASTM specifications may be used to manufacture valves meeting the requirements of this Standard as long as the valve manufacture verifies that the material meets the requirements of the referenced edition of the ASTM specification. Unless otherwise specified, the latest edition of ASME publications shall apply.

[AGA Z223121 / ANSI Z223.1 / NFPA 54, National Fuel Gas Code](#)

[Publisher: American Gas Association, 400 North Capitol Street, NW, Washington, DC 20001 \(www.aga.org\). Or National Fire Protection Association, 1 Batterymarch Park, Quincy, MA, 02169-7471 \(www.nfpa.org\)](#)

ASME B1.20.1, Pipe Threads, General Purpose (Inch)

ASME B16.1, Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250

ASME B16.5, Pipe Flanges and Flanged Fittings: NPS ½ Through NPS 24 Metric/Inch Standard

ASME B16.10, Face-to-Face and End-to-End Dimensions of Valves

~~ASME B16.11, Forged Fittings, Socket Welding and Threaded~~

~~ASME B16.25, Buttwelding Ends~~

ASME B16.34, Valves — Flanged, Threaded, and Welding End

ASME B16.42, Ductile Iron Pipe Flanges and Flanged Fittings: Classes 150 and 300

[ASME B31.8, Gas Transmission and Distribution Piping Systems](#)

Publisher: The American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016-5990; Order Department: 22 Law Drive, P.O. Box 2900, Fairfield, NJ 07007-2900 ([www.asme.org](http://www.asme.org))

ANSI/ISA SP-75.02, ~~01-2008 (IEC 60534-2-3 Mod)~~-2008, Standard Control Valve Capacity Test Procedure

Publisher: The International Society of Automation (ISA), 67 T.W. Alexander Drive, Research Triangle Park, NC 27709 ([www.isa.org](http://www.isa.org))

ASTM D395-~~03 (2008)~~18, Standard Test Methods for Rubber Property-Compression Set

ASTM D412-~~06a~~<sup>2</sup>16 (2021), Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension

ASTM D471-16a~~0~~ (2021), Standard Test Method for Rubber Property-Effect of Liquids

ASTM D573-04 (~~2010~~2019), Standard Test Method for Rubber-Deterioration in an Air Oven

ASTM D4894-~~07~~19, Standard Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials

ASTM E29-13 (2022)2008, Standard Practice for Using Significant Digits in Test Data to Determine Conformance With Specifications

Publisher: American Society for Testing and Materials (ASTM International), 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 ([www.astm.org](http://www.astm.org))

[CFR Title 49, Part 192, Transportation of Natural and Other Gas by Pipeline: Minimum Federal Standards](#)

[Publisher: Superintendent of Documents, U.S. Government Printing Office \(GPO\), 732 North Capitol Street, NW, Washington, DC 20401 \(www.gpoaccess.gov/index.html\)](#)

ISO9001:~~2008~~2015, Quality management systems — Requirements<sup>1</sup>

~~MSS SP-25-2008~~201, ~~Standard Marking System for Valves, Fittings, Flanges, and Unions~~

MSS SP-67-~~2002~~a2017, Butterfly Valves

MSS SP-70-2011, Gray Iron Gate Valves, Flanged and Threaded Ends

MSS SP-72-2010a, Ball Valves with Flanged or Butt-Welding Ends for General Service

MSS SP-78-201105a, ~~GrayCast~~ Iron Plug Valves, Flanged and Threaded Ends

MSS SP-80-20149, Bronze Gate, Globe, Angle, and Check Valves

[MSS SP-84-1990, Valves - Socket Welding and Threaded Ends \(Inactive\)](#)

Publisher: Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS), 127 Park Street, NE, Vienna, VA 22180 ([www.mss-hq.org](http://www.mss-hq.org))

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<sup>1</sup> May also be obtained from American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036.

**ASME B16.44-2012****[Revision of ASME B16.44-2002 (R2007)]**

Proposed Revision of:

2012

# Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi

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**TENTATIVE****SUBJECT TO REVISION OR WITHDRAWAL****Specific Authorization Required For the Reproduction or  
Quotation****ASME Codes and Standards**

### 3.3 Seating and Stem Seal Materials

**3.3.1 Elastomer Components—Air Aging.** Elastomer parts that are exposed to fuel gas shall be made from materials that, following 70-hr air aging in accordance with ASTM D573 at 212°F (100°C), meet the elongation, tensile and hardness property requirements of paras. 3.3.1.1 and 3.3.1.2.

**3.3.1.1 Tensile Test.** Tensile tests shall be conducted on six dumbbells in accordance with ASTM D412. Three dumbbells shall be air aged 70 hr in accordance with ASTM D573 at 212°F (100°C). The dumbbells shall have a thickness of 0.08 in.  $\pm$  0.008 in. (2.0 mm  $\pm$  0.2 mm). The average of the three individual tests for the aged dumbbells shall exceed 60% retention of ultimate elongation and 60% retention of tensile strength at break. The average of the three individual tests for the nonaged dumbbells shall be the basis for percent retention calculation.

**3.3.1.2 Hardness Test.** Hardness tests shall be conducted using specimens in accordance with ASTM D395, Type 2. Three specimens shall be air aged 70 hr in accordance with ASTM D573 at 212°F (100°C). The average of the three individual tests for the aged specimens shall not show a hardness change of more than  $\pm$  10 Shore hardness points relative to the average hardness of the non-aged specimens.

**3.3.2 Elastomer Components — Swell Test.** Elastomer parts that are exposed to fuel gas shall be made from materials that, after 70-hr exposure in n-hexane at 73°F (23°C), in accordance with ASTM D471, meet the volume change, elongation, and tensile property requirements of paras. 3.3.2.1 and 3.3.2.2.

**3.3.2.1 Volume Change Test.** Volume change tests shall be conducted using six specimens in accordance with ASTM D471, Section 8. Three specimens shall be exposed for 70 hr at 73°F (23°C) in n-hexane in accordance with ASTM D471. The average of the three individual n-hexane tests shall not show an increase in volume of more than 25% or a decrease in volume of more than 1%. The average of the three tests for the non-aged specimens shall be the basis for the percent retention change calculation.

**3.3.2.2 Tensile Test.** Tensile tests shall be conducted on six dumbbells in accordance with ASTM D412. Three of the tensile tests shall be conducted on dumbbells exposed in n-hexane at 73°F (23°C) for 70 hr in accordance with ASTM D471. The dumbbells shall have a thickness of 0.08 in.  $\pm$  0.008 in. (2.0 mm  $\pm$  0.2 mm). The average of the three individual n-hexane tests shall exceed 60% retention of ultimate elongation and 60% retention of tensile strength at break. The average of the three tests for the non-aged specimens shall be the basis for the percent volume change calculation.

## ASME B16.44-2012

**Table 4 Minimum Flow Capacity**

End Connection [Note (1)]	Minimum Gas Flow at Reference Condition, ft <sup>3</sup> /hr (m <sup>3</sup> /h) [Note (2)]
1/4 NPS	45 (1.27)
3/8 NPS	85 (2.41)
1/2 NPS	150 (4.25)
3/4 NPS	400 (11.33)
1 NPS	670 (18.97)
1 1/4 NPS	1,000 (28.32)
1 1/2 NPS	1,750 (49.55)
2 NPS	3,020 (85.22)
2 1/2 NPS	3,880 (109.90)
3 NPS	6,000 (169.90)
4 NPS	6,780 (192.00)
1/4 O.D. tube	21 (0.60)
5/16 O.D. tube	32 (0.91)
3/8 O.D. tube	50 (1.42)
1/2 O.D. tube	100 (2.83)
5/8 O.D. tube	130 (3.68)
3/4 O.D. tube	187 (5.30)
7/8 O.D. tube	250 (7.08)
1 O.D. tube	330 (9.34)

## NOTES:

- (1) For values having different size inlet and outlet connections, the valve shall have a minimum gas flow equal to or greater than the more restrictive of the two sizes.
- (2) *Reference Conditions.* Minimum gas flow is measured with the valve in the fully open position at an inlet pressure equal to the pressure rating of the valve and a 0.3 in., water column (74.7 Pa) net valve pressure drop. The reported flow rate shall be corrected to conditions of 14.95 psi (103.16 kPa), 70°F (21.1°C), and 0.64 specific gravity.

**Table 5 Installation Torque**

End Connections	lbf-in. (N·m)
1/4 NPS	220 (24.9)
3/8 NPS	280 (31.6)
1/2 NPS	375 (42.4)
3/4 NPS	560 (63.3)
1 NPS	750 (84.7)
1 1/4 NPS	875 (98.9)
1 1/2 NPS	940 (106.2)
2 NPS	1,190 (134.5)
2 1/2 NPS	1,310 (148.0)
3 NPS	1,400 (148.0)
4 NPS	1,500 (169.5)
1/4 O.D. tube	100 (11.3)
5/16 O.D. tube	125 (14.1)
3/8 O.D. tube	150 (16.9)
7/16 O.D. tube	175 (19.8)
1/2 O.D. tube	200 (22.6)
5/8 O.D. tube	300 (33.9)
3/4 O.D. tube	300 (33.9)
7/8 O.D. tube	350 (40.0)
1 O.D. tube	400 (45.2)

**Table 6 Impact Load**

End Connections	Torque, lbf-ft (N·m)	Impact Energy, ft - lbf (J)
1/4 NPS	10.0 (13.6)	
3/8 NPS	15.0 (20.3)	
1/2 NPS larger	20.0 (27.1)	
1/4 O.D. tube	1.5 (2.0)	
5/16 through 7/16 O.D. tube	2.0 (2.7)	
1/2 O.D. tube	5.0 (6.8)	
5/8 O.D. tube	7.0 (9.5)	
3/4 O.D. tube	10.0 (13.6)	
7/8 O.D. tube	15.0 (20.3)	
1 O.D. tube	20.0 (27.1)	

tested according to the type and size of the connection, as specified in Table 5. The torque specified shall be applied to the completely assembled valve by attaching it to a Schedule 80 steel pipe fitting with threads conforming to ASME B1.20.1, or aluminum tubing as applicable, of suitable size. Thread lubricants or sealant shall not be used for this test.

The specified torque shall be applied for 15 min ± 1 min. With the turning force still applied, the valve shall then comply with the gas tightness tests specified in paras. 5.2.1 and 5.2.2. The torque shall then be released and the valve removed. There shall be no signs of deformation or breakage, other than local deformation in the area of tool contact (wrench marks). The valve shall then again comply with the gas tightness tests specified in paras. 5.2.1 and 5.2.2.

Leakage at pipe threads resulting from not using thread sealant shall be disregarded.

**5.5 Impact Energy Absorption**

The valve shall be capable of absorbing the impact energy specified in Table 6 without cracking or breaking.

**5.5.1 Method of Test.** A valve whose inlet is designed for connection to threaded pipe shall be supported by securing it to a close pipe nipple of Schedule 80 pipe or a standard weight pipe coupling, as applicable, mounted on a rigid surface so that the free length of the nipple or coupling is not greater than 1 in. (25 mm). The valve shall be secured to the support with a torque not less than as specified in Table 5. A typical test arrangement is shown in Fig. 1.

A valve whose inlet is designed for connection to semi-rigid tubing shall be mounted on a straight length of steel tubing conforming to SAE J525 and having a wall thickness of 0.035 in. (0.89 mm). The tube fittings supplied with the valve or specified by the manufacturer shall be used and the free length of the supporting tube shall not exceed 1 in. (25 mm). The valve shall be secured to the support with a torque not less than as specified in Table 5.

Oct 11, 2022

**Subject:** ASME B16 Subcommittee L Ballot Item  
**Project Manager:** David T Frederick  
**Record Number:** 22-581  
**Standard:** ASME B16.44-2017 Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems Up to 5 psi

**Subject:** Revisions to Mandatory Appendix I - References

Background/Summary: ASME B16.44 was last reaffirmed in 2017. The reference documents listed in "Mandatory Appendix I References" contains several listed standards that are not referenced in the document or have older editions of the listed standard. This proposal is to update the list of references to include the latest edition of each of these documents, to remove standards not referenced, and to add standards referenced within the text to the appendix.

Proposed Changes: Items listed below in **red** are additions, and **red (strikethrough)** are deletions.

## MANDATORY APPENDIX I REFERENCES

The following is a list of standards and specifications referenced in this Standard. Products covered by each ASTM specification are listed for convenience. (See specifications for exact titles and detailed contents.) Materials manufactured to other editions of the referenced ASTM specifications may be used to manufacture valves meeting the requirements of this Standard as long as the valve manufacturer verifies that the material meets the requirements of the referenced edition of the ASTM specification. Unless otherwise specified, the latest edition of ASME publications shall apply.

ASME B1.20.1-~~1983~~, Pipe Threads, General Purpose (Inch)

Publisher: The American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016-5990; Order Department: 22 Law Drive, P.O. Box 2900, Fairfield, NJ 07007-2900 ([www.asme.org](http://www.asme.org))

ANSI Z21.15-~~972009~~ (R2019)/CGA 9.1-2009 (R2019), Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves<sup>1</sup>

Publisher: ~~Canadian~~ CSA Group Standards Association, ~~5060 Spectrum Way, Suite 100, Mississauga, Ontario, Canada L4W 5N6 178 Rexdale Blvd. Toronto, ON Canada M9W 1R3~~ ([www.csagroup.org-ea](http://www.csagroup.org-ea))

ANSI/ISA S75.02.~~01-2008~~-~~1996~~, Control Valve Capacity Test Procedures

Publisher: International Society of Automation (ISA), ~~3252 S Miami Blvd #102, Durham, NC 2770367 T. W. Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709~~ ([www.isa.org](http://www.isa.org))

ASTM A47/A47M-99 (20~~1809~~)e1, Specification for Ferritic Malleable Iron Castings

ASTM A48/A48M-~~2203~~—(2008), Standard Specification for Gray Iron Castings

ASTM A108-~~1807~~, Standard Specification for Steel Bars, Carbon and Alloy, Cold-~~Finished~~, Standard Quality

ASTM A126-04 (20~~109~~), Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings

ASTM A197/A197M-00 (201~~9~~), Standard Specification for Cupola Malleable Iron

ASTM A395/A395M-99 (20~~1809~~), Standard Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures

ASTM A505-~~1600~~ (20~~2105~~), Standard Specification for Steel, Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

ASTM A536-~~8407~~(2019)e1, Standard Specification for Ductile Iron Castings

~~ASTM A1011/A1011M 10, Specification for Steel, Sheet and Strip, Hot Rolled, Carbon, Structural, High Strength Low Alloy and High Strength Low Alloy With Improved Formability~~

<sup>1</sup> May also be obtained from the American National Standards Institute (ANSI), 25 West 43rd Street, New York, NY 10036

ASTM B16/B16M-190, Standard Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines

ASTM B62-09, Standard Specification for Composition Bronze or Ounce Metal Castings

ASTM B117-194, Standard Practice for Operating Salt Spray (Fog) Apparatus

ASTM B283/~~B283M-20-11a~~, Standard Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed)

~~ASTM B536-07, Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip~~

ASTM B584-144(2022), Standard Specification for Copper Alloy Sand Castings for General Applications

ASTM D395-1803-(2008), Standard Test Methods for Rubber Property-Compression Set

ASTM D412-106(2021)a2, Standard Test Methods for Vulcanized Rubber and Thermoplastic ~~Rubber and Thermoplastic~~ Elastomers—Tension

ASTM D471-16a0, Standard Test Method for Rubber Property-Effect of Liquids

ASTM D573-04-(20190), Standard Test Method for Rubber-Deterioration in an Air Oven

ASTM D4894-1907, Standard Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials

ASTM D4895-180, Standard Specification for Polytetrafluoroethylene (PTFE) Resin Produced From Dispersion

ASTM E29-2208 (1999), Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

Publisher: American Society for Testing and Materials (ASTM International), 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959 (www.astm.org)

ISO 9000:20105, Quality management systems — Fundamentals and vocabulary

ISO 9001:201508, Quality management systems — Requirements

Publisher: International Organization for Standardization (ISO), ISO Central Secretariat, +, ch. de la Voie-Creuse, Case postale 56, CH 1211, Gene`ve 20, Switzerland/Suisse Chemin de Blandonnet 8 CP 401 - 1214 Vernier, Geneva, Switzerland (www.iso.org)

MPIF Standard 35-072020, Materials Standards for PM Structural Parts

Publisher: Metal Powder Industries Federation (MPIF), 105 College Road East, Princeton, NJ 08540-6692 (www.mpif.org)

SAE J525 ~~201609-1999~~, Welded and Cold Drawn Steel Low-Carbon Steel Tubing Annealed for Bending and Flaring

Publisher: Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0004 (www.sae.org)

**Below are Substantive changes (highlighted in blue) resulting from the 1<sup>st</sup> ANSI Public Review. The blue highlighted changes are open for 2<sup>nd</sup> ANSI Public Review comments. Any other comments will be held for the next revision cycle.**

**Please send any comments to pmcgillicuddy@ies.org .**

## 4.2 Header Element

The required `Header` element is the parent of the document header section. This section contains information that is not specific to the luminaire data. Header elements are listed in **Table 1**.

**Table 1. Header Element Fields**

Element Description	Element Name	Data Type	Required	Document Section
Unique Identifier	<code>UniqueIdentifier</code>	<code>xs:string</code>	Yes	4.2.10

### 4.2.10 Unique Identifier Element

The **required** `UniqueIdentifier` element contains a Universally Unique Identifier (UUID) as defined by RFC 4122 (see **Section 2.15**). Most scientific programming language libraries include functions that will automatically generate UUIDs.

#### 4.5.13.3 Intensity Scaling Element

The optional `IntensityScaling` element, if “true”, indicates that the reported intensity data has been uniformly scaled with respect to the laboratory measurements. **A required attribute titled “comment” shall be used to describe the Intensity Scaling.**

b

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the luminous intensity measurements. **An required attribute titled “comment” shall be used to describe the Multiplier.**

#### 4.5.15.3.3 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the radiant intensity measurements. **A required attribute titled “comment” shall be used to describe the Multiplier.**

#### 4.5.16.3.3 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the photon intensity measurements. **A required attribute titled “comment” shall be used to describe the Multiplier.**

#### 4.5.17.1.3 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the spectral power measurements. A required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.17.2.3 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the angular spectral intensity measurements. A required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.18.3 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the luminous intensity (CIE *Y*) measurements. A required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.19.2 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the illuminance measurements. An required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.20.2 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the irradiance measurements. An required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.21.2 Multiplier Element

The optional `Multiplier` element, if present, indicates a floating-point multiplier that shall be applied to the photon flux density measurements. An required attribute titled “comment” shall be used to describe the `Multiplier`.

#### 4.5.22.2 Multiplier Element

The optional `Multiplier` element, if present indicates a floating-point multiplier that shall be applied to the spectral irradiance measurements. An required attribute titled “comment” shall be used to describe the `Multiplier`.

## BSR/UL 94, Standard for Safety for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

### 1. Clarification of Significant Digits of Film Thickness in Paragraphs 8.1.2 and 11.1.1

#### PROPOSAL

8.1.2 Some materials, due to their thinness distort and/or shrink and/or are consumed up to the holding clamp when subjected to this test. The test specimens used in this test method shall be limited to a minimum thickness of 0.025 mm. Test specimens with a thickness less than 0.025 mm shall be tested in accordance with the test procedure in the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2, Section 11.

*Exception No. 1: Test specimens with a thickness less than 0.025 mm may be subjected to the 20 mm Vertical Burning Test; V-0, V-1, or V-2 if the specimens cannot be properly formed for the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2, as indicated in 11.3.2 and 11.3.3.*

*Exception No. 2: A test specimen with a thickness less than or equal to ~~0.25~~ 0.250 mm, but greater than or equal to 0.025 mm that is capable of meeting the physical property requirements of both the 20-mm Vertical Burning Test and the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2 test (Section 11) shall be evaluated by the test of choice.*

11.1.1 This test is intended to be performed on materials that due to their thinness distort and/or shrink and/or are consumed up to the holding clamp when tested using the test described in the 20 mm Vertical Burning Test; V-0, V-1, or V-2, Section 8. The test specimens used in this test method shall be limited to a maximum thickness of 0.250 mm. The materials shall also possess physical properties that will allow a 200 ±5 mm long by 50 ±1 mm wide specimen to be wrapped longitudinally around a 13 mm diameter mandrel (see 11.3.2).

*Exception No. 1: A test specimen with a thickness less than 0.025 mm shall not be subjected to the 20 mm Vertical Burning Test; V-0, V-1, or V-2, Section 8 prior to conducting the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2, Section 11.*

*Exception No. 2: A test specimen with a thickness less than or equal to ~~0.25~~ 0.250 mm, but greater than or equal to 0.025 mm, that is capable of meeting the physical and performance requirements of both the 20-mm Vertical Burning Test; V-0, V-1, or V-2 (Section 8) and the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2 (Section 11) shall be evaluated by the test of choice.*

*Exception No. 3: A test specimen with a thickness greater than 0.250 mm may be subjected to the Thin Material Burning Test; VTM-0, VTM-1, or VTM-2, Section 11 only if the specimen distorts and/or shrinks and/or is consumed up to the holding clamp when tested according to the 20 mm Vertical Burning Test; V-0, V-1 or V-2, Section 8.*

**BSR/UL 414, Standard for Safety for Meter Sockets****1. Editorial correction to section headings of Supplement SA****PROPOSAL****SA4 Markings** Heating Test**SA6 General** Markings**2. Addition of Supplement SC, Meter Socket Adapters with Branch Circuit Connections****PROPOSAL**

SC2.2 The dimensions of the base of the adapter shall be in accordance with the appropriate envelope design as covered in Figures 2 – 10 of Electromechanical Watthour Meters, ANSI C12.10-1987. Additional openings and slots may be provided in the base of the adapter.

SC2.4 Surge protection gaps: A meter socket adapter shall be provided with means to ground the grounding straps of surge gaps on watthour meters. The grounding means shall extend over be located only within the area defined in the appropriate envelope designs as covered in Electromechanical Watthour Meters, ANSI C12.10-1987. The straps shall either be bonded to the enclosure or exposed dead metal or connected to grounding straps on the male end of the meter socket adapter.

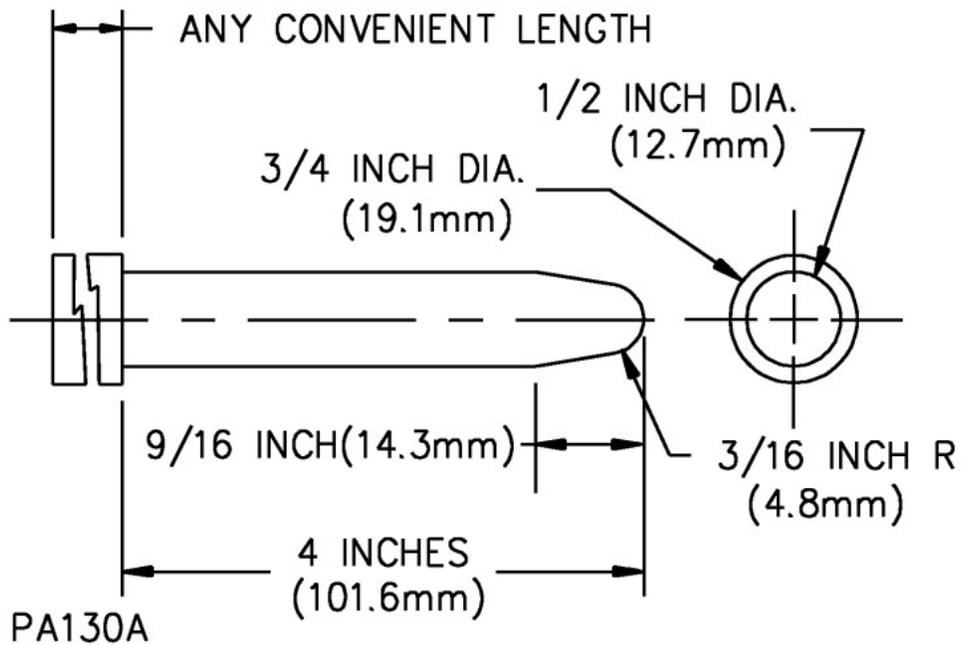
*Exception: Additional grounded metal may be provided outside the identified radii when it is completely insulated with a barrier in accordance with Barriers, Section 9 and the final assembly allows for the complete seating of any metering device.*

SC2.7 Meter socket adapters shall be provided with means for sealing by the utility to prevent removal of the meter from the meter socket adapter and removal of the meter socket adapter from the meter socket without breaking the utility seal. Any covers or doors that provide access to terminals or serviceable parts of the adapter assembly shall have provisions for sealing or locking by the utility. Covers or doors that provide access only to components or circuits that do not involve a fire or shock hazard, as defined by SB5.8, and that are located on the load side of the meter are not required to be provided with means for sealing by the utility.

SC5.7 Lockable eCovers shall be provided with locking means or shall require the use of a tool to prevent replacement of fuses by unauthorized persons.

SC12.4.5 The neutral disconnect shall be located or otherwise guarded, recessed, or enclosed, so as to prevent unintentional contact with uninsulated, ungrounded parts on the line side of the service disconnect switches or circuit breakers while removing or replacing the disconnecting means and shall be evaluated in accordance with SC12.7SC12.6.

**Figure 13.2**  
**SC13.2**  
**Straight Probe**



SC14.4 A terminal, as described in SC11.7 and SC12.1 shall be marked with one of the following:

- a) "Equipment-Grounding Terminal" or wording that has been determined to be the equivalent; or
- b) The symbol shown in Figure SC13.2SC14.1.

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## BSR/UL 444, *Standard for Safety for Communications Cables*

### 1. TOPIC - Addition of CMX Outdoor-Plenum

#### PROPOSAL

##### 5 Construction

##### 5.1 Conductors

5.1.15 "CMX Outdoor –CMP" shall also comply with the requirements for CMP cables. These cables may have an overall diameter greater than 6.35 mm (0.25 in).

##### 8.3 Required marking

##### 8.3.6 Type "CMX Outdoor"

A cable which meets the requirements in 5.1.11, passes the VW-1 flame test in CSA C22.2 No. 2556 or UL 2556, and meets the weatherometer test and the cold impact test described in ~~Clauses~~ 7.12 and 7.13 of this standard may be marked "CMX Outdoor".

Cables meeting the requirements in 5.1.12, pass the VW-1 flame test in CSA C22.2 No. 2556 or UL 2556, and meet the weatherometer test and the cold impact test described in ~~Clauses~~ 7.12 and 7.13 of this standard and the requirements for CMR may be marked "CMX Outdoor-CMR".

Cables meeting the requirements in 5.1.13, pass the VW-1 flame test in CSA C22.2 No. 2556 or UL 2556, and meet the weatherometer test and the cold impact test described in ~~Clauses~~ 7.12 and 7.13 of this standard and the requirements for CMG may be marked "CMX Outdoor-CMG".

Cables meeting the requirements in 5.1.14, pass the VW-1 flame test in CSA C22.2 No. 2556 or UL 2556, and meet the weatherometer test and the cold impact test described in ~~Clauses~~ 7.12 and 7.13 of this standard and the requirements for CM may be marked "CMX Outdoor-CM".

Cables meeting the requirements in 5.1.15, pass the VW-1 flame test in CSA C22.2 No. 2556 or UL 2556, and meet the weatherometer test and the cold impact test described in 7.12 and 7.13 of this standard and the requirements for CMP may be marked "CMX Outdoor-CMP".

### 2. TOPIC -Sunlight Resistance Test - Removal of Carbon-Arc PROPOSAL

##### 7.12 Weatherometer test for Type CMX ~~C~~ cable

7.12.1 The overall jacket on Type CMX cable that is smaller in diameter than 6.35 mm (0.25 in) and is surface- or tape-marked "outdoor" shall be acceptable for exposure to sunlight if the ratio of the average tensile strength and ultimate elongation of five specimens (conditioned for a period of 300 h) of the overall jacket to the average tensile strength and ultimate elongation of five unaged specimens of the overall jacket is 0.85 or more when the jacket is tested as outlined in the test, Insulation and Jacket Materials – Physical properties, weather (sunlight) resistance, in CSA C22.2 No. 2556 or UL 2556 using ~~either the xenon arc or carbon arc~~ method.

##### 7.22 Sunlight resistant test

Any cable that is marked for sunlight-resistant use as described in ~~Clause~~ 8.3.8 shall be considered acceptable for use in sunlight if the ratio of the average tensile strength and ultimate elongation of five conditioned specimens of the overall jacket to the average tensile strength and ultimate elongation of five unconditioned specimens of the overall jacket is 0.80 or more, when the finished cable is conditioned and tested in accordance with the weather (sunlight) resistance test in CSA C22.2 No. 2556 or UL 2556, using 720 h ~~of carbon arc exposure, or~~ xenon-arc exposure.

### **3. TOPIC - Add laser marking to cable surface marking**

#### **PROPOSAL**

##### **8.2 Type of marking**

##### **8.2.2 Surface marking**

Surface marking shall be ink, [laser](#), indented, or embossed marking that is printed on the outside surface of the overall jacket.

[The thickness of the insulation or jacket under the printing shall not be reduced below the minimum required.](#)

[Laser printing shall be acceptable if it does not reduce the tensile strength and elongation \(unaged and after conditioning\) below the minimum allowed for the material. The laser-imprinted area shall not be buffed or skived during the test.](#)

### **4. TOPIC - Changes to 7.14.5 CMX and CMUC**

#### **PROPOSAL**

##### **7.14 Flame and smoke requirements**

7.14.5 Types CMX and CMUC shall comply with the VW-1 flame test described in CSA C22.2 No. 2556 or UL 2556. Burning shall cease within 60 s after any application of flame, and not more than 25 percent of the extended indicator shall be burned. [No flaming particles shall drop from the specimen. The specimen shall not emit flaming, glowing particles or flaming droplets that ignite the cotton \(flameless charring of the cotton is not considered ignition\).](#)

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## **BSR/UL 498, Standard for Safety for Attachment Plugs and Receptacles**

### **1. Clarification of requirements for receptacle grounding terminal**

#### **PROPOSAL**

29.1.4 Only one grounding terminal shall be provided on a grounding-type receptacle. The grounding terminal of a grounding-type receptacle shall only accept a single grounding conductor and not have feed-through capability.

*Exception No. 1: A surface-mount or self-contained receptacle of the 5-15R configuration may be provided with two grounding terminals to permit through-wiring of the equipment grounding conductor if the removal of the device also disconnects the power to the downstream circuits.*

*Exception No. 2: Each outlet module of an interchangeable or modular receptacle may be provided with its own grounding terminal.*

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## BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

## 1. Inclusion of Requirements from Paragraph 9.9.3 into Table 9.1

## PROPOSAL

Note from the TC Project Manager: The version of Table 9.1 shown in this proposal does not represent the complete version of Table 9.1. The version of Table 9.1 shown in this proposal only includes the suggested revisions of the Table.

Note from the TC Project Manager: This proposal includes the removal of the final row of the Blowing Agent Additive provided in Table 9.1.

**Table 9.1**  
**Test considerations based upon compound variations**

Additive	Addition		Deletion		Replacement <sup>(5)</sup>		Change in Level <sup>(6)</sup>		
	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	(normalized %)	Table 9.2
Acid Acceptor (Scavenger)	=	=	=	=	=	=	=	≤30	A
	≤2	A	≤2	A	≤2	A	- ≤2	≤30 >30	A
	>2 but ≤5	BE	>2 but ≤5	BE	>2 but ≤5	BE	≤5 >2 but ≤5	>30	BE
	>5	BDE	>5	BDE	>5	BDE	>5	C	BDE
Antioxidant	=	=	=	=	=	=	=	Increase ≤30	A
	≤0.5	A	≤0.5	AD	≤0.5	AD	≤0.5	Increase >30	A
							≤0.5	Decrease >30	AD
	=	=	=	=	=	=	=	Decrease ≤30	AD
	>0.5	B	>0.5	BDE	>0.5	BDE	>0.5	Increase >30	B
						>0.5	Decrease >30	BDE	
Antistatic Agent	≤5	A	≤5	A	≤5	A	-	≤30	A
	- ≤5	- A	- ≤5	- A	- ≤5	- A	≤5	>30	BE <sup>(3)</sup> A
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE <sup>(3)</sup>
Compatibilizer	≤5	A	≤5	A	≤5	A	-	≤30	A
	- ≤5	- A	- ≤5	- A	- ≤5	- A	≤5	>30	BE <sup>(3)</sup> A
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE <sup>(3)</sup>
Halogen Scavenger	≤5	A	≤5	A	≤5	A	-	≤30	A
	- ≤5	- A	- ≤5	- A	- ≤5	- A	≤5	>30	BE <sup>(3)</sup> A
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE <sup>(3)</sup>
Low Wear Additive	≤5	A	≤5	A	≤5	A	-	≤30	A
	- ≤5	- A	- ≤5	- A	- ≤5	- A	≤5	>30	BE <sup>(3)</sup> A

Additive	Addition		Deletion		Replacement <sup>(5)</sup>		Change in Level <sup>(6)</sup>		
	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	(normalized %)	Table 9.2
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE <sup>(3)</sup>
Lubricant or Release Agent	≤5	A	≤5	A	≤5	A	–	≤30	A
	– ≤5	– A	– ≤5	– A	– ≤5	– A	≤5	>30	BE <sup>(4)</sup> A
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE <sup>(3)</sup>
Blowing Agent <sup>(2)</sup>	–	–	Any	O	–	–	–	All Decrease	O
	–	–			–	–	–	Increase ≤30	O
	≤1	O			≤1	O	≤1	Increase >30	C
	>1	CDE			>1	CDE	>1	Increase >30	CDE
	–	–			–	–	–	–	–
Corrosion Inhibitor	=	=	=	=	=	=	=	≤30	A
	≤1	A	≤1	A	≤1	A	– ≤1	≤30 >30	A
	>1 but ≤2	BE	>1 but ≤2	BE	>1 but ≤2	BE	≤2 >1 but ≤2	>30	BE
	>2	BDE	>2	BDE	>2	BDE	>2	>30	BDE
Coupling Agent	=	=	=	=	=	=	=	≤30	A
	≤1	AD	≤1	AD	≤1	AD	– ≤1	≤30 >30	A AD
	>1	BDE	>1	BDE	>1	BDE	– ≥1	>30	BDE
Drip Inhibitor	≤4	A	≤4	A	≤4	A	–	≤30	A
	– ≤1	– A	– ≤1	– A	– ≤1	– A	≤1	>30	BE A
	>1	BDE	>1	BDE	>1	BDE	>1	>30	BDE
Nucleating Agent	≤4	A	≤4	A	≤4	A	–	≤30	A
	– ≤1	– A	– ≤1	– A	– ≤1	– A	≤1	>30	BE A
	>1	BDE	>1	BDE	>1	BDE	>1	>30	BDE
Filler <sup>(4)</sup>	≤5	BM	≤5	BM	≤5	BM	–	≤30	BM
	– ≤5	– BM	– ≤5	– BM	– ≤5	– BM	– ≤5	>30	G BM
	>5	CDE	>5	CDE	>5	CDE	>5	>30	CDE
Reinforcement <sup>(4)</sup>	≤5	BM	≤5	BM	≤5	BM	–	≤30	BM
	– ≤5	– BM	– ≤5	– BM	– ≤5	– BM	≤5	>30	G BM
	>5	CDE	>5	CDE	>5	CDE	>5	>30	CDE
Heat Stabilizer	=	=	=	=	=	=	=	Increase ≤30	A
	≤0.5	A	≤0.5	AD	≤0.25 ≤0.5	AD	– ≤0.5	Increase >30	B A
							– ≤0.5	Increase ≤30 Decrease >30	A AD

Additive	Addition		Deletion		Replacement <sup>(5)</sup>		Change in Level <sup>(6)</sup>		
	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	(normalized %)	Table 9.2
	=	=	=	=	=	=	=	Decrease ≤30	AD
	>0.5	B	>0.5	BDE	≤0.25 ≥0.5	BDE	- ≥0.5	Decrease ≤30 Increase >30	AD B
							- ≥0.5	Decrease >30	BDE
Hydrolytic Stabilizer	≤0.5 =	A =	≤0.5 =	A =	≤0.5 =	A =	-	≤30	A
	- ≤0.5	- A	- ≤0.5	- A	- ≤0.5	- A	≤0.5	>30	BE A
	>0.5	BDE	>0.5	BDE	>0.5	BDE	>0.5	>30	BDE
Plasticizer	=	=	=	=	=	=	=	≤30	A
	≤1	A	≤1	A	≤1	A	- ≤1	≤30 ≥30	A
	>1 but ≤5	BE	>1 but ≤5	BE	>1 but ≤5	BE	≤5 >1 but ≤5	>30	BE
	>5	BDE	>5	BDE	>5	BDE	>5	>30	BDE
UV stabilizer	=	=	=	=	=	=	=	Increase ≤30	A
	≤0.5	A	≤0.5	AD <sup>8</sup>	≤0.5	AD <sup>8</sup>	- ≤0.5	Increase >30	B A
							- ≤0.5	Increase ≤30 Decrease >30	A AD <sup>8</sup>
	=	=	=	=	=	=	=	Decrease ≤30	AD <sup>8</sup>
	>0.5	B	>0.5	BD <sup>8</sup> E	>0.5	BD <sup>8</sup> E	- ≥0.5	Decrease ≤30 Increase >30	AD <sup>8</sup> B
- ≥0.5							Decrease >30	BD <sup>8</sup> E	

9.9.3 When a Change in Level occurs at a level less than the threshold of an absolute Addition or Deletion (as applicable), the appropriate test program may be based on the less extensive Program Code that is stated for either the Addition/Deletion or Change in Level circumstance. For example, if a lubricant is increased in level from 1% to 4%, the two potential Program Codes are A (Addition ≤5% Absolute) and BDE (Change in Level >30% Normalized, actually 300%). The appropriate test program would be Program Code A as it is less extensive compared to Program Code BDE.

Note: The logic of this paragraph is already included in Table 9.1.

