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CONTENTS

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Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. Use the following Public Document Library url to access PDF & EXCEL reports of approved & proposed ANS: List of Approved and Proposed ANS

Directly and materially affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org
Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC EDU-3-202x, Skills-Based Sailboat Standard (revision of ANSI/ABYC EDU-3-2017)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: To develop safety standards for the instruction of sailboat operation.
Scope: This standard defines the entry-level skills students are able to demonstrate upon successful completion of on-water entry-level courses of instruction in recreational sailboat operation.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10 | Annapolis, MD 21403 www.abycinc.org
Contact: Sara Moulton; smoulton@abycinc.org

Revision

BSR/ABYC EDU-4-202x, On-Water Instruction Standard (revision of ANSI/ABYC EDU-4-2018)

Stakeholders: Surveyors, consumers, insurance personnel, boat manufacturers, engine manufacturers, accessory manufacturers, government, service specialists, and trade associations.
Project Need: To develop safety standards regarding instruction of recreational boating.
Scope: This core voluntary standard applies to entry-level power, sail, and human-propelled on-water skills-based courses in the U.S., its territories, and District of Columbia and is designed to function within a national system of standards for recreational boat operation.

ACI (American Concrete Institute)

38800 Country Club Drive | Farmington Hills, MI 48331 www.concrete.org
Contact: Shannon Banchero; shannon.banchero@concrete.org

New Standard

BSR/ACI CODE-307-202x, Requirements for Reinforced Concrete Chimneys - Code and Commentary (new standard)

Stakeholders: Structural engineers, contractors, licensed design professionals.
Project Need: This Code provides material, design, and detailing requirements for cast-in-place and precast reinforced concrete chimneys.
Scope: This Code provides material, design, and detailing requirements for cast-in-place and precast reinforced concrete chimneys. It sets forth minimum loadings for design and contains methods for determining the concrete and reinforcement required to obtain the strength required by the loadings. The methods of analysis apply primarily to circular chimney walls, but guidance is included for applying the general principles to noncircular chimney walls.

ACI (American Concrete Institute)

38800 Country Club Drive | Farmington Hills, MI 48331 www.concrete.org
Contact: Shannon Banchero; shannon.banchero@concrete.org

New Standard

BSR/ACI CODE-369.1-202x, Seismic Evaluation and Retrofit of Existing Concrete Buildings - Standard Requirements and Commentary (new standard)

Stakeholders: Structural engineers, contractors, licensed design professionals.
Project Need: This standard provides retrofit and rehabilitation criteria for reinforced concrete buildings based on results from the most recent research on the seismic performance of existing concrete buildings.
Scope: This standard provides retrofit and rehabilitation criteria for reinforced concrete buildings based on results from the most recent research on the seismic performance of existing concrete buildings. The intent of this standard is to provide a continuously updated resource document for modifications to Chapter 10 of ASCE 41-17. This standard should be used in conjunction with Chapters 1 through 7 of ASCE 41-17. This standard does not provide modeling procedures, acceptance criteria, and rehabilitation measures for concrete-encased steel composite components.

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201 | Stafford, VA 22554 www.agsc.org
Contact: Kathy Bimber; kbimber@glass.com

New Standard

BSR/AGSC/NWRD/ROLAGS 002-202x, Auto Glass Safety Council/National Windshield Repair Division/Repair of Laminated Automotive Glass Standard 002 (new standard)

Stakeholders: Automotive glass repair technicians, windshield repair companies, windshield repair franchisors, windshield repair suppliers, manufacturers, insurance companies, trainers, associations, consumers, publishers, consultants, product users, and others.
Project Need: The standard provides for the procedures to be followed for a proper auto glass repair (not replacement).
Scope: A laminated automotive glass repair standard addressing procedures, education and products. Focused on repair, not replacement.

ASTM (ASTM International)

100 Barr Harbor Drive | West Conshohocken, PA 19428-2959 www.astm.org
Contact: Corice Leonard; accreditation@astm.org

New Standard

BSR/ASTM WK78477-202x, New Practice for Using a High-Resolution Optical Microscope and a Mini-Tensile Tester for Quantifying Surface Cracking Propensity of Photovoltaic Backsheets (new standard)

Stakeholders: Photovoltaic Electric Power Conversion industry.
Project Need: The values stated in SI units are to be regarded as the standard. No other units of measurement are included in this standard. This standard does not purport to address all of the safety concerns, if any, associated with its use.
Scope: This practice describes basic principles and operating procedures for using a high-resolution optical microscope to monitor the initiation and propagation of surface cracking on aged photovoltaic (PV) backsheets under in-situ tensile deformation. This practice contains the procedures to conduct in-situ tensile testing using a mini-tensile tester under a laser-scanning confocal microscope, and to measure the depth and density of cracks on the surface of the aged PV backsheets under tensile deformation.

AWS (American Welding Society)

8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org
Contact: Mario Diaz; mdiaz@aws.org

Revision

BSR/AWS D17.1/D17.1M-202x, Specification for Fusion Welding for Aerospace Applications (revision of ANSI/AWS D17.1/D17.1M:2017-AMD2)

Stakeholders: The Aerospace industry and all subcontractors will use this specification for welder certification, inspection, and acceptance of all welded aerospace production hardware.
Project Need: This revision will address specific issues that have developed since the original document was issued.
Scope: This specification provides the general welding requirements for welding aircraft and space hardware. It includes but is not limited to the fusion welding of aluminum-based, nickel-based, iron-based, cobalt-based, magnesium-based, and titanium-based alloys using electric arc and high-energy beam processes. There are requirements for welding design, personnel and procedure qualification, inspection, and acceptance criteria for aerospace, support, and nonflight hardware. Additional requirements cover repair welding of existing hardware. A commentary for the specification is included.

AWS (American Welding Society)

8669 NW 36th Street, Suite 130 | Miami, FL 33166-6672 www.aws.org
Contact: Peter Portela; pportela@aws.org

Revision

BSR/AWS D20.1/D20.1M-202x, Specification for Fabrication of Metal Components using Additive Manufacturing (revision of ANSI/AWS D20.1/D20.1M-2019)

Stakeholders: Manufacturers of additive manufacturing equipment, consumers of additively manufactured products and educators of additive manufacturing equipment operators and people who test and measure properties of additively manufactured products.
Project Need: This document will provide requirements for companies who choose to either specify or use this set of processes to fabricate additively manufactured products. It will also provide a starting point for personnel who are tasked with developing process procedures for these processes.
Scope: This specification provides the general requirements for fabrication of metal components using additive manufacturing. It provides guidance for the interaction between the Engineer and the Contractor. It includes the design, qualification, fabrication, inspection, and acceptance of additively manufactured components. A commentary for the specification is included.

BEPP (Board of Executive Protection Professionals)

8131 Dolce Flore Avenue | Las Vegas, NV 89178 https://www.scg-lv.com/
Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/ADV-202X, Security Advances for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to plan and execute Security Advances during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

8131 Dolce Flore Avenue | Las Vegas, NV 89178 https://www.scg-lv.com/
Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/CPSEPO-202X, Covert Protection Systems during Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide Covert Protection during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/CSEPO-202X, Canine Support for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base, duties and responsibilities required to provide canine support during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/CYBR-202X, Cyber Security Awareness and Systems for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide Cyber Security Awareness and Systems during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/DTEPO-202X, Defensive Tactics during Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base, duties and responsibilities pertaining to defensive tactics during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/ESFO-202X, Estate Security (Family Office) Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to design and operate Estate Security and Family Office Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/ITEPO-202X, International Travel during Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide a safe and secure environment while traveling internationally during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/MPC-202X, Medical Procedures and Considerations during Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required with respect to Medical Procedures and Considerations during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/MPPL-202X, Mitigating Personal and Professional Liability in Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and responsibilities required to mitigate personal and professional liabilities during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/PISEPO-202X, Protective Intelligence Systems for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide Protective Intelligence Systems during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/REPO-202X, Robotics in Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to plan and execute the use of Robotics during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

8131 Dolce Flore Avenue | Las Vegas, NV 89178 https://www.scg-lv.com/
Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/SOCEPO-202X, Security Operations Center (Local and Global) for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to design and operate local and global Security Operations Centers during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

8131 Dolce Flore Avenue | Las Vegas, NV 89178 https://www.scg-lv.com/
Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/SST-202X, Safe and Secure Motor Vehicle Transportation for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide Safe and Secure (motor vehicle) Transportation during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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Contact: James Cameron; info@ep-board.org

New Standard

BSR/BEPP/STEPP-202X, Selection and Training for Executive Protection Professionals (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and responsibilities required during the selection and training of Executive Protection Professionals. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/TSCM-202X, TSCM (Technical Surveillance Countermeasures) during Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to plan and deploy Technical Surveillance Countermeasures during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals.

BEPP (Board of Executive Protection Professionals)

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New Standard

BSR/BEPP/VRTA-202X, Vulnerability, Risk and Threat Assessment for Executive Protection Operations (new standard)

Stakeholders: (a) High-net-worth and at-risk individuals and their families who require personal security and protection; (b) Organizations, such as Fortune 100 Companies, which employ individuals and or teams to provide high-level executive/personal protection to their C Suite executives. (c) Security companies that contract or subcontract to their at-risk clients executive/personal protection; (d) Local and Federal law enforcement agencies who provide close personal protection to elected officials; (e) New and seasoned personal protection professionals; (f) Executive/personal protection training organizations.
Project Need: When charged with the protection and security of individuals, including children, it is imperative to have certain minimum standards to refer to, which currently do not exist. The motivation is to create a consistent and measurable platform in this niche yet expanding security industry market.
Scope: Our national standard will focus on the knowledge base and duties required to provide Vulnerability, Risk and Threat Assessments prior to and during Executive Protection Operations. This standard will establish the platform for competently, professionally, and ethically providing this specialized service for high-net-worth individuals, government officials, business executives, foreign diplomats, and other at-risk individuals

CTA (Consumer Technology Association)

1919 S. Eads Street | Arlington, VA 22202 www.cta.tech
Contact: Catrina Akers; cakers@cta.tech

Revision

BSR/CTA/NSF-2052.1-A-202x, Definitions and Characteristics for Wearable Sleep Monitors (revision and redesignation of ANSI/CTA 2052.1-2016)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To revise ANSI/CTA/NSF-2052.1 and address terms and definitions for consumer sleep-wearable devices used to describe sleep and indicates the functionality necessary to measure the characteristics of sleep.
Scope: This standard specifies terms and definitions for consumer sleep wearable devices used to describe sleep and indicates the functionality necessary to measure the characteristics of sleep.

CTA (Consumer Technology Association)

1919 S. Eads Street | Arlington, VA 22202 www.cta.tech
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New Standard

BSR/CTA 2108-202x, Best Practices for Real World Analysis of Health Solutions (new standard)

Stakeholders: Consumers, manufacturers, and retailers.
Project Need: To develop best practices for testing and measurement of health data solutions in a real-world setting.
Scope: This document explores the best practices for testing and measurement of health data solutions in a real-world setting.

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200 | Brooklyn, NY 11202-3200 www.esta.org
Contact: Richard Nix; standards@esta.org

New Standard

BSR/ESTA E1.76-202x, Wire Rope Tension Grids (new standard)

Stakeholders: Theatre consultants, architects, wire rope tension grid manufacturers, stage hands, and companies providing rigging services for touring concerts and other road shows.
Project Need: Wire tension grids have been in use since at least 1949 in anechoic chambers. Since then, tension grids have evolved from black box theater lighting positions to massive work-access platforms for arena rigging. Construction designs for them have evolved over the decades without a guiding document for capacity loading, roof loading, handrails, rigging openings, and edge protection.
Scope: This standard for wire rope tension grids will cover design and application criteria including: the loading, self-weight considerations, transitions between levels, and suspension from structure. The standard will provide deflection criteria for both structural elements and the woven mesh. The standard will offer guidance on the size of openings, including trap doors and bays similar to loft-wells. The standard will provide requirements for hand rails and consideration for other accessories such as stage lighting battens.

ISA (International Society of Automation)

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New Standard

BSR/ISA 5.1-202x, Instrumentation Symbols and Identification (new standard)

Stakeholders: Industry sectors employing instruments and instrumentation systems used for measurement and control of industrial processes.
Project Need: Update ISA-5.1-2009 (formerly ANSI/ISA-5.1-2009).
Scope: Establish a uniform means of designating instruments and instrumentation systems used for industrial process measurement and control. This designation system includes symbols and an identification code.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org
Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR NEMA WC 27500-202x, Standard for Aerospace and Industrial Electrical Cable (revision of ANSI NEMA WC 27500 -2020)

Stakeholders: Parties with an interest in in insulated wires for use in aerospace, electrical, electronic, and high-performance applications.
Project Need: Revisions necessary to bring the standard in line with current manufacturing processes.
Scope: This standard contains requirements for finished cables. Component wires are covered by other referenced standards. These cables are intended for signal and low-voltage power applications with defined environment or temperature conditions found in commercial aircraft, military aircraft, and high-performance vehicles.

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900 | Arlington, VA 22209 www.nema.org
Contact: Khaled Masri; Khaled.Masri@nema.org

Revision

BSR NEMA WC 67-202x, Standard for Uninsulated Conductors Used in Electrical and Electronic Applications (revision of ANSI/NEMA WC 67-2015 (R2021))

Stakeholders: Wires and cables manufacturers, aerospace applications.
Project Need: The existing standard is needed by industry.
Scope: This standard covers the following uninsulated conductors: (a) Single end (solid) and stranded; (b) coated and uncoated copper; (c) coated copper alloy; (d) coated copper-clad steel; (e) aluminum conductors; and (f) thermocouple extension conductors.

SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

11 Mile Hill Road | Newtown, CT 06470-2359 www.saami.org
Contact: Brian Osowiecki; bosowiecki@saami.org

Revision

BSR/SAAMI Z299.3-202x, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for the Use of Commercial Manufacturers (revision of ANSI/SAAMI Z299.3-2015)

Stakeholders: Commercial manufacturers, test labs, consumers, government agencies.
Project Need: Provides standards for commercial manufacturers of firearms and sporting ammunition.
Scope: In the interests of safety and interchangeability, this Standard provides pressure and velocity performance and dimensional characteristics for centerfire pistol and revolver sporting ammunition and their respective chambers. Included are procedures and equipment for determining these criteria.

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115 | Peachtree Corners, GA 30092 www.tappi.org
Contact: Brittaney Lovett; standards@tappi.org

Revision

BSR/TAPPI T 452 om-202x, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (revision of ANSI/TAPPI T 452 om-2018)

Stakeholders: Manufacturers of pulp, paper, packaging, or related products; consumers or converters of such products; and suppliers of equipment, supplies, or raw materials for the manufacture of such products.
Project Need: To revise existing TAPPI/ANSI standard with updates regarding new modern technology.
Scope: This method is for the determination of 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 45 illumination and 0 viewing geometry with the illuminating and viewing beams adjusted so that translucent materials are evaluated on an arbitrary but specific scale. The cone of light (see A.2.2 and A.2.5) used by this method is wider than that specified for the CIE Standard 45/0 geometry.

TNI (The NELAC Institute)

PO Box 2439 | Weatherford, TX 76086 www.NELAC-Institute.org
Contact: Robert Wyeth; robert.wyeth@nelac-institute.org

Revision

BSR/TNI EL-V1M4-Rev. 3.0-202x, Management and Technical Requirements for Laboratories Performing Environmental Analysis; Module 4, Quality System for Chemical Testing (revision of ANSI/TNI EL-V1M4-2018)

Stakeholders: Laboratories, accreditation bodies, and other environmental chemistry data users.
Project Need: The Module was last approved in 2018 and since that time technological as well as regulatory changes have been realized which necessitate an update to the Module. Since implementation of the 2018 version of the Module, a number of interpretation requests have been received from stakeholders and responded to by the consensus body (i.e., Expert Committee). The modified Module will also provide clarity to the laboratories and other users of the Module to facilitate the appropriate interpretation of the requirements of the Module.
Scope: Module 4, Quality Systems for Chemical Testing, is being modified to accommodate technological improvements, regulatory changes, consistency with other Modules, and to provide language modifications to improve usability for laboratories, accreditation bodies, and other users of the Module.

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

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org
* Standard for consumer products

Comment Deadline: November 14, 2021

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | shrutik@amca.org, www.amca.org

Revision

BSR/AMCA 240-202x, Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamic Performance Rating (revision of ANSI/AMCA 240-2015)
This standard establishes a uniform method of laboratory testing for the determination of the aerodynamic performance of a positive pressure ventilator (PPV) in terms of airflow rate, pressure, air density, and rotational speed, for performance rating or guarantee purposes. It is not the purpose of this standard to specify a testing procedure for the design, production, or field test of any PPV, nor is it the purpose for the standard to serve as a manual for the construction, validation, or calibration of the test facility.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: shrutik@amca.org

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org

Revision

BSR/NSF 3-202x (i20r2), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2019)
This Standard applies to commercial dishwashing; glasswashing; and pot, pan, and utensil washing machines that wash their contents by applying sprays of detergent solutions with or without blasting media granules, and sanitize their contents by applying sprays of hot water or chemical sanitizing solutions. Stationary rack and conveyor machines are covered under this Standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

Comment Deadline: November 14, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, https://ul.org/

National Adoption

BSR/UL 60079-28-202X, Standard for Safety for Explosive Atmospheres - Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation (national adoption of IEC 60079-28 with modifications and revision of ANSI/UL 60079-28-2020)
This proposal provides: Revisions to Clause 5.3.2 and Table DVF.1 of Annex F to permit a number of other cables in hazardous (classified) locations that can incorporate optical fiber elements.
Click here to view these changes in full
Send comments (copy 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

UL (Underwriters Laboratories)

12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, NC 27709-3995 | Doreen.Stocker@ul.org, https://ul.org/

Revision

BSR/UL 207-202x, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical (revision of ANSI/UL 207-2020)
The following changes in requirements are being proposed: (1) Revise 11.2 to remove Table 11.1; (2) Revise requirements in 5.7 to include ASHRAE Group 2L Refrigerants; and (3) Harmonize piping and tubing requirements with ASHRAE Standard 12 Addendum E.
Click here to view these changes in full
Send comments (copy 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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 | Paul.E.Lloret@ul.org, https://ul.org/

Revision

BSR/UL 539-202x, Standard for Safety for Single and Multiple Station Heat Alarms (revision of ANSI/UL 539-2018)
Recirculation of proposed new edition of UL 539/ULC-S589, binational standard that will incorporate requirements for Canada and the United States. Revised changes include clarifications and minor editorial revisions.
Click here to view these changes in full
Send comments (copy 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

Comment Deadline: November 14, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Vickie.T.Hinton@ul.org, https://ul.org/

Revision

BSR/UL 2225-202x, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2020)
This proposal provides the following changes in requirements: (1) Revision to correct cable type from ITC-ER-HL to ITC-HL in clause 10.2, Flame Test; (2) Revision to clarify Rust Resistance Test requirements in clause 18.2; and (3) Revisions to testing requirements in clause 14.1 and section 23.
Click here to view these changes in full
Send comments (copy 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

Comment Deadline: November 29, 2021

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/AAFS ASB BPR 107-202x, Best Practice Recommendation for Measuring Trigger Pull of a Firearm and Estimating Its Uncertainty (new standard)
This document provides procedures for trigger pull measurements and for estimating uncertainties associated with trigger pull measurements.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/AAFS ASB Std 137-202x, Standard for Examination and Documentation of Footwear and Tire Impression Evidence (new standard)
This standard provides the examination process and minimum documentation requirements for relevant observations and conclusions/interpretations encountered during footwear/tire tread examinations. The required documentation as outlined in this standard will allow for an appropriate review. This document is not all inclusive of the examinations that may be requested or conducted.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: November 29, 2021

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 | tambrosius@aafs.org, www.aafs.org

New Standard

BSR/AAFS ASB Std 157-202x, Required Components for a Proficiency Testing Program in Bloodstain Pattern Analysis (new standard)
This standard establishes required components of a proficiency testing program for forensic science practitioners conducting bloodstain pattern analysis. Components covered in this standard include the testing scheme, general test design, etc. It does not include specific test content.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination/.
Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | everett.bradshaw@ampp.org, www.ampp.org

National Adoption

BSR/AMPP TM0416-202x/ISO 22858-202x, Corrosion of metals and alloys - Electrochemical measurements - Test method for monitoring atmospheric corrosion (identical national adoption of ISO 22858:2020)
This document specifies a test method for atmospheric corrosion measurements, using two-electrode electrochemical sensors. It is applicable to measurements of the corrosion rate of uncoupled metal surfaces (i.e., "free" corrosion rate), galvanic corrosion rate, conductance of thin film solutions and barrier properties of organic coatings. It specifies electrochemical sensors that are used with or without organic coatings. The sensors are applicable to corrosion measurements made in laboratory test chambers, outdoor exposure sites, and service environments.
Single copy price: $See www.iso.org
Obtain an electronic copy from: www.iso.org
Order from: www.iso.org
Send comments (copy psa@ansi.org) to: everett.bradshaw@ampp.org

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Revision

BSR/ANS 55.1-202x, Solid Radioactive Waste Processing System for Light-Water-Cooled Reactor Plants (revision of ANSI/ANS 55.1-1992 (R2017))
This standard provides design, fabrication, and performance criteria and guidance for solid radioactive waste processing systems for light-water-cooled reactors. The purpose of this standard is to provide criteria to ensure that the solid radioactive waste processing systems are designed, fabricated, installed, and operated in a manner commensurate with the need to protect plant personnel and the health and safety of the public.
Single copy price: $164.00
Obtain an electronic copy from: orders@ans.org
Order from: orders@ans.org
Send comments (copy psa@ansi.org) to: pschroeder@ans.org

Comment Deadline: November 29, 2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Revision

BSR/ASME A17.1/CSA B44-202x, Safety Code for Elevator and Escalators (revision of ANSI/ASME A17.1/CSA B44 -2019)
This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks, and material lifts.
This is Package #2 of 2 Public Reviews. This Public Review includes the following records: 08-1345, 09-1761, 15 -397, 16-861, 17-2250, 18-531, 18-2573, 19-2457, and 20-2624.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Geraldine Burdeshaw; burdeshawg@asme.org

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org

Revision

BSR/ASSP A10.12-202x, Safety Requirements for Excavation (revision and redesignation of ANSI/ASSE A10.12 -1998 (R2016))
This standard applies to all open excavations made in the earth's surface that require worker and/or property protection.
Single copy price: $110.00
Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org
Order from: Tim Fisher; tfisher@assp.org
Send comments (copy psa@ansi.org) to: Same

AWI (Architectural Woodwork Institute)

46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874 | cdermyre@awinet.org, www.awinet.org

New Standard

BSR/AWI 1236-202x, Countertops (new standard)
Provide standards and tolerances for the quality and fit of countertops by establishing minimum aesthetic and performance requirements. The standards and tolerances are intended to provide a well-defined degree of control over a project's quality of materials and workmanship for the manufacture of countertops.
Single copy price: Free
Obtain an electronic copy from: http://www.gotoawi.com/awi1236.html
Order from: Cheryl Dermyre; cdermyre@awinet.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: November 29, 2021

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Revision

BSR/AWWA C300-202x, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C300 -2016)
This standard describes the manufacture of reinforced concrete cylinder pipe in sizes 30 in. to 144 in. (760 mm to 3,660 mm), inclusive.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: AWWA, Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson; polson@awwa.org

AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | polson@awwa.org, www.awwa.org

Revision

BSR/AWWA C302-202x, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302 -2016)
This standard describes the manufacture of circumferentially reinforced concrete pressure pipe, without a steel cylinder and not prestressed, in sizes from 12 in. to 144 in. (300 mm to 3,660 mm) inclusive and for working pressures not exceeding 55 psi (380 kPa) and working plus surge pressures not exceeding a total pressure of 65 psi (450 kPa).
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: AWWA, Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson; polson@awwa.org

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.60-2017 (R202x), Decorative gas appliances for installation in solid-fuel burning fireplaces (same as CSA 2.26) (reaffirmation of ANSI Z21.60-2017)
Details test and examination criteria for decorative appliances for installation in solid-fuel burning fireplaces for use with natural gas and propane. This appliance is defined as a "self-contained, free-standing, gas-burning appliance designed for installation only in a solid-fuel burning fireplace and whose primary function lies in the aesthetic effect of the flame."
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

Comment Deadline: November 29, 2021

CSA (CSA America Standards Inc.)

8501 E. Pleasant Valley Road, Cleveland, OH 44131 | ansi.contact@csagroup.org, www.csagroup.org

Reaffirmation

BSR Z21.84-2017 (R202x), Manually lighted, natural gas, decorative gas appliances for installation in solid-fuel burning appliances (same as CSA Z21.84) (reaffirmation of ANSI Z21.84-2017)
Details test and examination criteria for manually lighted, natural gas, decorative gas appliances for installation in solid-fuel burning fireplaces for use with natural gas only at a maximum input ratings of 90,000 Btu/hr. These appliances do not incorporate a pilot burner or an automatic gas ignition system. The main burner is intended to be lighted by hand each time the appliance is used.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

New Standard

BSR/ESTA BSR E1.69-202x, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources (new standard)
The standard shall describe a way of showing the end-user or equipment specifier the dimming performance of LED luminaires, when the luminaire output level is set by a control signal slowly varying from 100% to 50% and then from 50% to black-out.
Single copy price: Free
Obtain an electronic copy from: https://tsp.esta.org/tsp/documents/public_review_docs.php
Order from: Karl Ruling; standards@esta.org
Send comments (copy psa@ansi.org) to: Same

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org

New Standard

BSR/NASBLA 100-202x, Basic Boating Knowledge - Core (new standard)
This standard establishes the essential knowledge needed to reduce recreational boating risk factors and mitigate their effects. This "Core" standard is designed to be combined with discipline-specific power, sail, and/or human-propelled "Plus" standards for development of basic boating education courses and student assessment.This standard applies to basic boating knowledge for all disciplines (power, sail, or human-propelled) of recreational boating in the U.S. states, territories, and the District of Columbia.
Single copy price: Free
Obtain an electronic copy from: pam@nasbla.org
Order from: pam@nasbla.org
Send comments (copy psa@ansi.org) to: https://esp.nasbla.org/esp/

Comment Deadline: November 29, 2021

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | and_moldoveanu@nema.org, www.nema.org

New Standard

BSR/NEMA SM 31000-7-202x, Electrical Submeter - Current Sensor Accuracy (new standard)
ESM1-7 covers metrological requirements and associated testing for current sensors used with electrical energy submeters. The Standard applies to multiple sensor technologies with a variety of outputs. These sensors enable current measurement for AC and DC energy submetering. The Standard applies to indoor and outdoor applications, and covers temporary and permanently installed sensors for AC and DC applications.
Single copy price: $Draft free of charge
Obtain an electronic copy from: and_moldoveanu@nema.org
Order from: Andrei Moldoveanu; and_moldoveanu@nema.org
Send comments (copy psa@ansi.org) to: Same

NSF (NSF International)

789 N. Dixboro Rd., Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 53-202x (i139r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)
It is the purpose of this Standard to establish minimum requirements for materials, design and construction, and performance of point-of-use and point-of-entry drinking water treatment systems that are designed to reduce specific health-related contaminants in public or private water supplies. Such systems include point-of-entry drinking water treatment systems used to treat all or part of the water at the inlet to a residential facility or a bottled water production facility, and includes the material and components used in these systems. This Standard also specifies the minimum product literature and labeling information that a manufacturer shall supply to authorized representatives and system owners, as well as the minimum service-related obligations that the manufacturer shall extend to system owners.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/60982/53i139r1%20et%20al%20-%20Nitrosamine%20Reduction%20Claim%20-%20JC%20Ballot%20&%20Memo.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

NSF (NSF International)

789 N. Dixboro Rd., Ann Arbor, MI 48105 | mmilla@nsf.org, www.nsf.org

Revision

BSR/NSF 58-202x (i96r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)
The purpose of this Standard is to establish minimum requirements for materials, design and construction, and performance of reverse osmosis drinking water treatment systems. This Standard also specifies the minimum product literature that manufacturers shall supply to authorized representatives and owners, as well as the minimum service-related obligations that manufacturers shall extend to system owners.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/60982/53i139r1%20et%20al%20-%20Nitrosamine%20Reduction%20Claim%20-%20JC%20Ballot%20&%20Memo.pdf
Send comments (copy psa@ansi.org) to: mmilla@nsf.org

Comment Deadline: November 29, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | annemarie.jacobs@ul.org, https://ul.org/

National Adoption

BSR/UL 60335-2-69-202x, Standard for Safety for Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use (national adoption with modifications of IEC 60335-2-69)
This International Standard deals with the safety of electrical motor-operated vacuum cleaners, including backpack vacuum cleaners, and dust extractors, for wet suction, dry suction, or wet and dry suction, intended for commercial indoor or outdoor use with or without attachments. They may be provided with a blowing or inflating function. It also deals with the safety of centrally sited vacuum cleaners, excluding the installation of the system. They are not equipped with a traction drive, and mains and battery-powered systems are covered. This standard also applies to machines handling hazardous dust, such as asbestos.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | mitchell.gold@ul.org, https://ul.org/

National Adoption

BSR/UL 61800-5-1-202x, Standard for Safety for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy (national adoption with modifications of IEC 61800-5-1)
This document specifies requirements for adjustable speed power drive systems, or their elements, with respect to electrical, thermal and energy safety considerations. It does not cover the driven equipment except for interface requirements. It applies to adjustable speed electric drive systems which include the power conversion, drive control, and motor or motors. Excluded are traction and electric vehicle drives. It applies to d.c. drive systems connected to line voltages up to 1 kV a.c., 50 Hz or 60 Hz and a.c. drive systems with converter input voltages up to 35 kV, 50 Hz, or 60 Hz and output voltages up to 35 kV.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

Comment Deadline: December 14, 2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Nicolette.A.Weeks@ul.org, https://ul.org/

Revision

BSR/UL 2775-202x, Standard for Fixed Condensed Aerosol Extinguishing System Units (October 15, 2021) (revision of ANSI/UL 2775-2021)
This proposal covers: (1) Revisions to Aging test.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: http://www.shopulstandards.com
Send comments (copy 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

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.

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 60384-15-2014 (R2021), Fixed Capacitors for Use in Electronic Equipment - Part 15: Sectional Specification Fixed Tantalum Capacitors with Non-Solid or Solid Electrolyte
Questions may be directed to: Laura Donohoe; ldonohoe@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 60384-21-2014 (R2021), Fixed capacitors for use in electronic equipment - Part 21: Sectional specification - Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1
Questions may be directed to: Laura Donohoe; ldonohoe@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 60384-22-2014 (R2021), Fixed capacitors for use in electronic equipment - Part 22: Sectional specification - Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2
Questions may be directed to: Laura Donohoe; ldonohoe@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 60384-26-2014 (R2021), Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte
Questions may be directed to: Laura Donohoe; ldonohoe@ecianow.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | ldonohoe@ecianow.org, www.ecianow.org

ANSI/EIA 62391-1-2014 (R2021), Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification
Questions may be directed to: Laura Donohoe; ldonohoe@ecianow.org

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | Karenvan@HL7.org, www.hl7.org

ANSI/HL7 V3 DSR, R2-2011 (R2016), HL7 Version 3 Standard: Drug Stability Reporting (eStability), Release 2
Questions may be directed to: Karen Van Hentenryck; Karenvan@HL7.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.

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation
ANSI/AGMA 6123-C2016 (R2021), Design Manual for Enclosed Epicyclic Gear Drives (reaffirmation of ANSI/AGMA 6123-C2016) Final Action Date: 10/7/2021

Reaffirmation
ANSI/AGMA 9005-F-2016 (R2021), Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-F-2016) Final Action Date: 10/5/2021

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 | kmurdoch@ans.org, www.ans.org

Reaffirmation
ANSI/ANS 19.10-2009 (R2021), Methods for Determining Neutron Fluence in BWR and PWR Pressure Vessel and Reactor Internals (reaffirmation of ANSI/ANS 19.10-2009 (R2016)) Final Action Date: 10/7/2021

Reaffirmation
ANSI/ANS 53.1-2011 (R2021), Nuclear Safety Design Process for Modular Helium-Cooled Reactor Plants (reaffirmation of ANSI/ANS 53.1-2011 (R2016)) Final Action Date: 10/7/2021

ASME (American Society of Mechanical Engineers)

Two Park Avenue, M/S 6-2B, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation
ANSI/ASME B18.1.1-1972 (R2021), Small Solid Rivets (reaffirmation of ANSI/ASME B18.1.1-1972 (R2016)) Final Action Date: 10/8/2021

Reaffirmation
ANSI/ASME B18.1.2-1972 (R2021), Large Rivets (reaffirmation of ANSI/ASME B18.1.2-1972 (R2016)) Final Action Date: 10/8/2021

Reaffirmation
ANSI/ASME B18.1.3M-1983 (R2021), Metric Small Solid Rivets (reaffirmation of ANSI/ASME B18.1.3M-1983 (R2016)) Final Action Date: 10/8/2021

Reaffirmation
ANSI/ASME B18.2.6M-2012 (R2021), Metric Fasteners for Use In Structural Applications (reaffirmation of ANSI/ASME B18.2.6M-2012) Final Action Date: 10/8/2021

Reaffirmation
ANSI/ASME B18.15-2015 (R2021), Forged Eyebolts (reaffirmation of ANSI/ASME B18.15-2015) Final Action Date: 10/8/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision
ANSI/ASTM D3679-2021, Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding (revision of ANSI/ASTM D3679-2017) Final Action Date: 9/21/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision
ANSI/ASTM F683-2021, Practice for Selection and Application of Thermal Insulation for Piping and Machinery (revision of ANSI/ASTM F683-2014) Final Action Date: 9/21/2021

Revision
ANSI/ASTM F859-2021, Specification for Heat-Sanitizing Commercial Dishwashing Machines, Multiple Tank, Conveyor Rack Type (revision of ANSI/ASTM F859-2015) Final Action Date: 9/21/2021

Revision
ANSI/ASTM F993-2021, Specification for Valve Locking Devices (revision of ANSI/ASTM F993-2017) Final Action Date: 9/21/2021

Revision
ANSI/ASTM F1138-2021, Specification for Spray Shields for Mechanical Joints (revision of ANSI/ASTM F1138-1998 (R2014)) Final Action Date: 9/21/2021

Revision
ANSI/ASTM F1199-2021, Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and 150F Maximum) (revision of ANSI/ASTM F1199-2010 (R2020)) Final Action Date: 9/21/2021

Revision
ANSI/ASTM F1200-2021, Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150F) (revision of ANSI/ASTM F1200-1988 (R2016)) Final Action Date: 6/22/2021

Revision
ANSI/ASTM F1200-2021a, Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150F (1 MPa and 65C)) (revision of ANSI/ASTM F1200-2021) Final Action Date: 9/21/2021

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech

* *New Standard*
ANSI/CTA 2098-2021, Definitions & Characteristics of Digital Therapeutics (new standard) Final Action Date: 10/4/2021

ESTA (Entertainment Services and Technology Association)

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | standards@esta.org, www.esta.org

New Standard
ANSI ES1.4-2021, Event Safety - Fire Safety Requirements (new standard) Final Action Date: 10/8/2021

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | terry.burger@asse-plumbing.org, www.asse-plumbing.

Reaffirmation
ANSI/ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-2017 (R2021), Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations (reaffirmation of ANSI/ASSE 1016 -2017/ASME A112.1016-2017/CSA B125.16-2017) Final Action Date: 10/7/2021

IAPMO (WES) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | hugo.aguilar@iapmo.org, http://www.iapmo.org

New Standard
ANSI/IAPMO WEStand-2020, Water Efficiency and Sanitation Standard (new standard) Final Action Date: 10/8/2021

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 | k.evangelista@ieee.org, www.ieee.org

New Standard

ANSI/IEEE C37.04-2021, IEEE Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V (new standard) Final Action Date: 10/4/2021

NEMA (ASC C18) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | Khaled.Masri@nema.org, www.nema.org

* *Revision*

ANSI C18.1M, Part 1-2021, Portable Primary Cells and Batteries with Aqueous Electrolyte - General and Specifications (revision of ANSI C18.1M, Part 1-2015) Final Action Date: 10/4/2021

NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | darnold@nena.org, www.nena.org

New Standard

ANSI/NENA STA-010.3-2021, NENA i3 Standard for Next Generation 9-1-1 (new standard) Final Action Date: 10/7/2021

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | jsnider@nsf.org, www.nsf.org

Revision

ANSI/NSF 14-2021 (i113r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020) Final Action Date: 10/7/2021

Revision

ANSI/NSF 44-2021 (i49r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018) Final Action Date: 10/4/2021

Revision

ANSI/NSF 330-2021 (i12r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2020) Final Action Date: 9/28/2021

Revision

ANSI/NSF 401-2021 (i25r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020) Final Action Date: 9/28/2021

Revision

ANSI/NSF 455-2-2021 (i29r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020) Final Action Date: 10/3/2021

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | standards-process@tiaonline.org, www.

Revision

ANSI/TIA 606-D-2021, Administration Standard for Telecommunications Infrastructure (revision and redesignation of ANSI/TIA 606-C-2017) Final Action Date: 10/5/2021

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | griff.edwards@ul.org, https://ul.org/

Reaffirmation
ANSI/UL 1489-2016 (R2021), Standard for Fire Tests of Fire-Resistant Pipe Protection Systems Carrying Combustible Liquids (August 6, 2021) (reaffirmation of ANSI/UL 1489-2016) Final Action Date: 10/5/2021

Revision
ANSI/UL 668-2021, Standard for Hose Valves for Fire-Protection Service (August 6, 2021) (revision of ANSI/UL 668 -2016) Final Action Date: 10/8/2021

Revision
ANSI/UL 710B-2021, Standard for Recirculating Systems (revision of ANSI/UL 710B-2014 (R2019)) Final Action Date: 10/7/2021

Revision
ANSI/UL 2775-2021, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775 -2020) Final Action Date: 10/5/2021

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.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | smoulton@abycinc.org, www.abycinc.org
Sara Moulton; smoulton@abycinc.org

BSR/ABYC EDU-3-202x, Skills-Based Sailboat Standard (revision of ANSI/ABYC EDU-3 -2017)

Seeking consensus body members who identify as boat manufacturers, accessory manufacturers, and trade associations.

BSR/ABYC EDU-4-202x, On-Water Instruction Standard (revision of ANSI/ABYC EDU-4-2018)

Seeking consensus body members who categorize as boat manufacturers, accessory manufacturers, and trade associations.

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA 22554 | kbimber@glass.com, www.agsc.org
Kathy Bimber; kbimber@glass.com

BSR/AGSC/NWRD/ROLAGS 002-202x, Auto Glass Safety Council/National Windshield Repair Division/Repair of Laminated Automotive Glass Standard 002 (new standard)

AMPP (Association for Materials Protection and Performance)

15835 Park Ten Place, Houston, TX 77084 | everett.bradshaw@ampp.org, www.ampp.org
Everett Bradshaw; everett.bradshaw@ampp.org

BSR/AMPP TM0416-202x/ISO 22858-202x, Corrosion of metals and alloys - Electrochemical measurements - Test method for monitoring atmospheric corrosion (identical national adoption of ISO 22858:2020)

ASSP (ASC A10) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | TFisher@ASSP.org, www.assp.org
Tim Fisher; TFisher@ASSP.org

BSR/ASSP A10.12-202x, Safety Requirements for Excavation (revision and redesignation of ANSI/ASSE A10.12-1998 (R2016))

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | pportela@aws.org, www.aws.org
Peter Portela; pportela@aws.org

BSR/AWS D20.1/D20.1M-202x, Specification for Fabrication of Metal Components using Additive Manufacturing (revision of ANSI/AWS D20.1/D20.1M-2019)

CTA (Consumer Technology Association)

1919 S. Eads Street, Arlington, VA 22202 | cakers@cta.tech, www.cta.tech
Catrina Akers; cakers@cta.tech

BSR/CTA/NSF-2052.1-A-202x, Definitions and Characteristics for Wearable Sleep Monitors (revision and redesignation of ANSI/CTA 2052.1-2016)

CTA is seeking new members to join the consensus body. CTA and R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products from those who create them, and adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest".)

BSR/CTA 2108-202x, Best Practices for Real World Analysis of Health Solutions (new standard)

CTA is seeking new members to join the consensus body. CTA and the R11 Health, Fitness & Wellness Committee are particularly interested in adding new members (called "users") who acquire health, fitness and wellness products. from those who create them, and in adding new members who neither produce nor use health, fitness or wellness products, and others (called members with a "general interest").

ISA (International Society of Automation)

67 Alexander Drive, Research Triangle Park, NC 27709 | crobinson@isa.org, www.isa.org
Charley Robinson; crobinson@isa.org

BSR/ISA 5.1-202x, Instrumentation Symbols and Identification (new standard)

NASBLA (National Association of State Boating Law Administrators)

1648 McGrathiana Parkway, Suite 360, Lexington, KY 40511 | pam@nasbla.org, www.nasbla.org
Pamela Dillon; pam@nasbla.org

BSR/NASBLA 100-202x, Basic Boating Knowledge - Core (new standard)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | and_moldoveanu@nema.org, www.nema.org
Andrei Moldoveanu; and_moldoveanu@nema.org

BSR/NEMA SM 31000-7-202x, Electrical Submeter - Current Sensor Accuracy (new standard)

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | arose@nsf.org, www.nsf.org
Allan Rose; arose@nsf.org

BSR/NSF 3-202x (i20r2), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2019)

BSR/NSF 53-202x (i139r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020)

BSR/NSF 58-202x (i96r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org
Brittaney Lovett; standards@tappi.org

BSR/TAPPI T 452 om-202x, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (revision of ANSI/TAPPI T 452 om-2018)

Call for Members (ANS Consensus Bodies)

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

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

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

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 or by e-mail from standards@scte.org.

Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

American National Standards (ANS) Announcements

Continued Stabilized Maintenance

VMEbus International Trade Association (VITA)

VITA Standards to Continue as American National Standards (ANS) under Stabilized Maintenance

This announcement is made in accordance with 4.7.3 Stabilized maintenance of American National Standards of the ANSI Essential Requirements (www.ansi.org/essentialrequirements). It has been determined that these standards that were stabilized in 2011, shall continue to be maintained under the stabilized maintenance option.

ANSI/VITA 1-1994 (S2021], VME64
ANSI/VITA 1.1-1997 (S2021], VME64 Extensions
ANSI/VITA 1.3-1997 (S2021], VME64x 9U x 400mm Format
ANSI/VITA 1.6-2000 (S2021], Keying for Conduction Cooled VME64x
ANSI/VITA 35-2000 (S2021], PMC-P4 Pin Out Mapping to VME-P0 and VME64x-P2

For inquiries please contact: Jing Kwok; jing.kwok@vita.com

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

AAMI - Association for the Advancement of Medical Instrumentation

Effective October 12, 2021

ANSI's Executive Standards Council has approved the reaccreditation of **AAMI - Association for the Advancement of Medical Instrumentation**, under its recently revised operating procedures for documenting consensus on AAMI-sponsored American National Standards, effective **October 12, 2021**. For additional information, please contact: Ladan Bulookbashi, Association for the Advancement of Medical Instrumentation (AAMI) | 901 N. Glebe Road, Suite 300, Arlington, VA 22203 | (703) 253-8274, LBulookbashi@aami.org

American National Standards (ANS) Process

Please visit ANSI's website (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 linkis 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)

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): 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
- Accreditation information – for potential developers of American National Standards (ANS): 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
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/
- Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/
- ANSI - Education and Training: www.standardslearn.org

American National Standards Under Continuous Maintenance

The ANSI Essential Requirements: Due Process Requirements for American National Standards provides two options for the maintenance of American National Standards (ANS): periodic maintenance (see clause 4.7.1) and continuous maintenance (see clause 4.7.2). Continuous maintenance is defined as follows:

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (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)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)
- UL (Underwriters Laboratories)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

ANSI-Accredited Standards Developers (ASD) Contacts

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.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
www.aafs.org

Teresa Ambrosius
tambrosius@aafs.org

ABYC
American Boat and Yacht Council
613 Third Street, Suite 10
Annapolis, MD 21403
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Sara Moulton
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ACI
American Concrete Institute
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AGMA
American Gear Manufacturers Association
1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314
www.agma.org

Amir Aboutaleb
tech@agma.org

AGSC
Auto Glass Safety Council
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Stafford, VA 22554
www.agsc.org

Kathy Bimber
kbimber@glass.com

AMCA
Air Movement and Control Association
30 West University Drive
Arlington Heights, IL 60004
www.amca.org

Shruti Kohli-Bhargava
shrutik@amca.org

AMPP
Association for Materials Protection and Performance
15835 Park Ten Place
Houston, TX 77084
www.ampp.org

Everett Bradshaw
everett.bradshaw@ampp.org

ANS
American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
www.ans.org

Kathryn Murdoch
kmurdoch@ans.org

ASME
American Society of Mechanical Engineers
Two Park Avenue, M/S 6-2B
New York, NY 10016
www.asme.org

Terrell Henry
ansibox@asme.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
www.assp.org

Tim Fisher
TFisher@ASSP.org

ASTM
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Corice Leonard
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AWI
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46179 Westlake Drive, Suite 120
Potomac Falls, VA 20165
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AWS
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Mario Diaz
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AWWA
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Paul Olson
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BEPP
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James Cameron
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CSA
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Debbie Chesnik
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CTA
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1919 S. Eads Street
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www.cta.tech

Catrina Akers
cakers@cta.tech

ESTA
Entertainment Services and Technology Association
271 Cadman Plaza, P.O. Box 23200
Brooklyn, NY 11202
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ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) 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 ISO members for comment and vote. Standards Action readers interested in reviewing and commenting on these documents should order copies from ANSI.

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted. The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

Agricultural food products (TC 34)

ISO/DIS 7927-1, Spices and condiments - Fennel seed, whole or ground (powdered) - Part 1: Bitter fennel seed (Foeniculum vulgare P. Miller var. vulgare) - Specification - 12/24/2021, $40.00

Aircraft and space vehicles (TC 20)

ISO/FDIS 9528, Aerospace - Standard-weight polytetrafluoroethylene (PTFE) hose assemblies, classification 204°C/21 000 kPa - Procurement specification - 12/24/2021, $71.00

ISO/FDIS 9938, Aerospace - Polytetrafluoroethylene (PTFE) hose assemblies, classification 204°C/28 000 kPa - Procurement specification - 12/24/2021, $71.00

Anaesthetic and respiratory equipment (TC 121)

ISO/FDIS 10079-1, Medical suction equipment - Part 1: Electrically powered suction equipment - 12/24/2021, $33.00

Applications of statistical methods (TC 69)

ISO/DIS 10576, Statistical methods - Guidelines for the evaluation of conformity with specified requirements - 12/24/2021, $62.00

ISO/DIS 24185, Evaluation of the uncertainty of measurements from a stationary autocorrelated process - 12/24/2021, $62.00

Brand evaluation (TC 289)

ISO/DIS 20671-2.2, Brand evaluation - Part 2: Implementation and reporting - 12/24/2021, $77.00

Cleanrooms and associated controlled environments (TC 209)

ISO/DIS 14644-4, Cleanrooms and associated controlled environments - Part 4: Design, construction and start-up - 12/24/2021, $125.00

Corrosion of metals and alloys (TC 156)

ISO/DIS 4212, Corrosion of Metals and Alloys - Method of oxalic acid etching test for intergranular corrosion of austenitic stainless steel - 12/24/2021, $40.00

Dentistry (TC 106)

ISO/DIS 5467-2, Dentistry - Mobile dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems - 12/24/2021, $82.00

Earth-moving machinery (TC 127)

ISO/DIS 6683, Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests - 12/24/2021, $46.00

Environmental management (TC 207)

ISO/DIS 14100, Guidance on environmental criteria for projects, assets and activities to support the development of green finance - 12/24/2021, $98.00

Geotechnics (TC 182)

ISO/DIS 24057, Array measurement of microtremors to estimate shear wave velocity profile - 12/24/2021, $107.00

Graphic technology (TC 130)

ISO/DIS 23498, Graphic technology - Visual opacity of printed white ink - 12/24/2021, $53.00

Graphical symbols (TC 145)

ISO/DIS 7001, Graphical symbols - Registered Public information symbols - 12/24/2021, $175.00

Health Informatics (TC 215)

ISO/FDIS 22077-1, Health informatics - Medical waveform format - Part 1: Encoding rules - 12/24/2021, $112.00

Human resource management (TC 260)

ISO/DIS 30400, Human resource management - Vocabulary - 12/24/2021, $102.00

Information and documentation (TC 46)

ISO/DIS 26324, Information and documentation - Digital object identifier system - 12/24/2021, $71.00

Light gauge metal containers (TC 52)

ISO/DIS 24021-1, Light gauge metal containers - Terminology and classification - Part 1: Open-top cans and ends - 12/24/2021, $77.00

Light metals and their alloys (TC 79)

ISO/DIS 23515, Titanium and titanium alloys - Designation system - 12/24/2021, $53.00

Medical devices for injections (TC 84)

ISO/FDIS 11608-1, Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems - 12/24/2021, $134.00

ISO/FDIS 11608-2, Needle-based injection systems for medical use - Requirements and test methods - Part 2: Double-ended pen needles - 12/24/2021, $98.00

ISO/FDIS 11608-3, Needle-based injection systems for medical use - Requirements and test methods - Part 3: Containers and integrated fluid paths - 12/24/2021, $93.00

ISO/FDIS 11608-4, Needle-based injection systems for medical use - Requirements and test methods - Part 4: Needle-based injection systems containing electronics - 12/24/2021, $134.00

ISO/FDIS 11608-5, Needle-based injection systems for medical use - Requirements and test methods - Part 5: Automated functions - 12/24/2021, $82.00

ISO/FDIS 11608-6, Needle-based injection systems for medical use - Requirements and test methods - Part 6: On-body delivery systems - 12/24/2021, $77.00

Nuclear energy (TC 85)

ISO/DIS 18077, Reload startup physics tests for pressurized water reactors - 12/24/2021, $93.00

ISO/ASTM DIS 51940, Guidance for dosimetry for sterile insects release programs - 12/24/2021, $58.00

Other

ISO/DIS 11644, Leather - Test for adhesion of finish - 12/24/2021, $58.00

Plastics (TC 61)

ISO/FDIS 11339, Adhesives - T-peel test for flexible-to-flexible bonded assemblies - 12/24/2021, $40.00

Quality management and quality assurance (TC 176)

ISO/DIS 10008, Quality management - Customer satisfaction - Guidance for business-to-consumer electronic commerce transactions - 12/24/2021, $102.00

Railway applications (TC 269)

ISO/DIS 24675, Railway Applications - Running time calculation for timetabling - Requirements - 12/24/2021, $77.00

ISO/DIS 19659-3, Railway applications - Heating, ventilation and air conditioning systems for rolling stock - Part 3: Energy efficiency - 12/24/2021, $82.00

Road vehicles (TC 22)

ISO/DIS 15500-21, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 21: Discharge line closures - 12/24/2021, $33.00

Rolling bearings (TC 4)

ISO/DIS 8443, Rolling bearings - Radial ball bearings with flanged outer ring - Flange dimensions - 12/24/2021, $40.00

Soil quality (TC 190)

ISO/DIS 13914, Soil, treated biowaste and sludge - Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with high resolution mass selective detection (HR GC-MS) - 12/24/2021, $107.00

Sustainable development in communities (TC 268)

ISO/DIS 37109, Sustainable cities and communities - Recommendations and requirements for project developers - Meeting ISO 37101 framework principles - 12/24/2021, $102.00

Thermal insulation (TC 163)

ISO/DIS 9288, Thermal insulation - Heat transfer by radiation - Physical quantities and definitions - 12/24/2021, $77.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/FDIS 19472-2, Machinery for forestry - Winches - Part 2: Traction aid winches - 12/24/2021, $107.00

Traditional Chinese medicine (TC 249)

ISO/DIS 4754, Traditional Chinese Medicine - Fermented Cordyceps Powder - 12/24/2021, $67.00

Water quality (TC 147)

ISO/DIS 7704, Water quality - Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods - 12/24/2021, $102.00

ISO/FDIS 23196, Water quality - Calculation of biological equivalence (BEQ) concentrations - 12/24/2021, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 24668, Information technology - Artificial intelligence - Process management framework for big data analytics - 12/24/2021, $125.00

ISO/IEC DIS 17549-3, Information technology - User interface guidelines on menu navigation - Part 3: Navigation with 1-direction devices - 12/24/2021, $53.00

ISO/IEC DIS 23002-7, Information technology - MPEG video technologies - Part 7: Versatile supplemental enhancement information messages for coded video bitstreams - 12/24/2021, $165.00

ISO/IEC DIS 23090-3, Information technology - Coded representation of immersive media - Part 3: Versatile video coding - 12/24/2021, $281.00

ISO/IEC DIS 23090-5, Information technology - Coded representation of immersive media - Part 5: Visual volumetric video-based coding (V3C) and video-based point cloud compression (V-PCC) - 12/24/2021, $245.00

ISO/IEC DIS 23094-3, Information technology - General video coding - Part 3: Conformance and reference software for low complexity enhancement video coding - 12/24/2021, $88.00

ISO/IEC FDIS 23094-4, Information technology - General video coding - Part 4: Conformance and reference software for essential video coding - 12/24/2021, $98.00

ISO/IEC DIS 14496-10, Information technology - Coding of audio-visual objects - Part 10: Advanced video coding - 12/24/2021, $311.00

ISO/IEC DIS 23090-20, Information technology - Coded representation of immersive media - Part 20: Conformance for V-PCC - 12/24/2021, $125.00

ISO/IEC/IEEE FDIS 26514, Systems and software engineering - Design and development of information for users - 12/24/2021, $134.00

Newly Published ISO & IEC Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization – and IEC – the International Electrotechnical Commission. Most are available at the ANSI Electronic Standards Store (ESS) at www.ansi.org. All paper copies are available from Standards resellers (http://webstore.ansi.org/faq.aspx#resellers).

ISO Standards

Building construction (TC 59)

ISO 11432:2021, Building and civil engineering sealants - Determination of resistance to compression, $48.00

Collaborative business relationship management -- Framework (TC 286)

ISO 44004:2021, Collaborative business relationship management - Guidelines for large organizations seeking collaboration with micro, small and medium-sized enterprises (MSMEs), $73.00

Doors and windows (TC 162)

ISO 22496:2021, Windows and pedestrian doors - Vocabulary, $48.00

Elevating Work Platforms (TC 214)

ISO 16653-2:2021, Mobile elevating work platforms - Design, calculations, safety requirements and test methods relative to special features - Part 2: MEWPs with non-conductive (insulating) components, $149.00

Ergonomics (TC 159)

ISO 11228-1:2021, Ergonomics - Manual handling - Part 1: Lifting, lowering and carrying, $225.00

Geotechnics (TC 182)

ISO 22475-1:2021, Geotechnical investigation and testing - Sampling methods and groundwater measurements - Part 1: Technical principles for the sampling of soil, rock and groundwater, $250.00

Health Informatics (TC 215)

ISO 27789:2021, Health informatics - Audit trails for electronic health records, $200.00

Industrial automation systems and integration (TC 184)

ISO 23247-2:2021, Automation systems and integration - Digital twin framework for manufacturing - Part 2: Reference architecture, $73.00

ISO 8000-66:2021, Data quality - Part 66: Data quality management: Assessment indicators for data processing in manufacturing operations, $149.00

Iron ores (TC 102)

ISO 4695:2021, Iron ores for blast furnace feedstocks - Determination of the reducibility by the rate of reduction index, $73.00

Laboratory glassware and related apparatus (TC 48)

ISO 4803:2021, Laboratory glassware - Borosilicate glass tubing, $73.00

Machine tools (TC 39)

ISO 19085-16:2021, Woodworking machines - Safety - Part 16: Table band saws and band re-saws, $175.00

Mining (TC 82)

ISO 21795-1:2021, Mine closure and reclamation planning - Part 1: Requirements, $111.00

ISO 21795-2:2021, Mine closure and reclamation planning - Part 2: Guidance, $225.00

Nuclear energy (TC 85)

ISO 24459:2021, Determination of uranium content in samples coming from the nuclear fuel cycle by L-absorption edge spectrometry, $111.00

Photography (TC 42)

ISO 18947-2:2021, Imaging materials and prints - Abrasion resistance - Part 2: Rub testing of photographic prints, $111.00

Refractories (TC 33)

ISO 22685:2021, Refractory products - Determination of compressive strength at elevated temperature, $73.00

Road vehicles (TC 22)

ISO 20730-3:2021, Road vehicles - Vehicle interface for electronic Periodic Technical Inspection (ePTI) - Part 3: Data definitions, $200.00

Rubber and rubber products (TC 45)

ISO 19050:2021, Rubber, raw, vulcanized - Determination of metal content by ICP-OES, $111.00

ISO 19242:2021, Rubber - Determination of total sulfur content by ion chromatography, $111.00

ISO 4674-2:2021, Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 2: Ballistic pendulum method, $73.00

Soil quality (TC 190)

ISO 23400:2021, Guidelines for the determination of organic carbon and nitrogen stocks and their variations in mineral soils at field scale, $149.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 5682-4:2021, Equipment for crop protection - Spraying equipment - Part 4: Test methods for agitation of sprayer tanks, $73.00

ISO Technical Reports

Aircraft and space vehicles (TC 20)

ISO/TR 16158:2021, Space systems - Avoiding collisions among orbiting objects, $175.00

Applications of statistical methods (TC 69)

ISO/TR 27877:2021, Statistical analysis for evaluating the precision of binary measurement methods and their results, $149.00

Industrial automation systems and integration (TC 184)

ISO/TR 24463:2021, Digital validation by effective use of simulation, $149.00

Road vehicles (TC 22)

ISO/TR 20078-4:2021, Road vehicles - Extended vehicle (ExVe) web services - Part 4: Control, $149.00

ISO Technical Specifications

Biotechnology (TC 276)

ISO/TS 23105:2021, Biotechnology - Biobanking - Requirements for the biobanking of plant biological material for research and development, $149.00

Health Informatics (TC 215)

ISO/TS 22703:2021, Health informatics - Requirements for medication safety alerts, $175.00

Nanotechnologies (TC 229)

ISO/TS 23650:2021, Nanotechnologies - Evaluation of the antimicrobial performance of textiles containing manufactured nanomaterials, $111.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/TS 17420-8:2021, Respiratory protective devices - Performance requirements - Part 8: Special application chemical, biological, radiological and nuclear (CBRN) filtering and radiological-nuclear (RN) filtering RPD, $225.00

ISO/TS 17420-9:2021, Respiratory protective devices - Performance requirements - Part 9: Special application chemical, biological, radiological and nuclear (CBRN) supplied breathable RPD, $200.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21472:2021, Information technology - Scenario evaluation methodology for user interaction influence in biometric system performance, $111.00

ISO/IEC 23510:2021, Information technology - 3D printing and scanning - Framework for an Additive Manufacturing Service Platform (AMSP), $111.00

ISO/IEC 27555:2021, Information security, cybersecurity and privacy protection - Guidelines on personally identifiable information deletion, $149.00

ISO/IEC 22237-1:2021, Information technology - Data centre facilities and infrastructures - Part 1: General concepts, $175.00

ISO/IEC 22237-3:2021, Information technology - Data centre facilities and infrastructures - Part 3: Power distribution, $175.00

ISO/IEC 23001-14:2019/Amd 1:2021, Information technology - MPEG systems technologies - Part 14: Partial file format - Amendment 1: Support for HTTP entities, enhanced file type and byte-range priorities, $20.00

ISO/IEC 23360-1-1:2021, Linux Standard Base (LSB) - Part 1-1: Common definitions, $73.00

ISO/IEC 23360-1-2:2021, Linux Standard Base (LSB) - Part 1-2: Core specification generic part, $250.00

ISO/IEC 23360-1-3:2021, Linux Standard Base (LSB) - Part 1-3: Desktop specification generic part, $250.00

ISO/IEC 23360-1-4:2021, Linux Standard Base (LSB) - Part 1-4: Languages specification, $250.00

ISO/IEC 23360-1-5:2021, Linux Standard Base (LSB) - Part 1-5: Imaging specification, $225.00

ISO/IEC 23360-2-2:2021, Linux Standard Base (LSB) - Part 2-2: Core specification for X86-32 architecture, $250.00

ISO/IEC 23360-2-3:2021, Linux Standard Base (LSB) - Part 2-3: Desktop specification for X86-32 architecture, $250.00

ISO/IEC 23360-3-2:2021, Linux Standard Base (LSB) - Part 3-2: Core specification for IA64 (Itanium™) architecture, $250.00

ISO/IEC 23360-3-3:2021, Linux Standard Base (LSB) - Part 3-3: Desktop specification for IA64 (Itanium TM) architecture, $250.00

ISO/IEC 23360-4-2:2021, Linux Standard Base (LSB) - Part 4-2: Core specification for AMD64 (X86-64) architecture, $250.00

ISO/IEC 23360-4-3:2021, Linux Standard Base (LSB) - Part 4-3: Desktop specification for AMD64 (X86-64) architecture, $250.00

ISO/IEC 23360-5-2:2021, Linux Standard Base (LSB) - Part 5-2: Core specification for PowerPC 32 architecture, $250.00

ISO/IEC 23360-5-3:2021, Linux Standard Base (LSB) - Part 5-3: Desktop specification for PowerPC 32 architecture, $250.00

ISO/IEC 23360-6-2:2021, Linux Standard Base (LSB) - Part 6-2: Core specification for PowerPC 64 architecture, $250.00

ISO/IEC 23360-6-3:2021, Linux Standard Base (LSB) - Part 6-3: Desktop specification for PowerPC 64 architecture, $250.00

ISO/IEC 23360-7-2:2021, Linux Standard Base (LSB) - Part 7-2: Core specification for S390 architecture, $250.00

ISO/IEC 23360-7-3:2021, Linux Standard Base (LSB) - Part 7-3: Desktop specification for S390 architecture, $250.00

ISO/IEC 23360-8-2:2021, Linux Standard Base (LSB) - Part 8-2: Core specification for S390X architecture, $250.00

ISO/IEC 23360-8-3:2021, Linux Standard Base (LSB) - Part 8-3: Desktop specification for S390X architecture, $250.00

ISO/IEC TS 23619:2021, Information technology - C++ extensions for reflection, $200.00

ISO/IEC TS 23360-1-6:2021, Linux Standard Base (LSB) - Part 1-6: Graphics and Gtk3 specification, $250.00

IEC Standards

Fibre optics (TC 86)

IEC 61753-111-08 Ed. 1.0 b:2021, Fibre optic interconnecting devices and passive components - Performance standard - Part 111-08: Sealed closures for category G - Ground, $221.00

Lamps and related equipment (TC 34)

IEC 62868-2-3 Ed. 1.0 b:2021, Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels, $89.00

Performance of household electrical appliances (TC 59)

IEC 62885-2 Ed. 2.0 b:2021, Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance, $417.00

Power system control and associated communications (TC 57)

IEC 61850-7-420 Ed. 2.0 b:2021, Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes, $443.00

Semiconductor devices (TC 47)

IEC 62228-5 Ed. 1.0 b:2021, Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers, $417.00

IEC Technical Reports

Semiconductor devices (TC 47)

IEC/TR 60747-5-12 Ed. 1.0 en:2021, Semiconductor devices - Part 5 -12: Optoelectronic devices - Light emitting diodes - Test method of LED efficiencies, $392.00

IEC Technical Specifications

UHV AC transmission systems (TC 122)

IEC/TS 63042-202 Ed. 1.0 en:2021, UHV AC transmission systems - Part 202: UHV AC transmission line design, $417.00

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Menstrual Products

Comment Deadline: November 19, 2021

COPOLCO, ISO consumer policy committee, has submitted to ISO a proposal for a new field of ISO technical activity on Menstrual Products, with the following scope statement:

Standardization in the field of menstrual products, covering all products intended for both single and multiple use, regardless of material.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, November 19, 2021**.

Registration of Organization Names in the United States

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

Call for Comment

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

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

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point Contact the USA TBT Inquiry Point at (301) 975-2918; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

This is the second public review request for this standard. AMCA's internal draft approval process resulted in comments and subsequent substantive changes to the previous draft. The new draft (CD2) was recirculated among the consensus body. This public review comment period is being limited to only the red text (new) and the text that was stricken out (removed) from the attached sections of the latest AMCA 240 draft.

XXXX/AMCA Standard 240-21

CD~~1~~2

Laboratory Methods of Testing Positive Pressure Ventilators for Aerodynamic Performance Rating

Air Movement and Control Association International
30 West University Drive
Arlington Heights, Illinois
60004

3.3 Symbols

The symbols listed in Table 1 apply for the purposes of this standard. All others shall conform to ANSI/AMCA Standard 210, Section 4.

Table 1
Symbols and Subscripts

Symbol	Description	SI	I-P
a_j	Variable in polynomial coefficient equation	Dimensionless	
A	Current	amperes	
b_j	Variable in polynomial coefficient equation	Dimensionless	
f	Frequency	Hz or DC	
G	Variable in polynomial coefficient equation	Dimensionless	
h	Height	m	ft
K_j	Polynomial coefficient	Dimensionless	
m	Number of samples taken	Dimensionless	
n	Number of determinations	Dimensionless	
P_s	PPV static pressure	Pa	in. wg
P_{sx}	Static pressure at plane X	Pa	in. wg
Q	PPV airflow rate	m^3/s	ft^3/min
Q_x	Airflow rate at plane X	m^3/s	ft^3/min
Q_f	Airflow rate at free delivery	m^3/s	ft^3/min
s	Setback	m	ft
V	Voltage	volts	
$j\varphi$	Tilt	degrees	
ρ_0	Atmospheric density	kg/m3	lbm/ft3

6. Observations and Conduct of Test

In addition to the following, the manufacturer shall adhere to the requirements of ANSI/AMCA Standard 210, Section 7, as applicable.

6.4 Battery PPV Test Procedure

A battery powered PPV, whether additional power supply options exist or not, shall be tested for airflow performance using a constant voltage DC power supply. The constant voltage DC power supply shall be configured to match the nominal voltage that is specified by the PPV manufacturer. Current supplied shall self-adjust to the PPV load, without limitations. All testing of battery powered PPVs shall be completed at maximum speed.

In order to connect the constant voltage DC power supply to the PPV, the manufacturer shall provide a method of connecting the positive and negative leads coming from the power supply to the same location as the batteries. No alternate location for ease of testing shall be accepted. Provided connection must accept alligator clips or ring terminals for easy connection. Voltage measured at the connection between the PPV and constant voltage DC power supply must be within 1% of the nominal voltage that is specified by the PPV manufacturer.

In addition to the airflow test, all battery powered PPVs must be tested for runtime at maximum speed using the same unit tested for airflow performance. Batteries must be supplied along with an applicable charger by the manufacturer. Batteries shall be charged fully based on the manufacturer's instructions. Once the batteries are fully charged and all airflow test configurations for the PPV are complete, batteries shall be inserted into the PPV unit. ~~and r~~Run at maximum speed until the PPV powers off automatically. ~~PPV must be placed at least 2 meters (6.6 feet) away from obstacles or obstructions when completing the runtime test to ensure that no added restrictions are present when checking the runtime.~~ Laboratories shall record the runtime of PPVs.

Atmospheric air density for testing per section 6.4 shall differ no more than 1% from density during air performance testing.

8. Results of Test and Report

In addition to the following, the manufacturer shall adhere to the requirements of ANSI/AMCA Standard 210, Section 9, as applicable.

8.1 Results

Test results shall include atmospheric data (ρ_0), static pressure (P_{si}) and airflow (Q_i) for each determination taken, static pressure-airflow curve constants (K_0, K_1 and K_2), and airflow at free air delivery (Q_f).

In addition, test results for electrically powered PPVs shall include voltage (V), current (A) and frequency (Hz or DC).

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

NSF/ANSI Standard
for Food Equipment –

Commercial Warewashing Equipment

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6.2.X Hot water sanitizing glasswashing machines

6.2.X.1 Performance requirement

To ensure adequate sanitization, the complete cycle of hot water sanitizing glasswashing machines shall deliver a minimum of 3600 heat unit equivalents (HUE) at the surface of glasses.

6.2.X.2 Test method

HUE delivered by a hot water sanitizing glasswashing machine shall be quantified by continuous monitoring of the temperature at the surface of a glass over the course of a complete machine cycle. The glass shall be a Libbey #618[3] milk glass (8 oz) or the equivalent. Prior to the test, the machine shall be operated for at least one cycle to verify that the machine is operating in accordance with the manufacturer's minimum specifications. After verification of proper machine functioning, a standard rack containing a single glass at one of the three locations shown in Figure 5 shall be subjected to one complete machine cycle.

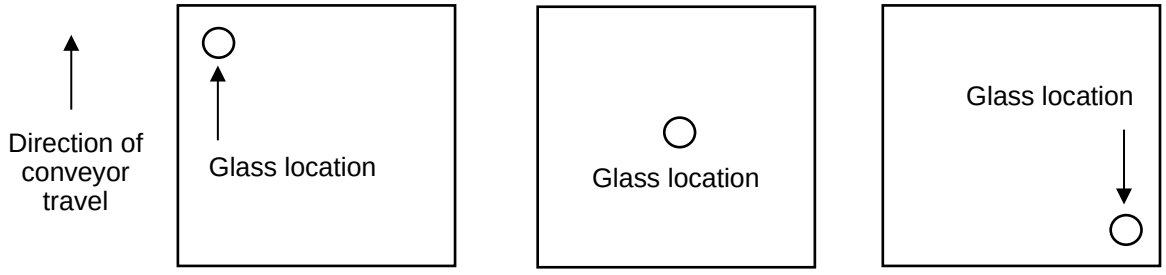

Figure 5
Glass location for determining the heat unit equivalents (HUE) delivered by a hot water sanitizing glasswashing machine

A single empty rack may be run through a complete cycle just prior to the test rack. The temperature at the glass surface shall be monitored by a calibrated thermocouple attached at the inside, bottom, center of the glass. The thermocouple shall have an accuracy of ± 1 °F (± 0.5 °C). This test shall be repeated for the two remaining glass locations indicated in Figure 5. For testing of rackless conveyor machines, the glass shall

[3] Libbey, Inc., 300 Madison Ave., Fourth Floor, Toledo, OH 43604. <www.libbey.com>.

be placed on the conveyor at locations corresponding to those on the rack in Figure 5.

If the glass washing machine is specifically designed to accommodate fewer glasses, the location of the glass shall be adjusted to achieve the maximum locations the machine will accommodate relative to the patterns in figure 5.

For stationary rack machines, glass temperatures shall be recorded at intervals of 1 s from the start of the cycle until 10 s after the cycle is finished (the machine door shall be opened at cycle completion). For conveyor machines, glass temperatures shall be recorded at intervals of 1 s from the time the glass enters the machine until 10 s after the glass has emerged from the final sanitizing rinse.

All temperature data points of 143 °F (62 °C) or greater shall be used to calculate the total HUE delivered. Calculation of HUE at each glass location shall be based on the information in Annex N-1.

6.2.X.3 Acceptance criteria

A minimum of 3600 HUE shall be accumulated at each of the three glass locations in the machine

***Rationale**: proposed language addresses testing of glasswashing machines that use hot water for sanitization.*

BSR/UL 60079-28, Standard for Explosive Atmospheres – Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation

1. Revision to Clause 5.3.2 and Table DVF.1 of Annex F to permit a number of other cables in hazardous (classified) locations that can incorporate optical fiber elements.

PROPOSAL

5.3.2 Radiation inside optical fibre or cable

5.3.2DV.1 DR *Modification of Clause 5.3.2 to replace with the following:*

The optical fibre or cable protects the release of optical radiation into the atmosphere during normal operating conditions. For EPL Gb, Db or Mb protected optical fibre cables shall be used in accordance with the applicable cable requirements of NFPA 70 ~~provided by additional armouring, conduit, cable tray, or raceway~~. For optical fibres or cables, that exit the end-equipment enclosure, the Cable pull test shall be performed according to ~~IEC~~ UL 60079-11.

~~Gb, Gc, Db and Dc equipment shall utilize~~ Optical fiber cable, with or without current-carrying conductors (i.e. composite optical fiber cable) shall comply with one of the following:

- **For Gb, Gc, Db and Dc equipment, UL 1651 for single or multiple optical fiber cable (as described in Article 770 and other applicable parts of the National Electrical Code, NFPA 70) ~~that complies with UL 1651~~; or**
- **For Gb, Gc, Db and Dc equipment, UL 2225 for Types MC-HL or ITC-HL cable; or**
- **For Gb and Gc equipment, UL 2225 for Type TC-ER-HL cable; or**
- **For Gc and Dc equipment, UL 1569, UL 1277, UL 2250 or UL 13 for Types MC, TC, TC-ER, ITC, ITC-ER, PLTC or PLTC-ER, as applicable.**

Internal or external cables can be terminated/ spliced from one fibre (from a cable) to another fibre (in a new cable) by using dedicated coupler or joining kits giving a fixed termination. For external termination/splicing, the cable connection shall provide equivalent mechanical strength to that of the cable. The procedure to perform field connections shall be detailed in the instructions.

NOTE 1 This can be achieved by using mechanical clamping or snap connection.

For EPL Gc or Dc optical fibre or cables and internal pluggable factory connections that comply with the applicable industrial standard are suitable. External optical fibre or cable field connections shall comply with the external plug and socket outlet requirements from ~~IEC~~ UL 60079-0 suitable for the EPL.

For EPL Gb, Db or Mb, optical fibre or cables connected via internal pluggable factory connections shall comply with the pluggable connections requirements from IEC 60079-15. External optical fibre or cable field connections shall comply with the external plug and socket outlet requirements from ~~IEC~~ UL 60079-0 for the required EPL.

NOTE 2 Typical examples are connections in split-boxes.

NOTE 3 Optical fibre or cable alone is not Ex equipment.

Table DVF.1

Table DVF.1 DR Modification of Table DVF.1 of Annex DVF to replace with the following:

General equivalency between Class / Division and EPL

Class / Division	Equipment protection level (EPL)
Class I, Division 1	'Ga'
Class I, Division 1*	'op pr Gb'
Class I, Division 2	'Gb', 'Gc'
Class II, Division 1	'Da'
Class II, Division 1*	'op pr Db'
Class II, Division 2	'Db', 'Dc'
* The cable requirements for 'op pr Gb' or 'op pr Db' can be used in support of equipment marked Class I, Division 1 or Class II, Division 1 as applicable based on NEC wiring method permissions.	

BSR/UL 207, Standard for Safety for Refrigerant-Containing Components and Accessories, Nonelectrical

1. Revise 11.2 to remove Table 11.1

PROPOSAL

11.2 Except as indicated in 11.3 the minimum design pressure shall not be less than 15 psig (103 kPa), and not less than the saturation pressure of the refrigerant at the following temperatures.

a) Low sides of all systems 80°F (26.7°C)

b) High side of water or evaporatively cooled systems 105°F (40.6°C)

c) High sides of air-cooled systems 125°F (51.7°C)

~~Corresponding minimum pressures are given in Table 11.1 for some refrigerants. Higher design pressures may be required for compliance with 11.1.~~

~~**Table 11.1**~~
~~**Refrigerant minimum design pressures**~~

~~Refrigerant~~	~~Group[b]~~	~~Name~~	~~Minimum design pressures[a] pounds per square inch gauge (kPa)~~					
			~~Low side~~		~~High side~~			
					~~Water or evaporatively cooled~~		~~Air-cooled~~	
~~R-13~~	~~A1~~	~~Chlorotrifluoromethane~~	~~521~~	~~(3592)~~	~~547~~	~~(3772)~~	~~547~~	~~(3772)~~
~~R-13B1~~	~~A1~~	~~Bromotrifluoromethane~~	~~230~~	~~(1586)~~	~~321~~	~~(2213)~~	~~410~~	~~(2827)~~
~~R-14~~	~~A1~~	~~Tetrafluoromethane~~	~~544~~	~~(3751)~~	~~544~~	~~(3751)~~	~~544~~	~~(3751)~~
~~R-21~~	~~B1~~	~~Dichlorofluoromethane~~	~~15~~	~~(103)~~	~~29~~	~~(200)~~	~~46~~	~~(317)~~
~~R-22~~	~~A1~~	~~Chlorodifluoromethane~~	~~144~~	~~(993)~~	~~211~~	~~(1455)~~	~~278~~	~~(1917)~~
~~R-30~~	~~B2~~	~~Methylene Chloride~~	~~15~~	~~(103)~~	~~15~~	~~(103)~~	~~15~~	~~(103)~~
~~R-40~~	~~B2~~	~~Methyl chloride~~	~~72~~	~~(496)~~	~~112~~	~~(772)~~	~~151~~	~~(1041)~~
~~R-123~~	~~B1~~	~~Dichlorotrifluoroethane~~	~~15~~	~~(103)~~	~~15~~	~~(103)~~	~~18~~	~~(124)~~
~~R-134a~~	~~A1~~	~~Tetrafluoroethane~~	~~88~~	~~(606)~~	~~135~~	~~(930)~~	~~186~~	~~(1282)~~
~~R-170~~	~~A3~~	~~Ethane~~	~~616~~	~~(4247)~~	~~709~~	~~(4888)~~	~~709~~	~~(4888)~~

Refrigerant	Group[b]	Name	Minimum design pressures[a] pounds per square inch gauge (kPa)					
			Low side		High side			
					Water or evaporatively cooled		Air-cooled	
R-290	A3	Propane	129	(889)	188	(1296)	244	(1682)
R-C318	A1	Octafluorocyclobutane	34	(234)	59	(407)	85	(586)
R-404A	A1	44 percent pentafluoroethane, 52 percent 1, 1, 1, trifluoroethane, 4 percent 1, 1, 1, 2 tetrafluoroethane	174	(1200)	253	(1745)	331	(2281)
R-407A	A1	20 percent difluoromethane, 40 percent pentafluoroethane, 40 percent 1, 1, 1, 2 tetrafluoroethane	175	(1205)	255	(1757)	335	(2308)
R-407C	A1	23 percent difluoromethane, 25 percent pentafluoroethane, 52 percent 1, 1, 1, 2 tetrafluoroethane	162	(1116)	238	(1640)	315	(2170)
R-410A	A1	50 percent difluoromethane, 50 percent pentafluoroethane	236	(1626)	341	(2349)	448	(3086)
R-500	A1	Dichlorodifluoromethane 73.8 percent and Ethylidene Fluoride 26.2 percent	102	(703)	153	(1055)	203	(1399)
R-516A	A2L	77.5 percent 2,3,3,3-tetrafluoro-1-propene 8.5 percent 1,1,1,2-tetrafluoroethane 14 percent 1,1-difluoroethane	105	(726)	153	(1052)	201	(1383)
R-600	A3	N-Butane	23	(159)	42	(290)	61	(421)
R-600A	A3	Isobutane	39	(269)	63	(434)	88	(607)
R-611	B2	Methyl Formate	15	(103)	15	(103)	15	(103)
R-717	B2	Ammonia	139	(958)	215	(1482)	293	(2020)
R-744	A1	Carbon Dioxide	955	(6685)	1058	(7295)	1058	(7295)
R-764	B1	Sulfur Dioxide	45	(310)	78	(538)	115	(793)
R-1150	A3	Ethylene	732	(5047)	732	(5047)	732	(5047)

~~Refrigerant~~	~~Group[b]~~	~~Name~~	~~Minimum design pressures[a] pounds per square inch gauge (kPa)~~		
			~~Low side~~	~~High side~~	
				~~Water or evaporatively cooled~~	~~Air-cooled~~
~~[a] See Section 11.~~ ~~[b] Classification in accordance with ASHRAE 34.~~ ~~[c] Provisional classification~~					

2. Revise requirements in 5.7 to include ASHRAE Group 2L Refrigerants

PROPOSAL

5.7 Joints on ~~copper~~ tubing used on components for use with Group 2, 2L, or 3 refrigerant, as classified in the Safety Code for Mechanical Refrigeration, ASHRAE 15, shall be brazed or welded joints or be refrigeration fittings complying with 10A.1. See 3A.25 and Table 11.1.

3. Harmonize piping and tubing requirements with ASHRAE Standard 12 Addendum E

PROPOSAL

10B Refrigeration Line Sets

10B.0 Unless subjected to the relevant tests in Sections 12 – 14 , copper tubing intended for use as a refrigeration line set shall comply with ASTM B1003–16; "Standard Specification for Seamless Copper Tube for Linesets", or shall comply with 10B.1 – 10B.3.

10B.1 Unless subjected to the relevant tests in Sections 12 – 14, copper or steel tubing or piping intended for use as a refrigeration line set shall have a wall thickness complying with:

a) Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, ASTM B280-18; Table 1: "Standard Dimensions and Weights, and Tolerances in Diameter and Wall Thickness for Straight Lengths", for straight lengths of copper tubing;

b) ASTM B280-18; Table 2: "Standard Dimensions and Weights, and Tolerances in Diameter and Wall Thickness for Coil Lengths", for coil copper tubing;

c) Nominal Pipe Size (NPS), Schedule 80, for steel pipe;

d) NPS, Schedule 40 for steel pipe intended for use only with refrigerants designated as Class A1 in accordance with the Standard for Designation and Safety Classification of Refrigerants, ANSI/ASHRAE 34;

e) Standard Specification for Seamless Copper Pipe, Standard Sizes, ASTM B42-15a; Table 3, “Standard Dimensions, Weights, and Tolerances”, for copper pipe; or

f) Standard Specification for Seamless Copper Water Tube, ASTM B88-16, Table 1, “Dimensions, Weights, and Tolerances in Diameter and Wall Thickness for Nominal or Standard Copper Water Tube Sizes”, for copper pipe.

10B.2 In reference to 10B.1 Type F steel pipe as specified in the Standard for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless, ASTM A53/53M. shall not be used as a refrigeration line set.

10B.3 In addition to any tests in Sections 12 – 19 that may apply, refrigeration line sets shall comply with Sections 19A – 19C.

BSR/UL 539, Standard for Safety for Single and Multiple Station Heat Alarms

PROPOSAL

10 Mounting

10.1 A heat alarm shall be provided with a means for mounting either to a ceiling or wall.

10.2 The means for mounting shall not result in any distortion of the heat alarm that alters its operating characteristics.

MECHANICALLY OPERATED HEAT ALARMS

(Note These requirements apply specifically to mechanically-operated alarms only)

33 Corrosion Tests

33.1 The response of a heat alarm, after being subjected to corrosive atmospheres, shall not show a time variation of more than 50% from the value obtained in the Oven Test, Section 29, the Rate-of-Rise Operation Test, Section 31, or both (as applicable),on as-received samples. For mechanically-operated heat alarms with an energized power source, n~~N~~o false alarms shall occur during the exposure and there shall not be change in the sound intensity when the units are subjected to the Oven Test.

33.2 The sensitivity of a heat alarm operating on the rate-of-rise principle, after subjected to corrosive atmospheres, shall not show a variation of more than 50 % from the value obtained in the Rate-of-Rise Operation Test, Section 31 on as-received samples. For mechanically-operated heat alarms with an energized power source, n~~N~~o false operation shall occur following the exposure to the corrosive atmospheres or at a temperature rise of 6.7°C (12°F) per min or less until a temperature of at least 54°C (130°F) is reached [starting from a temperature of 29.4°C to 32.2°C (85°F to 90°F)].

68.3.2 The sensitivity of fixed-temperature heat alarms, after they are subjected to Unconditioned Space temperature environments, shall not show a time variation of more than 50 % from the value obtained in the Oven Test, Section 29, on as-received samples. No false alarm or operation shall occur following the exposure. The sensitivity of heat alarm operating on the rate-of-rise principle~~, after they are subjected to corrosive atmospheres~~, shall not show a variation of more than 50 % from the value obtained in the Rate-of-Rise Operation Test, 31, on as-received samples. No false operation shall occur during the temperature and humidity conditioning as specified in 68.3.1.

68.3.4 All batteries included with the heat alarm for use in Unconditioned Areas, shall at a minimum have a published operational specification range no greater than minus 20°C and not less than 60°C (no greater than minus 4°F and no less than 140°F).~~of minus 40 -- 60°C (minus 40 -- 140°F). Recommended replacement batteries must also meet the temperature range~~.

68.3.5 Primary and recommended replacement batteries shall identify the maximum and minimum temperature range as specified in 64.

68.3.6 Batteries shall be tested in accordance with all applicable battery tests outlined within this standard and the operating range specified for the battery noted in 68.3.4 in accordance with the method specified in the Battery Tests, Section 64.

68.5.3 Following the vibration test, sensitivity of fixed-temperature heat alarms shall not show a time variation of more than 50% from the value obtained in the Oven Test, Section 29, on as-received samples. No false alarm or operation shall occur following the exposure. The sensitivity of heat alarm operating on the rate-of-rise principle, ~~after they are subjected to corrosive atmospheres,~~ shall not show a variation of more than 50 % from the value obtained in the Rate-of-Rise Operation Test, Section 31, on as-received samples.

Editorial:

All references to NFPA 70 and NFPA 72 (sections 4, 20.3, 21.1, 21.7, 21.9, 28.5, 70, Table 51.1) will be corrected as follows for consistency:

National Electrical Code, ~~ANSI/~~NFPA 70

~~ANSI/~~NFPA 72, The National Fire Alarm and Signaling Code.

42 Supplementary Remote Sounding Appliances

42.1 The sound output of a supplementary remote sounding appliance, intended to be installed a sleeping area, shall meet the Low Frequency Signal Format of Section 43 and comply with the Audibility Test, section 40. ~~The supplementary remote sounding appliance shall be marked with the following, or equivalent, text to indicate the specific use:~~

42.2 The supplementary remote sounding appliance shall be marked with the following, or equivalent, text to indicate the specific use:

"THIS UNIT IS TO BE INSTALLED IN A ROOM OCCUPIED FOR SLEEPING"

<<CET APPAREIL DOIT ÊTRE INSTALLÉ DANS UNE PIÈCE OCCUPÉE POUR DORMIR>>

42.~~2~~3 If the marking specified in 42.~~1~~2 is applied to the alarm, the sound output shall not be less than 75 dBA.

52 Transient Tests (Electrically-operated Heat Alarms Only)

52.1 General

52.1.1 Two electr~~onic~~ically-operated heat alarms shall be subjected to the tests specified in 52.2 – 52.7 while energized from a source of supply in accordance with Test Voltages, 26, and connected to the device(s) intended to be used with the alarm. The alarms

a) Shall operate for their intended signaling performance,

b) Shall not initiate an alarm signal, and

c) Shall not initiate a trouble signal.

BSR/UL 2225, Standard for Cable and Cable-Fittings for Use in Hazardous (Classified) Locations

1. Revision to Correct Cable Type from ITC-ER-HL to ITC-HL in Clause 10.2 Flame Test

PROPOSAL

10.2 For MC-HL and ITC-~~ER-~~HL, the test specimens for the FT4/IEEE 1202 tray flame test are the smallest size (typically 14/3) [equivalent diameter for a cable that is not round is calculated as $1.1284 \times (TW)^{1/2}$, in which T is the length of the minor axis of the cable and W is the length of the major axis of the cable] cable that the manufacturer intends to produce in each construction made.

2. Revision to Clarify Rust Resistance Test Requirements in Clause 18.2.

PROPOSAL

~~18.2 Ferrous metal other than stainless steel, shall comply with the Rust-Resistance Test in the Standard for Explosionproof and Dust-ignitionproof Electrical Equipment for Use in Hazardous (Classified) Locations, UL 1203.~~

3. Revisions to Testing Requirements in Clause 14.1 and Section 23.

PROPOSAL

14.1 A ~~C~~cable sealing fitting intended for use with multiconductor metal-clad (Type MC) cables shall be constructed in a manner such that connection between the metallic covering of the cable and the cable connector complies with the construction and test requirements of the Standard for Conduit, Tubing, and Cable Fittings, UL 514B.

23.3 Explosionproof and flameproof cable sealing fittings and cord connectors are to be subjected to a series of tests in the presence of specific gas- or vapor-air mixtures over the range of flammable or explosive concentrations to determine the maximum explosion-pressure effects of the gas- or vapor-air mixture over the test range specified in Table 23.1 and the maximum propagation effects of the gas- or vapor-air mixture as specified in either Table 23.2 (when tested according to 23.10 – 23.13) ~~and~~ or Table 23.3 (when tested according to 23.15).

Exception: Cable sealing fittings not exceeding 4 inches trade size and not using labyrinth or polymeric-to-polymeric joint constructions need not be subjected to explosion tests when the fitting complies with either (a) or (b) below in addition to being subjected to a hydrostatic pressure test in accordance with Exception No. 3 to 24.1:

a) The fitting is for use in Group C, Group D, Group IIA, or IIB, locations; or

b) The fitting is for use in Group A, Group B, or Group IIC, locations and all joints are of the tapered, threaded type, with taper of 1 in 16 (3/4 inch taper per foot).

Table 23.1

Gas-air mixtures for maximum pressure tests

Class I group	Gas	Test range percent in air	Minimum number of tests
A, IIC	Acetylene	5 – 20	10
B, IIB plus Hydrogen, IIC	Hydrogen	15 – 35	15
C, IIB	Ethylene	4 – 9	10
D, IIA	Propane	3 – 7	10

~~23.15A For explosion-proof and flameproof fittings specified for use at ambient temperatures lower than minus 25°C (minus 13°F), the explosion tests shall be permitted to be performed on the test setup described in 23.6 in accordance with the method described in UL 1203, Section 21.29 list item c) whenever lengths of conduit are not required.~~

~~23.15B For explosion-proof and flameproof fittings specified for use at ambient temperatures greater than minus 60°C (minus 140°F), the explosion tests shall be permitted to be performed on the test setup described in 23.6 in accordance with the method described in UL 1203, Section 21.29 list item c) whenever lengths of conduit are not required.~~

23.16 For explosionproof cable fittings specified and marked for use at ambient temperatures lower than minus 25°C (minus 13°F) or for flameproof cable fittings specified and marked for use at ambient temperatures lower than minus 20°C (minus 4°F), the Explosion Tests shall be determined by one of the following methods:

a) The Explosion Tests shall be performed at the minimum ambient specified, ±5°C (±9°F). When the ambient specified is such that common materials within the Group are not flammable, a test temperature shall be specified that represents the minimum temperature at which the test gasses shown in Table. 23.3 remain gasses~~.~~ ; or

b) ~~Exception:~~ For explosionproof cable fittings for use in Group A, B, C or D classified locations, rated less than minus 25°C (minus 13°F) but not less than minus 50°C (minus 58°F) or flameproof cable fittings for use in Groups IIA, IIB or IIC classified locations, rated less than minus 20°C (minus 4°F) but not less than minus 50°C (minus 58°F), the equipment shall be permitted to alternatively be subjected to the Hydrostatic Pressure Test in accordance with 24.4 and 24.5~~.~~ ; or

c) Whenever lengths of conduit are not required as part of the test setup described in 23.6, the reference pressure shall be permitted at room ambient temperature using the defined test mixture(s), but at increased pressure. The absolute pressure of the test mixture (P) shall be calculated by the following formula, using T_a in °C:

$$P = 100[\ 293 / (T_a, \min + 273)]\ (kPa)$$

or

$$P = 14.6959[\ 293 / (T_a, \min + 273)]\ (psi)$$

23.17 For explosion-proof and flameproof fittings specified for use at ambient temperatures greater than 60°C (140°F), the explosion tests shall be performed under one of the following conditions:

a) At a temperature not less than the specified maximum ambient temperature; or

b) At normal ambient temperature using the defined test mixture at increased pressure according to the factors in Table 23.4; or

c) At normal atmospheric pressure and temperature, but with the test gap increased by the factors noted in Table 23.4.

Table 23.4

Test factors to increase pressure or joint test gap

Temperature up to °C	**Groups A & B Group IIB plus Hydrogen Group IIC** **27.5% H_2 7.5% C_2H_2**	**Group C Group IIB** **37% H_2**	**Group D Group IIA** **55% H_2**
60	1.00	1.00	1.00
70	1.11	1.04	1.05
80	1.13	1.05	1.06
90	1.15	1.06	1.07
100	1.16	1.06	1.08
110	1.18	1.07	1.09
120	1.20	1.08	1.10
130	1.22	1.09	1.11