

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	16
Final Actions - (Approved ANS)	29
Call for Members (ANS Consensus Bodies)	36
American National Standards (ANS) Process	39
Accreditation Announcements (Standards Developers)	40
ANS Under Continuous Maintenance	41
ANSI-Accredited Standards Developer Contacts	42

International Standards

ISO and IEC Draft Standards	45
ISO and IEC Newly Published Standards	49
International Organization for Standardization (ISO)	52

Information Concerning

Registration of Organization Names in the United States	53
Proposed Foreign Government Regulations	54
Standards Action Publishing Calendar	55

Project Initiation Notification System (PINS)

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

ACCA (Air Conditioning Contractors of America)

David Bixby; david.bixby@acca.org | 1330 Braddock Place, Suite 350 | Alexandria, VA 22314 www.acca.org

Revision

BSR/ACCA 10 Manual SPS-202x, HVAC Design for Swimming Pools & Spas (revision of ANSI/ACCA 10 Manual SPS-2010 (RA 2017))

Stakeholders: Designers and operators of natatoriums, HVAC equipment OEMs, code officials, code bodies, HVAC contractors, and indoor air quality interests.

Project Need: A revision project is needed based on interest expressed from the Pool and Hot Tub Alliance (PHTA), and HVAC equipment OEMs, to update some of the applicable requirements.

Interest Categories: Enclosed pool and spa industry, HVAC equipment OEMs, code officials, HVAC contractors, utilities, and indoor air quality interests.

Scope: Manual SPS covers the design and installation of HVAC systems that serve natatoriums or any enclosed space that has a spa, swimming pool, decorative pool or immersion tub, except for indoor water parks. The standard provides requirements for the design of the HVAC system to continuously control the dew point temperature and air temperature of the enclosed space, and to provide ventilation air to address indoor air quality related to materials and occupants.

ASME (American Society of Mechanical Engineers)

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

New Standard

BSR/ASME PTC 9-202x, Performance Test Code for Displacement Compressors, Vacuum Pumps, and Blowers (new standard)

Stakeholders: Manufacturers, users, owners, plant operators.

Project Need: This Code will be provided to specify the performance of positive displacement compressors, blowers, and vacuum pumps. Current industry standards need to be updated for uncertainty and to update the acceptance criteria.

Interest Categories: Designers (AB), Testing Services (AQ), Users (AW), Manufacturers (AS/SP), General Interest (AF)

Scope: The purpose of this Code is to establish rules for conducting tests of displacement compressors, vacuum pumps and blowers to determine the following: 1) Capacity in relation to speed, inlet pressure, and discharge pressure 2) Power consumption in relation to speed, capacity, inlet pressure, discharge pressure, and intercooling. In addition, the Code provides rules for adjusting the test results to reconcile them with specified operating conditions.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.24-202x, Types and Applications of Engineering Drawings (revision of ANSI/ASME Y14.24-2020)

Stakeholders: Design and manufacturing, product development, (e.g., automotive, aerospace, medical, defense).

Project Need: Subcommittee is planning to review options for 3D data such as attributes and metadata.

Subcommittee will also begin review of any deferred comments along with new comments received since publication.

Interest Categories: AD Distributor; AF General Interest, Educators, technical society AS Producer, AT Regulator/Government employee, AU Consultant, AW User

Scope: This Standard defines the types of engineering product definition most frequently used to establish engineering requirements. It describes typical applications and minimum content requirements. Drawings for specialized engineering disciplines (e.g., marine, civil, construction, optics, etc.) are not included in this Standard.

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME Y14.38-202x, Abbreviations and Acronyms for Use on Drawings and Related Documents (revision of ANSI/ASME Y14.38-2019)

Stakeholders: Design and manufacturing, product development, (e.g., automotive, aerospace, medical, defense).

Project Need: New terms were submitted for review regarding ASME B40 pressure and temperature instruments and accessories standards. New terms may be add related to ANSI X12 standards. References may also be made to units of measure in ISO 80000-1.

Interest Categories: AD Distributor; AF General Interest, Educators, technical society AS Producer, AT Regulator/Government employee, AU Consultant, AW User

Scope: The abbreviations and acronyms listed in this Standard are used in engineering product definition and related documentation.

ASQ (ASC Z1) (American Society for Quality)

Elizabeth Spaulding; espauld@asq.org | 600 N Plankinton Avenue | Milwaukee, WI 53201 www.asq.org

National Adoption

BSR ASQ/ISO 16355-7-202x, Applications of statistical and related methods to new technology and product development process - Part 7: Guidelines for developing digitalized products and services -General principles and perspectives of the QFD method (identical national adoption of ISO 16355-7:2022)

Stakeholders: Users of this document include all organization functions necessary to assure customer satisfaction, including business planning, marketing, sales, research and development (R&D), engineering, information technology (IT), manufacturing, procurement, quality, production, service, packaging and logistics, support, testing, regulatory, and other phases in hardware, software, service, and system organizations.

Project Need: A 2022 revision of ISO 16355-7 requires an update of the identical ANS.

Interest Categories: Company, Government agency, Individual, Organization

Scope: This document gives guidelines for adapting the quality function deployment (QFD) process, its purpose, users, and tools as they are described in the ISO 16355 series that consider these specific characteristics for developing digitalized products and services. Table illustrates the scope of this document by stating examples of the types of products the standard focuses on.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK69286-202x, New Specification for Steel Skeleton Reinforced Polyethylene (PE) Composite Pipe and Fittings (new standard)

Stakeholders: Composite Industry.

Project Need: These products are well-established steel-reinforced polyethylene piping and fittings for the transport of crude oil, gas, and hazardous chemicals in the Peoples Republic of China. These products have been in production and in use for 25 years or longer in China. An ASTM International standard was requested by end users/customers for these piping products in the Middle East.

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

Scope: This specification covers requirements and test methods for materials, dimensions, workmanship, and markings for steel skeleton reinforced polyethylene composite pipe and fittings . It covers nominal sizes 75 mm through 630 mm (3 in. through 25 in.). These products are intended for the transport of crude oil, natural gas, water and hazardous liquids.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84047-202x, New Guide for Forensic Physical Fit Examination (new standard)

Stakeholders: Criminalistics Industry.

Project Need: No standard currently exists that address procedures for physical fit matches within the forensic community.

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

Scope: This guide covers the forensic physical fit examinations for the macroscopical and microscopical examinations of broken, torn, or separated materials for the purpose of determining whether or not they were once joined together to form a single object. This guide is intended as an overview of the process for the physical fit examination of these materials and to assist individuals in the evaluation and documentation of their physical comparisons.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84098-202x, New Practice for Pole Vault Use Areas (new standard)

Stakeholders: Pole Vault Industry

Project Need: To provide administrators, officials, architects, designers, coaches, athletes, meet officials, etc, guidance on providing a safe area while conducting pole vault activities.

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

Scope: To provide a best practice guide for pole vault use areas within a facility that conducts pole vaulting activities.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK84099-202x, New Practice for Pole Vault Boxes (new standard)

Stakeholders: Pole Vault Industry,

Project Need: To define dimensions and characteristics of a pole vault box. Users are athletes, coaches, officials, athletic facility designers, or whomever may participate or interested in the pole vault event.

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

Scope: To provide dimensions for a Pole Vault Box

ATIS (Alliance for Telecommunications Industry Solutions)

Drew Greco; dgreco@atis.org | 1200 G Street NW, Suite 500 | Washington, DC 20005 www.atis.org

Revision

BSR/ATIS 0600015.03-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI/ATIS 0600015.03-2016 (R2021))

Stakeholders: Communications Industry,

Project Need: There are technical difficulties in energy efficiency measurements for routers and switches with a high number of very high-speed ports.

Interest Categories: General Interest Producer User

Scope: This document specifies the definition of router and Ethernet switch products based on their position in a network, as well as a methodology to calculate the Telecommunication Energy Efficiency Ratio (TEER). The standard will also provide requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

ATIS (Alliance for Telecommunications Industry Solutions)

Drew Greco; dgreco@atis.org | 1200 G Street NW, Suite 500 | Washington, DC 20005 www.atis.org

Revision

BSR/ATIS 0600015.04-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2017)

Stakeholders: Communications Industry,

Project Need: There is need to update the acronym list to comply with IEEE naming convention.

Interest Categories: General Interest Producer User

Scope: This document defines how to measure the Telecommunication Energy Efficiency Ratio (TEER) of Direct Current (DC) Power Plant Rectifiers. The standard also provides requirements for how equipment vendors shall respond to a TEER request based on a specific application description by making use of relevant data from internal and independent test reports.

BHMA (Builders Hardware Manufacturers Association)

Michael Tierney; mtierney@kellencompany.com | 17 Faulkner Drive | Niantic, CT 06357 www.buildershardware.com

New Standard

BSR/BHMA A156.43-202x, Standard for Integrated Sliding Door Assemblies (new standard)

Stakeholders: Manufacturers, specifiers, building owners, architects, users, test labs

Project Need: For a standard that covers performance requirements of integrated sliding door assemblies and includes applicable tests and methods.

Interest Categories: User, Test Lab, Producers, Government, General Interest

Scope: This Standard establishes requirements for Integrated Sliding Door Opening Assemblies supplied complete and ready to install with all integral hardware. At a minimum, they shall include a door panel, hanging device and latching mechanism

BIFMA (Business and Institutional Furniture Manufacturers Association)

Anthony Serge; aserge@bifma.org | 678 Front Avenue NW, Suite 150 | Grand Rapids, MI 49504-5368 www.bifma.org

Revision

BSR/BIFMA X5.1-202x, General-Purpose Office Chairs (revision of ANSI/BIFMA X5.1-2017 (R2022))

Stakeholders: Furniture manufacturers, suppliers, specifiers, test labs and users

Project Need: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of general-purpose office chairs.

Interest Categories: Producers/Manufacturers, Engineering & Testing/Standards User, Supply Chain, General Interest

Scope: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of general-purpose office chairs. General-purpose office chairs are normally used in an office environment and may include, but are not limited to those seating styles typically referred to as: executive/management, task/secretarial, side/guest chairs, nesting folding chairs, tablet arm chairs and stools.

BIFMA (Business and Institutional Furniture Manufacturers Association)

Anthony Serge; aserge@bifma.org | 678 Front Avenue NW, Suite 150 | Grand Rapids, MI 49504-5368 www.bifma.org

Revision

BSR/BIFMA X5.11-202x, General-Purpose Large-Occupant Office Chairs (revision of ANSI/BIFMA X5.11-2015 (R2020))

Stakeholders: Furniture manufacturers, suppliers, specifiers, test labs and users

Project Need: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of large-occupant office chairs.

Interest Categories: Producers/Manufacturers, Engineering & Testing/Standards User, Supply Chain, General Interest

Scope: This standard is intended to provide manufacturers, specifiers, and users with a common basis for evaluating the safety, durability, and structural adequacy of office chairs for large occupants. Large occupant office chairs are normally used in an office environment and may include, but are not limited to those seating styles typically referred to as: executive/management, task/secretarial, side/guest chairs, and stacking chairs.

DirectTrust (DirectTrust.org, Inc.)

Stacy Clements; standards@directtrust.org | 1629 K Street NW, Suite 300 | Washington, DC 20006 www.DirectTrust.org

New Standard

BSR/DS2019-01-300-202x, Implementation Guide for Direct Edge Protocols (new standard)

Stakeholders: (a) Healthcare Sector, (b) Government Sector, (c) Healthcare Payer Sector, (d) Consumer Sector and General Interest, (e) Information Technology Sector, (g) Interoperability and Systems Integration Sector.

Project Need: The project will define baseline standards for communication between client edge systems and their HISPs.

Interest Categories: (a) Healthcare Sector, (b) Government Sector, (c) Healthcare Payer Sector, (d) Consumer Sector and General Interest, (e) Information Technology Sector, (g) Interoperability and Systems Integration Sector.

Scope: The ANSI Standard "Applicability Statement for Secure Health Transport" establishes the standard protocols, including message formats and processing requirements, for communication between Security/Trust Agents (STAs). STAs are commonly referred to by the name of the entities that operate STAs on behalf of others, Health Information Service Providers (HISPs). The communication protocol between HISPs is known as the Direct protocol and is based on SMTP. This document specifies the protocols used between HISP clients and the HISP, called "Direct Edge protocols".

HI (Hydraulic Institute)

Alexander Moser; amoser@pumps.org | 300 Interpace Parkway, Building A, 3rd Floor, #280 | Parsippany, NJ 07054 www.pumps.org

Revision

BSR/HI 14.3-202x, Rotodynamic Pumps for Design and Application (revision of ANSI/HI 14.3-2019)

Stakeholders: Pump manufacturers, suppliers, consultants, designers, and end-users.

Project Need: There is a need to update and add content to the standard.

Interest Categories: Interest categories are users, producers, and general.

Scope: The purpose of this standard is to provide guidance and recommendations for the general application and design of rotodynamic pumps. This standard provides accepted methods for the evaluation of the hydraulic performance and design of all related and supporting equipment. It does not include detailed hydraulic design methods. This standard recognizes and identifies application requirements, principal features, performance considerations, and the necessary precautions for proper use of rotodynamic pumps.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 516-202x/Cor 1.1-202x, Guide for Maintenance Methods on Energized Power Lines - Corrigendum 1.1 (new standard)

Stakeholders: Electric utility and contractor line workers.

Project Need: The reason for this project is to update the guide to correct typographical errors in two equations.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: Correcting typos in Equations 15 and 16 of IEEE 516-2021.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Revision

BSR/IEEE 524-202x, Guide for the Installation of Overhead Transmission Line Conductors (revision of ANSI/IEEE 524-2016)

Stakeholders: Transmission, construction, maintenance, grounding

Project Need: It is necessary to revise this standard in order to add technical information related to the installation of new and special conductors that has become available since the previous revision.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body:
<https://ieee.box.com/v/Interest-Categories>

Scope: This guide provides general recommendations for the selection of methods, equipment, and tools that have been found to be practical for the stringing of overhead transmission line conductors and overhead groundwires. The guide also includes a comprehensive list of definitions for equipment and tools used in stringing and for stringing terms commonly employed. This guide does not address special conductors such as those used for river and canyon crossing because they may be custom designed and often may require special considerations.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 1616.1-202x, Standard for Data Storage System for Automated Driving (EDR/DSSAD) (new standard)

Stakeholders: Consumers, regulators, insurance agencies, government agencies, automobile dealers and manufacturers, and service providers

Project Need: A standard is needed to describe the minimum collection, storage, and crash survivability of motor vehicle crash EDR and DSSAD although it does not include specifications for data retrieval tools and methods as that is subject to national and regional level requirements. A standard is needed for the accurate, timely, and precise data collection between EDRs and DSSAD's record, in a readily usable manner. The data are valuable for effective crash investigations and for analysis of safety equipment performance (e.g., advanced restraint systems). These data will help provide a better understanding of the circumstances in which crashes and injuries occur and will facilitate the development of safer vehicle designs. The need for this standard is to clarify that it is possible to retrieve the DSSAD data of the ADS together with the data of the EDR. The DSSAD data includes the last 30 seconds before the EDR trigger and does not include the actual date and time. This standard defines data definitions for data elements essential to assuring that both DSSAD and EDR data can both be retrieved from an autonomous vehicle. There is a need to differentiate between data relevant to the ADS operational preference and data relevant to ADS interactions with a human user.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This standard defines requirements and metrics for data storage in a Data Storage System for Automated Driving (DSSAD) as well as related functions and common technical requirements. DSSAD is a device or function that records and stores a data set ("timestamped flags") during the automated driving sequences of any vehicle equipped with Level 3, Level 4, or Level 5 Automated Driving Systems (ADS). The standard conforms to a compendium of data elements used in vehicles of categories M1 and N1 with regards to their Event Data Recorder (EDR) and DSSAD for partial and fully automated vehicles, including data elements relevant to ADS Levels 3, Level 4 and Level 5. This standard explains the means whereby an EDR and a DSSAD interact. This standard is without prejudice of national and regional laws related to privacy, data protection and personal data processing. This standard defines an On-Board Diagnostic (OBD) port lockout and Near Field Communication (NFC) protocol for protection against data manipulation of EDR and DSSAD data via the vehicle diagnostic link connector. This standard does not include specifications for data retrieval tools and methods as that is subject to national and regional level requirements.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 1943-202x, Standard for Post-Quantum Network Security (new standard)

Stakeholders: Telecom operators, network hardware manufacturers, network software editors, security software editors, laboratories, governmental organizations.

Project Need: Quantum technologies are challenging today's network security: data packets are already vulnerable to future fault-tolerant quantum computing (FTQC) attacks. The current public key standards (e.g., Rivest-Shamir-Adleman known as RSA, Diffie-Hellman, Elliptic Curve Digital Signature Algorithm known as ECDSA) are not strong enough to withstand attacks using future cryptographically relevant quantum computers (CRQCs). The encrypted data with long life cycle (cf. Mosca's theorem) are at risk since they can be intercepted (data traffic) today, stored, and decrypted later once CRQCs are available. Following international recommendations, all network security protocols (e.g., Transport Layer Security known as TLS, Internet Protocol Security known as IPsec) should be upgraded to quantum-safe cryptography as soon as possible.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This standard defines a method to implement optimized post-quantum version of existing network security protocols [1]. It is based on a multi-layer protocols approach and allows data packets and/or data encapsulated to be quantum resistant to future cryptographically relevant quantum computers (CRQCs). This standard includes hybrid modes for key exchange and authentication and specifies mechanisms for handling the larger public key sizes of post-quantum algorithms. This standard excludes any definition of a new post-quantum cryptography (PQC) algorithm.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 3163-202x, Recommended Practice for Sizing Lithium Batteries for Stationary Applications (new standard)

Stakeholders: Utility, telecom, designers, integrators, and manufacturers of battery and UPS systems.

Project Need: Lithium battery technology is rapidly being adopted in stationary applications but there is no single up-to-date guide to aid engineers in sizing lithium batteries specifically for critical applications. These applications include, but are not limited to, generating stations, substations, telecommunications, switchgear and control systems, compressor stations, emergency lighting, and uninterruptible power supplies. Consideration for Battery Management System (BMS) and power electronics is also critical to the satisfactory operation of emergency power systems.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This recommended practice covers the sizing of lithium batteries used for standby operation in stationary applications. This includes batteries that connect to loads via a dc-dc converter. Design of the dc system and sizing for renewable or grid energy storage systems are beyond the scope of this document.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 3167-202x, Standard for Secure Biometrics Device Interface (new standard)

Stakeholders: Biometric device manufacturers, phone and tablet manufacturers, application developers, certification labs, systems integrators, government agencies, authentication service providers.

Project Need: Countries implementing digital identity efforts are faced with challenges due to proprietary protocols, data formats, and interfaces. Availability of support and choice of devices are also limited. Integration efforts delay and derail projects. A standards-based protocol for a secure biometrics device interface is needed to increase choice, competition, and affordability.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This standard specifies a language-agnostic protocol and corresponding interfaces for biometric devices to support features such as discovery of devices, capabilities exposure of the device and capture of biometrics using the device for all instant capture modalities. This protocol also specifically addresses the trustworthiness of both the device and the captured data in addition to data security.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 3170-202x, Recommended Practice for Controllable Metal Oxide Arrester of 1 MV Ultra High Voltage (UHV) Alternating Current (AC) System (new standard)

Stakeholders: The recommended practice is applicable for manufacturers, designers, operators, and maintainers of systems and substations using CMOA.

Project Need: CMOA devices have high reliability in normal conditions, and can greatly reduce the switching overvoltage under transient conditions. By using CMOA devices, the closing resistance of a breaker can be cancelled to improve engineering economy. With more and more CMOA devices deployed in UHV AC systems, it is urgent to provide guidance for practitioners as the current standard for arrester devices is only applicable to the conventional metal oxide arrester (MOA).

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This recommended practice applies to a Controllable Metal Oxide Arrester (CMOA) device designed to limit the switching overvoltage for 1 MV UHV AC systems. The recommended practice specifies the use conditions and overall technical characteristics of a CMOA device. Technical recommendations for the arrester body, controllable switch (including mechanical switch, power electronic switch, gap, and fast switch) and controller (controllable device) are described. Recommendations for test and inspection, marking, transportation, storage, material delivery, and operation and maintenance are also provided.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 3301-202x, Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)

Technical Specification Artificial Intelligence Framework (AIF) Version 1.1 (new standard)

Stakeholders: Manufacturers, service providers, application developers, technology developers, and users in consumer electronics and information technology.

Project Need: An AI Framework standard is needed to specify an architecture, requirements, and a broad set of standard Application Program Interfaces (APIs) to enable technology developers to create connected components (workflows) that can be integrated by application developers without redesigning applications from scratch every time. Availability of the standard can enable market growth of AI-based applications.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: The MPAI AI Framework (MPAI-AIF) Technical Specification specifies architecture, interfaces, protocols and Application Programming Interfaces (API) of an AI Framework (AIF), especially designed for execution of AI-based implementations, but also suitable for mixed AI and traditional data processing workflows. MPAI-AIF possesses the following main features:

- Operating System-independent.
- Component-based modular architecture with standard interfaces.
- Interfaces encapsulate Components to abstract them from the development environment.
- Interface with the MPAI Store enables access to validated Components.
- Component can be implemented as: software only (from Micro-Controller Units to High-Performance Computing), hardware only, and hybrid hardware-software.
- Component system features are:
 - Execution in local and distributed Zero-Trust architectures.
 - Possibility to interact with other Implementations operating in proximity.
 - Direct support to Machine Learning functionalities.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

New Standard

BSR/IEEE 3302-202x, Adoption of Moving Picture, Audio and Data Coding by Artificial Intelligence (MPAI)

Technical Specification Context-based Audio Enhancement (CAE) Version 1.4 (new standard)

Stakeholders: Manufacturers, service providers, application developers, technology developers, and users in consumer electronics and information technology.

Project Need: A standard is needed to define interfaces to basic components used to improve the audio experience, so that technology developers can make components available to application developers to use. This standard is needed to promote the development of applications by making it easy for developers to access such basic components without redesigning applications from scratch every time, to support component market growth, and to improve end-user audio experiences in applications.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: MPAI-CAE V1.4 is a collection of four Use Cases specifying AI based technologies for audio-related applications including entertainment, communication, post-production, teleconferencing, and restoration. The goal is to improve the user audio experience in a variety of situations, such as in the home, in the car, on the go, or in the studio, using context information to act on the input audio content, and delivering the processed audio output via an appropriate protocol. The Use Cases identified in MPAI-CAE V1.4 are Emotion Enhanced Speech (EES), Audio Recording Preservation (ARP), Speech Restoration System (SSR), and Enhanced Audioconference Experience (EAE).

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Revision

BSR/IEEE C57.12.00-202x, Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers (revision of ANSI/IEEE C57.12.00-2015)

Stakeholders: The primary stakeholders for this project include the manufacturers and users of liquid-filled distribution and power transformers and their ancillary equipment. Additional stakeholders also include transformer industry service providers such as consultants, utility contractors, and insurance/casualty underwriters.

Project Need: Continuous revision. This standard is being revised to include technical changes to the document, which have been proposed by various technical working groups and sub-committees within the PES Transformers Committee.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This standard describes electrical and mechanical requirements of liquid-immersed distribution and power transformers, and autotransformers and regulating transformers, single-phase and polyphase, with voltages of 601 V or higher in the highest voltage winding. This standard applies to all liquid-immersed distribution, power, and regulating transformers that do not belong to the following types of apparatus: a) Instrument transformers; b) Step voltage and induction voltage regulators; c) Arc furnace transformers; d) Rectifier transformers; e) Specialty transformers; f) Grounding transformers; g) Mobile transformers; h) Mine transformers.

IEEE (Institute of Electrical and Electronics Engineers)

Lisa Weisser; l.weisser@ieee.org | 445 Hoes Lane | Piscataway, NJ 08854-4141 www.ieee.org

Revision

BSR/IEEE C57.12.90-202x, Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers (revision of ANSI/IEEE C57.12.90-2015)

Stakeholders: Transformer suppliers and users.

Project Need: This is one of the two main transformer standards, which are both under continuous revision. This standard describes methods for performing tests specified in IEEE Std C57.12.00 and other standards applicable to liquid-immersed distribution, power, and regulating transformers. It is intended for use as a basis for performance and proper testing of such transformers.

Interest Categories: A subset of the interest categories on this list is expected to comprise the consensus body: <https://ieee.box.com/v/Interest-Categories>

Scope: This standard describes methods for performing tests specified in IEEE Std C57.12.00(TM) and other standards applicable to liquid-immersed distribution, power, and regulating transformers. It is intended for use as a basis for performance and proper testing of such transformers. This standard applies to all liquid-immersed transformers, except instrument transformers, step-voltage and induction voltage regulators, arc furnace transformers, rectifier transformers, specialty transformers, grounding transformers, and mine transformers. Transformer requirements and specific test criteria are not a part of this standard, but they are contained in appropriate standards, such as IEEE Std C57.12.00, IEEE Std C57.12.10(TM), IEEE Std C57.12.20(TM), and IEEE Std C57.12.40(TM), or in user specifications.

IES (Illuminating Engineering Society)

Patricia McGillicuddy; pmcgillicuddy@ies.org | 120 Wall Street, Floor 17 | New York, NY 10005-4001 www.ies.org

New Standard

BSR/IES TM- (FF)-202x, Standard File Format for the Electronic Data Transfer of Light Output Maintenance Characteristics of Solid-State Light Sources (new standard)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, lighting software companies, manufacturers, representatives, photometric testing labs, lighting software users, regulatory bodies.

Project Need: Prepare a specification for an standard document format that is conceptually similar to ANSI/IES TM-33-18, Standard Format for the Electronic Transfer of Luminaire Optical Data.

Interest Categories: Testing Equipment User (TEU), Testing Equipment Manufacturer (TEM), USER-Specifier (US), Producer (P), General Interest-Academic, Research (GAR), General Interest- Government, Regulatory (GAR), Organizational (OM).

Scope: The purpose of this standard is to specify a standard document format for the storage and transfer flux and color maintenance data generated in accordance with ANSI/IES LM-80, Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources .

INMM (ASC N15) (Institute of Nuclear Materials Management)

Balasubrahmanyam Srinivasan; b.srinivasan@science.doe.gov | 9800 S. Cass Avenue | Argonne, IL 60439 www.inmm.org

Revision

BSR N15.51-202x, Methods of Nuclear Material Control - Measurement Control Program - Nuclear Materials Analytical Chemistry Laboratory (revision of ANSI N15.51-2017)

Stakeholders: Analytical chemistry laboratory managers, supervisors and staff scientists performing nuclear material measurements, statisticians, QA/QC program coordinators, and internal and external audit personnel.

Project Need: ANSI N15.51-2017 was approved five years ago. It was reviewed recently by the members of the writing team that drafted the 2017 standard; they recommend revising and updating the standard. New members will be added to the writing team since some of the members of the 2017 team have retired and are no longer available.

Interest Categories: Federal government, federal contractor, Nuclear Regulatory Commission licensees, and subject matter experts.

Scope: The laboratory measurement control program described in the N15.51 standard recommends the technical and the administrative aspects of measurement processes. The goal of the measurement control program is to document and quantify the performance of each analytical measurement system and to provide for detection and correction of adverse changes. The provisions of the standard provide the basis for evaluating existing practices and modifying those practices, if necessary.

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

Doug Weinbaum; dweinbaum@resna.org | 2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

National Adoption

BSR/RESNA WC-4-202x, RESNA Standard for or Wheelchairs, Volume 4: Wheelchairs and Transportation (national adoption of ISO 10865-1 with modifications and revision of ANSI/RESNA WC-4-2017)

Stakeholders: Wheelchair tiedown and occupant restraint manufacturers, wheelchair seating manufacturers, auto-safety researcher, rehabilitation researcher, clinician/prescriber, policy experts/payers/educators, consumers/advocates/caregivers, and transit providers

Project Need: Safety standards are needed for wheelchairs, specialized wheelchair seating systems, wheelchair tiedowns, and occupant restraint systems, as well as, wheelchair spaces on large accessible transit vehicles.

Interest Categories: Industry and commerce, Government, Consumers, Academic and research bodies, Standards application

Scope: This standard focuses on products that help people who use wheelchairs travel more safely when seated in a wheelchair. Volume 4 has 4 sections: Section 10 covers rear-facing retention systems for use in large accessible transit vehicles, Section 18 addresses wheelchair tiedowns and occupant restraint systems (WTORS), Section 19 covers wheelchairs intended for use as seats in motor vehicles, and Section 20 focuses on wheelchair seating that can be used as part of an occupied wheelchair during travel.. The standard covers terminology, design requirements, performance requirements, test methods, user instructions, and product labeling. This standard is useful for manufacturers, consumers, clinicians, transportation providers, and policy makers.

VITA (VMEbus International Trade Association (VITA))

Jing Kwok; jing.kwok@vita.com | 929 W. Portobello Avenue | Mesa, AZ 85210 www.vita.com

New Standard

BSR/VITA 92.0-202x, High Performance Cable - Ruggedized 10 Gbaud Bulkhead High Speed, D-Sub, Rectangular Connector for Copper Cables (new standard)

Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: There is a need for a 10-Gbaud class rugged high-density bulkhead interconnect.

Interest Categories: Producer, User, General Interest

Scope: This standard defines a rugged standardized 10 Gbaud interconnect system with a high pin count and high-density, light weight, rectangular connector (meets MIL-DTL-24308 physical envelope) for I/O. It can support multiple high bandwidth protocols and power while optimizing SWaP benefits in smaller systems with limited panel space availability.

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: December 18, 2022

NSF (NSF International)

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

Revision

BSR/NSF 25-202x (i14r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)

This standard contains requirements for food and beverage vending machines that vend packaged food and beverages and those that vend food and beverages in bulk.

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

Send comments (copy psa@ansi.org) to: Allan Rose; arose@nsf.org

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | caroline.treuthardt@ul.org, <https://ulse.org/>

Revision

BSR/UL 2900-2-1-202x, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems (revision of ANSI/UL 2900-2-1-2020)

This proposal for UL 2900-2-1 covers: 1. Addition of Inclusive Language

[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: December 18, 2022

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Doreen.Stocker@ul.org, <https://ulse.org/>

Revision

BSR/UL 62841-4-1000-202x, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-1000: Particular Requirements for Utility Machines (revision of ANSI/UL 62841-4-1000-2021)

1. Proposed maximum payload capacity clarification 2. Proposed stability test clarification

[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: January 2, 2023

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Revision

BSR/AHRI Standard 550/590-202x (I-P), Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle (revision of ANSI/AHRI Standard 550/590 (I-P)-2012 with Addendum 1)

This standard applies to factory-made vapor compression refrigeration Water-chilling and Water-heating Packages including one or more compressors. These Water-chilling and Water-heating Packages include: Water-cooled, Air-cooled, or Evaporatively-cooled Condensers; Water-cooled heat recovery condensers; Air-to-water heat pumps; and Water-to-water heat pumps with a capacity greater or equal to 135,000 Btu/h. Water-to-water heat pumps with a capacity less than 135,000 Btu/h are covered by the latest edition of ASHRAE/ANSI/AHRI/ISO Standard 13256.

Single copy price: Free

[Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview](https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview)

Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

Revision

BSR/AHRI Standard 551/591-202x (SI), Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle (revision of ANSI/AHRI Standard 551/591 (SI) with Addendum 1 -2012)

This standard applies to factory-made vapor compression refrigeration Water-chilling and Water-heating Packages including one or more compressors. These Water-chilling and Water-heating Packages include: Water-cooled, Air-cooled, or Evaporatively-cooled Condensers; Water-cooled heat recovery condensers; Air-to-water heat pumps; and Water-to-water heat pumps with a capacity greater or equal to 135,000 Btu/h. Water-to-water heat pumps with a capacity less than 135,000 Btu/h are covered by the latest edition of ASHRAE/ANSI/AHRI/ISO Standard 13256.

Single copy price: Free

[Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview](https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview)

Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

Comment Deadline: January 2, 2023

ANS (American Nuclear Society)

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

Reaffirmation

BSR/ANS 15.21-2012 (R202x), Format and Content for Safety Analysis Reports for Research Reactors (reaffirmation of ANSI/ANS 15.21-2012 (R2018))

This standard identifies specific information and analyses for inclusion in the safety analysis report for research reactors and establishes a uniform format for the report. This standard provides the criteria for the format and content for safety analysis reports for research reactors.

Single copy price: \$25.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (copy psa@ansi.org) to: Patricia Schroeder; pschroeder@ans.org

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | walsh@asabe.org, <https://www.asabe.org/>

National Adoption

BSR/ASABE AD22000-202x MONYEAR, Food safety management systems - Requirements for any organization in the food chain (national adoption with modifications of ISO 22000:2018)

Food safety is related to the presence of food safety hazards at the time of consumption (intake by the consumer). Food safety hazards can occur at any stage of the food chain. Therefore, adequate control throughout the food chain is essential. Food safety is ensured through the combined efforts of all the parties in the food chain. Modifications proposed will clarify information for use and application in North America

Single copy price: \$75.00

Obtain an electronic copy from: walsh@asabe.org

Order from: Jean Walsh; walsh@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | brace@asabe.org, <https://www.asabe.org/>

Reaffirmation

BSR/ASABE S516-2014 (R202x), Terminology for Forest Operations & Equipment (reaffirmation of ANSI/ASABE S516-2014 (R2018))

This Standard specifies terminology for operations and equipment commonly used to establish, tend, and harvest forest stands. The intent of this Standard is to establish uniform terminology to describe forest operations and equipment in technical papers, specifications, standards, and general use.

Single copy price: \$72.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace; brace@asabe.org

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

Comment Deadline: January 2, 2023

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | brace@asabe.org, <https://www.asabe.org/>

Reaffirmation

BSR/ASAE EP364.4-FEB2013 (R202x), Installation and Maintenance of Farm Standby Electric Power (reaffirmation of ANSI/ASAE EP364.4-FEB2013 (R2018))

The purpose of this Engineering Practice is to provide information to assist installers, maintenance personnel, operators and others in the proper installation, operation, and maintenance of farm standby electrical systems. The scope of this Engineering Practice covers both engine-driven and tractor-driven generators for farm standby electrical power service as defined in EGSA-101G, EGSA-101S, and EGSA-101P. The terms generator and alternator may be used interchangeably in this Engineering Practice.

Single copy price: \$72.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace; brace@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | brace@asabe.org, <https://www.asabe.org/>

Reaffirmation

BSR/ASAE S423.1-MAR2014 (R202x), Thermal Performance Testing of Open-Loop Solar Ambient Air Heaters with Defined Inlet and Outlet Conditions (reaffirmation of ANSI/ASAE S423.1-MAR2014 (R2018))

The purpose of this Standard is to provide a method for testing the thermal efficiency of open-looped solar air heaters which are used exclusively for heating ambient air. The test data should provide a basis for computing technical performance and for comparing efficiency of collectors of different design and/or construction.

Examples of use of solar ambient air heaters are preheating of ventilation air, heating make-up air for all types of environmental control systems, and heating of air to dry agricultural products without recirculation. This test procedure simplifies the testing equipment needs, procedures and computations as compared to the currently recognized methods, for example, ANSI/ASHRAE Standard 93-2010, Method of Testing to Determine the Thermal Performance of Solar Collectors. The scope of this Standard is restricted to collectors which have a fixed orientation and slope during the test and are used exclusively for heating ambient air with defined inlet and outlet conditions. This Standard provides the method for using a 6 h continuous test consisting of twenty-four 15 min test periods.

Single copy price: \$72.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace; brace@asabe.org

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

Comment Deadline: January 2, 2023

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | brace@asabe.org, <https://www.asabe.org/>

Reaffirmation

BSR/ASAE S397.4 NOV2013 (R202x), Electrical Service and Equipment for Irrigation (reaffirmation of ANSI/ASAE S397.4 NOV2013 (R2018))

The purpose of this Standard is to provide a common document for use by all those involved in electrical irrigation systems; such as electricians, power suppliers, well drillers, irrigation dealers and manufacturers, extension specialists and irrigators. This Standard applies to three-phase, 240 V, or 480 V service, the most commonly used irrigation service voltages for irrigation pump motors, irrigation machines, and auxiliary equipment. This Standard is in accordance with ANSI/NFPA 70, and the Canadian Electrical Code, Part I, where applicable (see C22.1). All materials shall conform to Article 100 of ANSI/NFPA 70, and in Canada shall conform to Section 2-024 of Canadian Electrical Code.

Single copy price: \$72.00

Obtain an electronic copy from: brace@asabe.org

Order from: Walter Brace; brace@asabe.org

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

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

180 Technology Parkway, Peachtree Corners, GA 30092 | cking@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum bx to BSR/ASHRAE Standard 135-202x, BACnet - A Data Communication Protocol for Building Automation and Control Networks (addenda to ANSI/ASHRAE Standard 135-2020)

This addendum describes a mechanism by which a BACnet router can perform I-Am request proxying for any directly connected BACnet network.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

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

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 A10.48-202X, Criteria for Safety Practices with the Construction, Demolition, Modification and Maintenance of Communication Structures (revision and redesignation of ANSI/ASSE A10.48-2016)

This standard establishes minimum criteria for safe work practices and training for personnel performing work on communication structures including antenna and antenna supporting structures, broad-cast and other similar structures supporting communication related equipment.

Single copy price: \$140.00

Obtain an electronic copy from: Tim Fisher at TFisher@ASSP.Org

Order from: Tim Fisher at TFisher@ASSP.Org

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

Comment Deadline: January 2, 2023

IEST (Institute of Environmental Sciences and Technology)

1827 Walden Office Square, Suite 400, Schaumburg, IL 60173 | jsklena@iest.org, www.iest.org

National Adoption

BSR/IEST/ISO 14644-4-202x, Part 4: Design, construction, and start-up (identical national adoption of ISO 14644-4)

This document provides guidance for the design, construction and start-up of cleanrooms, both new and those undergoing modification or refurbishment. In this edition, a more structured approach is provided with separate normative sections on requirements, design, construction and start-up, supported by four corresponding informative annexes. For this edition, key recommendations and considerations include: a) A structured approach with a logical sequential flow through the design, construction and startup stages. b) Inclusion of other cleanliness attributes. c) Importance of a contamination risk assessment. d) A clear statement of requirements, namely everything needed for input into the design, including the purpose of the cleanroom and the acceptance criteria for performance parameters. e) Ventilation effectiveness. f) Using air supply rate for calculations of contaminant dilution and removal. g) Energy efficiency and life cycle considerations. h) A clean build protocol. Single copy price: \$52.00 (IEST Members)/\$65.00 (Non-Members)

Obtain an electronic copy from: <https://www.iest.org/Bookstore>

Order from: <https://www.iest.org/Bookstore>

Send comments (copy psa@ansi.org) to: Jennifer Sklena, jsklena@iest.org

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C78.62612-2018 (R202x), Standard for Electric Lamps - Self-ballasted LED Lamps Performance Specifications (reaffirmation of ANSI C78.62612-2018)

This Standard specifies the performance requirements, together with the test methods and conditions, required to show compliance of LED lamps with integral means for stable operation, intended for domestic and similar general lighting purposes.

Single copy price: \$50.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | Michael.Erbesfeld@nema.org, www.nema.org

Reaffirmation

BSR C78.62717-2018 (R202x), Standard for Electric Lamps - LED modules for general lighting - Performance Requirements (reaffirmation of ANSI C78.62717-2018)

This Standard specifies the performance requirements for LED modules, together with the test methods and conditions, required to show compliance with this standard.

Single copy price: \$50.00

Obtain an electronic copy from: michael.erbesfeld@nema.org

Order from: Michael Erbesfeld; Michael.Erbesfeld@nema.org

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

Comment Deadline: January 2, 2023

PHTA (Pool and Hot Tub Alliance)

2111 Eisenhower Avenue, Alexandria, VA 22314 | bpavlik@phta.org, www.PHTA.org

Reaffirmation

BSR/APSP/ICC 3-2013 (R202x), Standard for Permanently Installed Residential Spas and Swim Spas (reaffirmation of ANSI/APSP/ICC 3-2013)

This standard is intended to cover permanently installed residential spas and swim spas and not public spas, swim spas or factory-built residential portable spas, swim spas that are used for bathing, and are operated by an owner. In this type of spa, the heater and water-circulating equipment are not an integral part of the product. The spa is intended as a permanent fixture, and is not intended to be moved. This standard is meant to cover certain aspects of the design, equipment, operation, installation, new construction, remodeling, and renovation of spas and swim spas.

Single copy price: Free

Obtain an electronic copy from: standards@phta.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 242-1-202x, Next Generation Audio Coding Constraints for Cable Systems: Part 1 - Introduction and Common Constraints (revision of ANSI/SCTE 242-1-2017)

This document specifies the common framework for Next Generation Audio (NGA) systems for cable television. It is intended to be used in conjunction with the specific audio technologies described in subsequent parts of this Standard [SCTE 242-2], [SCTE 242-3], and [SCTE 242-4].

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 242-2-202x, Next Generation Audio Coding Constraints for Cable Systems: Part 2 - AC-4 Audio Coding Constraints (revision of ANSI/SCTE 242-2-2017)

This document is part two of a three-part standard that specifies the coding constraints of Next Generation Audio system for cable television. In conjunction with [SCTE 242-1], this document defines the coding constraints on AC-4 for cable television.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

Comment Deadline: January 2, 2023

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 242-3-202x, Next Generation Audio Coding Constraints for Cable Systems: Part 3 - MPEG-H Audio Coding Constraints (revision of ANSI/SCTE 242-3-2017)

This document is part of a suite documenting coding constraints of Next Generation Audio (NGA) systems for cable television. In conjunction with Part 1 of this standard [SCTE 242-1], it defines the coding constraints on MPEG-H Audio system for cable television.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 242-4-202x, Next Generation Audio Coding Constraints for Cable Systems: Part 4 - DTS-UHD Audio Coding Constraints (revision of ANSI/SCTE 242-4-2018)

This document is part four of a multi-part standard that specifies the coding constraints of Next Generation Audio system for cable television. In conjunction with [SCTE 242-1], this document defines the coding constraints on DTS-UHD for cable television. The carriage of the streams described in this specification is defined in [SCTE 243-4] in conjunction with [SCTE 243-1].

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 243-1-202x, Next Generation Audio Carriage Constraints for Cable Systems: Part 1 - Common Transport Signaling (revision of ANSI/SCTE 243-1-2017)

This document specifies the common framework for carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. It is intended to be used in conjunction with the specific audio technologies described in subsequent Parts of this standard.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

Comment Deadline: January 2, 2023

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 243-2-202x, Next Generation Audio Carriage Constraints for Cable Systems: Part 2 - AC-4 Audio Carriage Constraints (revision of ANSI/SCTE 243-2-2017)

This document is part of a three-part standard that specifies carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. In conjunction with [SCTE 243-1] this document defines the carriage of AC-4 audio in MPEG-2 transport systems and MPEG DASH.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 243-3-202x, Next Generation Audio Carriage Constraints for Cable Systems: Part 3 - MPEG-H Audio Carriage Constraints (revision of ANSI/SCTE 243-3-2017)

This document is part of a three-part standard that specifies carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 transport systems and in MPEG DASH. In conjunction with [SCTE 243-1], this document defines the carriage of MPEG-H audio in MPEG-2 transport systems and MPEG DASH.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Revision

BSR/SCTE 243-4-202x, Next Generation Audio Carriage for Cable Systems: Part 4 - DTS-UHD Audio Carriage Constraints (revision of ANSI/SCTE 243-4-2018)

This document is part four of a multi-part standard that specifies carriage constraints of Next Generation Audio (NGA) codecs in MPEG-2 Transport Stream and in MPEG ISO-BMFF media segments. In conjunction with [SCTE 243-1] this document defines the carriage of DTS-UHD audio in MPEG-2 Transport Stream and MPEG DASH using ISO BMFF media segments.

Single copy price: \$50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: admin@standards.scte.org

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

Comment Deadline: January 2, 2023

TIA (Telecommunications Industry Association)

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

Revision

BSR/TIA 1183-B-202x, Measurement Methods and Test Fixtures for Balun-Less Measurements of Balanced Components and Systems (revision and redesignation of ANSI/TIA 1183-A-2017)

This project will create ANSI/TIA-1183-B, revision of ANSI/TIA-1183-A. Known errors will be corrected, nomenclature will be updated, and any general needed updates will be made.

Single copy price: \$67.00

Obtain an electronic copy from: standards-process@tiaonline.org

Order from: TIA (standards-process@tiaonline.org)

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

Comment Deadline: January 17, 2023

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

BSR/ASME B18.5-2012 (R202x), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012 (R2017))

"This Standard covers the complete general and dimensional data for the various types of inch series bolts generally classified as round head bolts."

Single copy price: \$42.00

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

Send comments (copy psa@ansi.org) to: Robert Ryan; ryanr@asme.org

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

BSR/ASME B18.21.3-2008 (R202x), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21.3-2008 (R2017))

"This Standard covers the dimensional and physical properties and methods of testing for double coil helical spring lock washers for wood structures."

Single copy price: \$36.00

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

Send comments (copy psa@ansi.org) to: Robert Ryan; ryanr@asme.org

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

BSR/ASME B89.1.14-2018 (R202x), Calipers (reaffirmation of ANSI/ASME B89.1.14-2018)

This standard is intended to provide the essential requirements for the specification, verification, and calibration of calipers, including vernier, dial, electronic digital, and specialty calipers

Single copy price: \$42.00

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

Send comments (copy psa@ansi.org) to: Justin Cassamassino; cassasmassinoj@asme.org

Comment Deadline: January 17, 2023

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B17.1-1967 (S202x), Keys and Keyseats (stabilized maintenance of ANSI/ASME B17.1-1967 (R2017))

"This standard covers the size, type and tolerances of parallel and taper keys and keyseats, and their relationship to shaft diameters and bore diameters."

Single copy price: \$39.00

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

Send comments (copy psa@ansi.org) to: Robert Ryan; ryanr@asme.org

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B17.2-1967 (S202x), Woodruff Keys and Keyseats (stabilized maintenance of ANSI/ASME B17.2-1967 (R2017))

"This standard covers nomenclature, definitions, identification number, dimensions and tolerances of Woodruff Keys and Keyseats."

Single copy price: \$39.00

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

Send comments (copy psa@ansi.org) to: Robert Ryan; ryanr@asme.org

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

Addenda

INCITS 496-2012/AM 2-202x, Information Technology - Fibre Channel - Security Protocols - 2/Amendment 2 (FC-SP-2/AM 2) (addenda to INCITS 496-2012 [S2022], INCITS 496-2012/AM1-2015 [R2020])

This project recommends the development of a second amendment to INCITS 496-2012, Fibre Channel – Security Protocols - 2 (FC-SP-2). Included within this scope are a) Look at inclusion of TLS 1.3 and removal of deprecated TLS versions; b) enhancements to the protocol; c) corrections and clarifications, and d) any other item as deemed necessary during development.

Single copy price: Free

Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=146760&wg_abbrev=eb

Order from: https://standards.incits.org/apps/group_public/document.php?document_id=146760&wg_abbrev=eb

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

Comment Deadline: January 17, 2023

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

New Standard

INCITS 560-202x, Information technology - Fibre Channel - Physical Interfaces - 8 (FC-PI-8) (new standard)

This project involves a compatible evolution of the present Fibre Channel physical layer. Such evolutionary improvements may include, increase in the data rate of optical and electrical links in: Backplanes, Horizontal and vertical wiring, Inter- and intra-building connections, and Server room channels. It is desirable to enable the reuse of legacy optical and electrical cable plants.

Single copy price: Free

Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=146946&wg_abbrev=eb

Order from: https://standards.incits.org/apps/group_public/document.php?document_id=146946&wg_abbrev=eb

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

Technical Reports Registered with ANSI

Technical Reports Registered with ANSI are not consensus documents. Rather, all material contained in Technical Reports Registered with ANSI is informational in nature. Technical reports may include, for example, reports of technical research, tutorials, factual data obtained from a survey carried out among standards developers and/or national bodies, or information on the "state of the art" in relation to standards of national or international bodies on a particular subject. Immediately following the end of a 30-day announcement period in Standards Action, the Technical Report will be registered by ANSI. Please submit any comments regarding this registration to the organization indicated, with a copy to (psa@ansi.org).

ASQ (ASC Z1) (American Society for Quality)

600 N Plankinton Avenue, Milwaukee, WI 53201 | espaulding@asq.org, www.asq.org

Revision

ASQ Z1 TR1:2023, Guidelines for performing a self-assessment of a quality management system (revision of technical report ASQ Z1 TR1:2012 (R2022))

The self-assessment approach described in this report provides a simple and easy-to-use approach to determine the maturity of a QMS and to identify the main areas for management to consider for improvement. It is not a substitute for internal audit of the QMS and it is not intended to conflict with or compete with the use of existing quality award or excellence models. It is a tool that can enhance the identification of improvement opportunities and the setting of priorities for the allocation of the limited human and capital resources of an organization.

Single copy price: \$60.00

Order from: standards@asq.org

Send comments (copy psa@ansi.org) to: Elizabeth Spaulding; espaulding@asq.org

Project Withdrawn

In accordance with clause 4.2.1.3.3 Discontinuance of a standards project of the ANSI Essential Requirements, an accredited standards developer may abandon the processing of a proposed new or revised American National Standard or portion thereof if it has followed its accredited procedures. The following projects have been withdrawn accordingly:

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI 420 (I-P)-202x, Performance Rating of Forced-Circulation Free-Delivery Unit Coolers for Refrigeration (new standard)

Inquiries may be directed to Karl Best; kbest@ahrinet.org

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI 421 (SI)-202x, Performance Rating of Forced-Circulation Free-Delivery Unit Coolers for Refrigeration (new standard)

Inquiries may be directed to Karl Best; kbest@ahrinet.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.

ADA (American Dental Association)

211 East Chicago Avenue, Chicago, IL 60611-2678 | bralowerp@ada.org, www.ada.org

Revision

ANSI/ADA Standard No. 2000.6-2022, SNODENT (Systemized Nomenclature of Dentistry) (revision and redesignation of ANSI/ADA Standard No. 2000.5-2021) Final Action Date: 11/10/2022

APCO (Association of Public-Safety Communications Officials-International)

351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | apcostandards@apcointl.org, www.apcolntl.org

New Standard

ANSI/APCO 3.111.1-2022, Detecting Early Warning Symptoms of Stress in Public Safety Telecommunicators (new standard) Final Action Date: 11/8/2022

Revision

ANSI/APCO 1.103.3-2022, Wireless 9-1-1 Deployment and Management of Effective Practices Guide (revision and redesignation of ANSI/APCO 1.103.2-2013) Final Action Date: 11/8/2022

APTech (ASC CGATS) (Association for Print Technologies)

450 10th Circle N, Nashville, TN 37203 | dorf@aptech.org, www.printtechnologies.org

Reaffirmation

ANSI CGATS/ISO 15930-1-2004/ISO 15930-1-2001 (R2022), Graphic technology - Prepress digital data exchange - Use of PDF - Part 1: Complete exchange using CMYK data (PDF/X-1 and PDF/X-1a) (reaffirm a national adoption ANSI CGATS/ISO 15930-1-2004/ISO 15930-1-2001 (R2017)) Final Action Date: 11/11/2022

Withdrawal

ANSI/CGATS/ISO 15790-2005 (R2013), Graphic technology and photography - Certified reference materials for reflection and transmission metrology - Documentation and procedures for use (withdrawal of ANSI CGATS/ISO 15790-2005 (R2013)) Final Action Date: 11/11/2022

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

180 Technology Parkway, Peachtree Corners, GA 30092 | mweber@ashrae.org, www.ashrae.org

Addenda

ANSI/ASHRAE Addendum 62.1x-2022, Ventilation for Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2016) Final Action Date: 11/8/2022

Addenda

ANSI/ASHRAE Addendum 62.2i-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2019) Final Action Date: 11/8/2022

Addenda

ANSI/ASHRAE Addendum 62.2m-2022, Ventilation and Acceptable Indoor Air Quality in Residential Buildings (addenda to ANSI/ASHRAE Standard 62.2-2019) Final Action Date: 11/8/2022

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

180 Technology Parkway, Peachtree Corners, GA 30092 | tloxley@ashrae.org, www.ashrae.org

Addenda

ANSI/ASHRAE Addendum h to ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2019) Final Action Date: 11/8/2022

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum k to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 11/8/2022

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum m to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 11/8/2022

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum y to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020) Final Action Date: 11/8/2022

New Standard

ANSI/ASHRAE Standard 230P-2022, Commissioning Process for Existing Systems and Assemblies (new standard) Final Action Date: 11/8/2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

New Standard

ANSI/ASME PTC 17-1973 (R2022), Reciprocating Internal-Combustion Engines (new standard) Final Action Date: 11/10/2022

CSA (CSA America Standards Inc.)

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575 | ansi.contact@csagroup.org, www.csagroup.org

National Adoption

ANSI/CSA B22734-2022, Hydrogen generators using water electrolysis - Industrial, commercial, and residential applications (national adoption with modifications of ISO 22734:2019) Final Action Date: 11/11/2022

Revision

ANSI Z21.5.1-2022, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers (same as CSA 1.1) (revision of ANSI Z21.5.1-2017) Final Action Date: 11/8/2022

HL7 (Health Level Seven)

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

Reaffirmation

ANSI/HL7 V3 GELLO IG CDS MDL, R1-2017 (R2022), HL7 Version V3 GELLO Implementation Guide: Clinical Decision Support, Model Definition Language for GELLO, Release 1 (reaffirmation of ANSI/HL7 V3 GELLO IG CDS MDL, R1-2017) Final Action Date: 11/10/2022

HL7 (Health Level Seven)

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

Reaffirmation

ANSI/HL7 V3 TR ebXMLebM2, R1-2012 (R2022), HL7 Version 3 Standard: Transport Specification - ebXML Using eb MS2.0, Release 1 (reaffirmation of ANSI/HL7 V3 TR ebXMLebM2, R1-2012 (R2017)) Final Action Date: 11/10/2022

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

INCITS/ISO/IEC 7816-8:2021 [2022], Identification cards - Integrated circuit cards - Part 8: Commands and mechanisms for security operations (identical national adoption of ISO/IEC 7816-8:2021 and revision of INCITS/ISO/IEC 7816-8:2019 [2020]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 7816-11:2022 [2022], Identification cards - Integrated circuit cards - Part 11: Personal verification through biometric methods (identical national adoption of ISO/IEC 7816-11:2022 and revision of INCITS/ISO/IEC 7816-11:2017 [2019]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 11160-2:2021 [2022], Office equipment - Minimum information to be included in specification sheets - Part 2: Class 3 and Class 4 printers (identical national adoption of ISO/IEC 11160-2:2021 and revision of INCITS/ISO/IEC 11160-2:2013 [R2019]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 18013-3:2017/AM1:2022 [2022], Information technology - Personal identification - ISO-compliant driving licence - Part 3: Access control, authentication and integrity validation - Amendment 1: PACE protocol (identical national adoption of ISO/IEC 18013-3:2017/AM1:2022) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 18328-2:2021 [2022], Identification cards - ICC-managed devices - Part 2: Physical characteristics and test methods for cards with devices (identical national adoption of ISO/IEC 18328-2:2021) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 18745-2:2021 [2022], Test methods for machine readable travel documents (MRTD) and associated devices - Part 2: Test methods for the contactless interface (identical national adoption of ISO/IEC 18745-2:2021) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 29142-1:2021 [2022], Information technology - Print cartridge characterization - Part 1: General: terms, symbols, notations and cartridge characterization framework (identical national adoption of ISO/IEC 29142-1:2021 and revision of INCITS/ISO/IEC 29142-1:2013 [R2018]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 22505:2021 [2022], Information technology - Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components (identical national adoption of ISO/IEC 22505:2021) Final Action Date: 11/11/2022

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

National Adoption

INCITS/ISO/IEC 24711:2021 [2022], Information technology - Office equipment - Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components (identical national adoption of ISO/IEC 24711:2021 and revision of INCITS/ISO/IEC 24711:2015 [2018]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 24734:2021 [2022], Information technology - Office equipment - Method for measuring digital printing productivity (identical national adoption of ISO/IEC 24734:2021 and revision of INCITS/ISO/IEC 24734:2014 [R2019]) Final Action Date: 11/11/2022

National Adoption

INCITS/ISO/IEC 24735:2021 [2022], Information technology - Office equipment - Method for measuring digital copying productivity (identical national adoption of ISO/IEC 24735:2021 and revision of INCITS/ISO/IEC 24735:2012 [R2018]) Final Action Date: 11/11/2022

NSF (NSF International)

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

Revision

ANSI/NSF 42-2022 (i123r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 44-2022 (i50r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 46-2022 (i40r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021) Final Action Date: 11/1/2022

Revision

ANSI/NSF 53-2022 (i147r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 53-2022 (i148r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Final Action Date: 11/9/2022

Revision

ANSI/NSF 55-2022 (i64r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 58-2022 (i102r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 62-2022 (i45r1), Drinking Water Distillation Systems (revision of ANSI/NSF 62-2021) Final Action Date: 11/7/2022

NSF (NSF International)

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

Revision

ANSI/NSF 244-2022 (i21r1), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 358-1-2022 (i7r2), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2021) Final Action Date: 11/4/2022

Revision

ANSI/NSF 401-2022 (i29r1), Drinking Water Treatment Units - Emerging Compounds /Incidental Contaminants (revision of ANSI/NSF 401-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 455-2-2022 (i34r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021) Final Action Date: 11/7/2022

Revision

ANSI/NSF 455-2-2022 (i43r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021) Final Action Date: 11/9/2022

Revision

ANSI/NSF 455-2-2022 (i46r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021) Final Action Date: 11/8/2022

Revision

ANSI/NSF 455-2-2022 (i47r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2021) Final Action Date: 11/10/2022

Revision

ANSI/NSF 455-3-2022 (i31r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021) Final Action Date: 11/9/2022

Revision

ANSI/NSF 455-4-2022 (i41r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021) Final Action Date: 11/9/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Peachtree Corners, GA 30092 | standards@tappi.org, www.tappi.org

New Standard

ANSI/TAPPI T 809 om-2022, Flat crush of corrugating medium (CMT test) (new standard) Final Action Date: 11/8/2022

Revision

ANSI/TAPPI T 403 om-2022, Bursting strength of paper (revision of ANSI/TAPPI T 403 om-2015) Final Action Date: 11/8/2022

TIA (Telecommunications Industry Association)

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

National Adoption

ANSI/TIA 455-111-B-2022, FOTP-111: IEC 60793-1-34 Optical Fibres Part 1-34: Measurement Methods and Test Procedures Fibre Curl (identical national adoption of IEC 60793-1-34 Optical Fibres and revision of ANSI/TIA 455-111-A-2003) Final Action Date: 11/11/2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | Susan.P.Malohn@ul.org, <https://ulse.org/>

National Adoption

ANSI/UL 61730-1-2022, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption of IEC 61730-1 with modifications and revision of ANSI/UL 61730-1-2020) Final Action Date: 10/28/2022

Reaffirmation

ANSI/UL 379-2013 (R2022), Standards for Power Units for Fountain, Swimming Pool, and Spa Luminaires (reaffirmation of ANSI/UL 379-2013 (R2017)) Final Action Date: 11/4/2022

Reaffirmation

ANSI/UL 698A-2018 (R2022), Standard for Safety for Industrial Control Panels Relating to Hazardous (Classified) Locations (reaffirmation of ANSI/UL 698A-2018) Final Action Date: 11/4/2022

Revision

ANSI/UL 21-2022, Standard for Safety for LP-Gas Hose (revision of ANSI/UL 21-2017) Final Action Date: 11/8/2022

Revision

ANSI/UL 569-2022, Standard for Safety for Pigtails and Flexible Hose Connectors for LP-Gas (revision of ANSI/UL 569-2017) Final Action Date: 11/8/2022

Revision

ANSI/UL 758-2022a, Standard for Appliance Wiring Material (revision of ANSI/UL 758-2022) Final Action Date: 11/11/2022

Revision

ANSI/UL 859-2022, Standard for Safety for Household Electric Personal Grooming Appliances (September 9, 2022) (revision of ANSI/UL 859-2021) Final Action Date: 11/11/2022

Revision

ANSI/UL 61730-2-2022, Standard for Safety for Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing (revision of ANSI/UL 61730-2-2020) Final Action Date: 10/28/2022

Revision

ANSI/UL 62841-2-3-2022, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-3: Particular Requirements for Hand-Held Grinders, Disc-Type Polishers and Disc-Type Sanders (revision of ANSI/UL 62841-2-3-2021) Final Action Date: 11/11/2022

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

Revision

ANSI/VITA 67.3-2022, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane Standard (revision of ANSI/VITA 67.3-2020) Final Action Date: 11/8/2022

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.

ANSI Accredited Standards Developer

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

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

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

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

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

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

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

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

More information is available at www.scte.org or by e-mail from standards@scte.org.

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 550/590-202x (I-P), Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle (revision of ANSI/AHRI Standard 550/590 (I-P)-2012 with Addendum 1)

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

2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | kbest@ahrinet.org, www.ahrinet.org

BSR/AHRI Standard 551/591-202x (SI), Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle (revision of ANSI/AHRI Standard 551/591 (SI) with Addendum 1 -2012)

ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI 49085 | walsh@asabe.org, <https://www.asabe.org/>

BSR/ASABE AD22000-202x MONYEAR, Food safety management systems - Requirements for any organization in the food chain (national adoption with modifications of ISO 22000:2018)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME B89.1.14-2018 (R202x), Calipers (reaffirmation of ANSI/ASME B89.1.14-2018)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME PTC 9-202x, Performance Test Code for Displacement Compressors, Vacuum Pumps, and Blowers (new standard)

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

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

BSR/ASSP A10.48-202X, Criteria for Safety Practices with the Construction, Demolition, Modification and Maintenance of Communication Structures (revision and redesignation of ANSI/ASSE A10.48-2016)

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600015.03-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting for Router and Ethernet Switch Products (revision of ANSI/ATIS 0600015.03-2016 (R2021))

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street NW, Suite 500, Washington, DC 20005 | dgreco@atis.org, www.atis.org

BSR/ATIS 0600015.04-202x, Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC Power Plant - Rectifier Requirements (revision of ANSI/ATIS 0600015.04-2017)

BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | mtierney@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.43-202x, Standard for Integrated Sliding Door Assemblies (new standard)

DirectTrust (DirectTrust.org, Inc.)

1629 K Street NW, Suite 300, Washington, DC 20006 | standards@directtrust.org, www.DirectTrust.org

BSR/DS2019-01-300-202x, Implementation Guide for Direct Edge Protocols (new standard)

Interest Categories: Call for DirectTrust Standards Members DS2019 – Direct Standard™ Are you interested in contributing to the development and maintenance of the Direct Standard tm to enable exchange of authenticated, encrypted health information to known trusted recipients? DirectTrust Standards is currently looking for members in the following categories: a) Healthcare Sector (b) Government Sector (c) Healthcare Payer Sector (d) Consumer Sector and General Interest e) Information Technology Sector g) Interoperability and Systems Integration Sector If you are interested in joining DS2019 contact standards@directtrust.org.

HI (Hydraulic Institute)

300 Interpace Parkway, Building A, 3rd Floor, #280, Parsippany, NJ 07054 | amoser@pumps.org, www.pumps.org

BSR/HI 14.3-202x, Rotodynamic Pumps for Design and Application (revision of ANSI/HI 14.3-2019)

IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | pmcgillicuddy@ies.org, www.ies.org

BSR/IES TM- (FF)-202x, Standard File Format for the Electronic Data Transfer of Light Output Maintenance Characteristics of Solid-State Light Sources (new standard)

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS 496-2012/AM 2-202x, Information Technology - Fibre Channel - Security Protocols - 2/Amendment 2 (FC-SP -2/AM 2) (addenda to INCITS 496-2012 [S2022], INCITS 496-2012/AM1-2015 [R2020])

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

700 K Street NW, Suite 600, Washington, DC 20001 | comments@standards.incits.org, www.incits.org

INCITS 560-202x, Information technology - Fibre Channel - Physical Interfaces - 8 (FC-PI-8) (new standard)

NSF (NSF International)

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

BSR/NSF 25-202x (i14r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021)

TIA (Telecommunications Industry Association)

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

BSR/TIA 1183-B-202x, Measurement Methods and Test Fixtures for Balun-Less Measurements of Balanced Components and Systems (revision and redesignation of ANSI/TIA 1183-A-2017)

VITA (VMEbus International Trade Association (VITA))

929 W. Portobello Avenue, Mesa, AZ 85210 | jing.kwok@vita.com, www.vita.com

BSR/VITA 92.0-202x, High Performance Cable - Ruggedized 10 Gbaud Bulkhead High Speed, D-Sub, Rectangular Connector for Copper Cables (new standard)

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 link is 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: <https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR): <https://ibr.ansi.org/>
- ANSI - Education and Training: www.standardslearn.org

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

ASB - American Society of Baking/ASC Z50, Safety Requirements for Bakery Equipment

Effective November 11, 2022

The reaccreditation of the **American Society of Baking (ASB)**, sponsor of **ASC Z50, Safety Requirements for Bakery Equipment** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on ASB/ASC Z50-sponsored American National Standards, effective **November 11, 2022**. For additional information, please contact: Toby Steward, American Society of Baking | 243 Reade Drive, Cogan Station, PA 17728 | (570) 494-0624, toby.steward@tnasolutions.com

Approval of Reaccreditation – ASD

NIST/ITL - National Institute of Standards and Technology/Information Technology Laboratory

Effective November 11, 2022

The reaccreditation of **NIST/ITL - National Institute of Standards and Technology/Information Technology Laboratory** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NIST/ITL-sponsored American National Standards, effective **November 11, 2022**. For additional information, please contact: Michael Hogan, National Institute of Standards and Technology/Information Technology Laboratory (NIST/ITL) | 100 Bureau Drive, Stop 8900, NIST, Gaithersburg, MD 20899-8900 | (301) 975-2926, m.hogan@nist.gov

Approval of Reaccreditation – ASD

SAAMI - Sporting Arms and Ammunition Manufacturers Institute

Effective November 11, 2022

The reaccreditation of **SAAMI - Sporting Arms and Ammunition Manufacturers Institute** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on SAAMI-sponsored American National Standards, effective **November 11, 2022**. For additional information, please contact: Brian Osowiecki, Sporting Arms and Ammunition Manufacturers Institute (SAAMI) | 11 Mile Hill Road, Newtown, CT 06470-2359 | (203) 426-4358, bosowiecki@saami.org

Approval of Reaccreditation – ASD

SERI - Sustainable Electronics Recycling International

Effective November 15, 2022

The reaccreditation of **SERI - Sustainable Electronics Recycling International** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on SERI-sponsored American National Standards, effective **November 15, 2022**. For additional information, please contact: Mike Easterbrook, Sustainable Electronics Recycling International (SERI) | 11102 Woodruff Ave. #10, Downey, CA 90241 | (310) 221-1578, Mike@SustainableElectronics.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)
- NFRC (National Fenestration Rating Council)
- NISO (National Information Standards Organization)
- NSF (NSF International)
- PRCA (Professional Ropes Course Association)
- RESNET (Residential Energy Services Network, Inc.)
- SAE (SAE International)
- TCNA (Tile Council of North America)
- TIA (Telecommunications Industry Association)
- ULSE (UL Standards & Engagement)

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, 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.

ACCA

Air Conditioning Contractors of America
1330 Braddock Place, Suite 350
Alexandria, VA 22314
www.acca.org
David Bixby
david.bixby@acca.org

ADA (Organization)

American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
www.ada.org
Paul Bralower
bralowerp@ada.org

AHRI

Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard, Suite 400
Arlington, VA 22201
www.ahrinet.org
Karl Best
kbest@ahrinet.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
www.ans.org
Kathryn Murdoch
kmurdoch@ans.org

APCO

Association of Public-Safety Communications Officials-International
351 N. Williamson Boulevard
Daytona Beach, FL 32114
www.apcolntl.org
Mindy Adams
apcostandards@apcointl.org

APTech (ASC CGATS)

Association for Print Technologies
450 10th Circle N
Nashville, TN 37203
www.printtechnologies.org
Debra Orf
dorf@apttech.org

ASABE

American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
<https://www.asabe.org/>
Jean Walsh
walsh@asabe.org
Walter Brace
brace@asabe.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org
Carmen King
cking@ashrae.org
Emily Toto
etoto@ashrae.org
Mark Weber
mweber@ashrae.org
Ryan Shanley
rshanley@ashrae.org
Thomas Loxley
tloxley@ashrae.org

ASME

American Society of Mechanical Engineers
Two Park Avenue, 6th Floor
New York, NY 10016
www.asme.org
Maria Acevedo
ansibox@asme.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

ASQ (ASC Z1)

American Society for Quality
600 N Plankinton Avenue
Milwaukee, WI 53201
www.asq.org

Elizabeth Spaulding
espaulding@asq.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

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org
Laura Klineburger
accreditation@astm.org

ATIS

Alliance for Telecommunications Industry Solutions
1200 G Street NW, Suite 500
Washington, DC 20005
www.atis.org
Drew Greco
dgreco@atis.org

BHMA

Builders Hardware Manufacturers Association
17 Faulkner Drive
Niantic, CT 06357
www.buildershardware.com
Michael Tierney
mtierney@kellencompany.com

BIFMA

Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW, Suite 150
Grand Rapids, MI 49504
www.bifma.org
Anthony Serge
aserge@bifma.org

CSA

CSA America Standards Inc.
8501 East Pleasant Valley Road
Cleveland, OH 44131
www.csagroup.org

Debbie Chesnik
ansi.contact@csagroup.org

DirectTrust

DirectTrust.org, Inc.
1629 K Street NW, Suite 300
Washington, DC 20006
www.DirectTrust.org

Stacy Clements
standards@directtrust.org

HI

Hydraulic Institute
300 Interpace Parkway, Building A, 3rd
Floor, #280
Parsippany, NJ 07054
www.pumps.org
Alexander Moser
amoser@pumps.org

HL7

Health Level Seven
3300 Washtenaw Avenue, Suite 227
Ann Arbor, MI 48104
www.hl7.org
Karen Van Hentenryck
Karenvan@HL7.org

IEEE

Institute of Electrical and Electronics
Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org
Lisa Weisser
l.weisser@ieee.org

IES

Illuminating Engineering Society
120 Wall Street, Floor 17
New York, NY 10005
www.ies.org
Patricia McGillicuddy
pmcgillicuddy@ies.org

IEST

Institute of Environmental Sciences and
Technology
1827 Walden Office Square, Suite 400
Schaumburg, IL 60173
www.iest.org
Jennifer Sklena
jsklena@iest.org

INMM (ASC N15)

Institute of Nuclear Materials Management
9800 S. Cass Avenue
Argonne, IL 60439
www.inmm.org
Balasubrahmanyam Srinivasan
b.srinivasan@science.doe.gov

ITI (INCITS)

InterNational Committee for Information
Technology Standards
700 K Street NW, Suite 600
Washington, DC 20001
www.incits.org
Deborah Spittle
comments@standards.incits.org
Rachel Porter
comments@standards.incits.org

NEMA (ASC C78)

National Electrical Manufacturers
Association
1300 N 17th St
Rosslyn, VA 22209
www.nema.org
Michael Erbesfeld
Michael.Erbesfeld@nema.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org
Allan Rose
arose@nsf.org
Jason Snider
jsnider@nsf.org
Monica Milla
mmilla@nsf.org
Rachel Brooker
rbrooker@nsf.org

PHTA

Pool and Hot Tub Alliance
2111 Eisenhower Avenue
Alexandria, VA 22314
www.PHTA.org
Blake Pavlik
bpavlik@phta.org

RESNA

Rehabilitation Engineering and Assistive
Technology Society of North America
2001 K Street, NW, 3rd Floor North
Washington, DC 20006
www.resna.org

Doug Weinbaum
dweinbaum@resna.org

SCTE

Society of Cable Telecommunications
Engineers
140 Philips Rd
Exton, PA 19341
www.scte.org
Kim Cooney
kcooney@scte.org

TAPPI

Technical Association of the Pulp and
Paper Industry
15 Technology Parkway
Peachtree Corners, GA 30092
www.tappi.org
Tiffany Plummer
standards@tappi.org

TIA

Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
www.tiaonline.org
Teessa Jenkins
standards-process@tiaonline.org

ULSE

UL Standards & Engagement
12 Laboratory Drive
Research Triangle Park, NC 27709
<https://ulse.org/>
Caroline Treuthardt
caroline.treuthardt@ul.org
Doreen Stocker
Doreen.Stocker@ul.org
Julio Morales
Julio.Morales@UL.org
Michael Niedermayer
michael.niedermayer@ul.org
Vickie Hinton
Vickie.T.Hinton@ul.org

ULSE

UL Standards & Engagement
333 Pflingsten Road
Northbrook, IL 60062
<https://ulse.org/>
Jeff Prusko
jeffrey.prusko@ul.org
Susan Malohn
Susan.P.Malohn@ul.org

ULSE

UL Standards & Engagement
47173 Benicia Street
Fremont, CA 94538
<https://ulse.org/>

Linda Phinney
Linda.L.Phinney@ul.org

VITA

VMEbus International Trade Association
(VITA)
929 W. Portobello Avenue
Mesa, AZ 85210
www.vita.com

Jing Kwok
jing.kwok@vita.com

ISO & IEC Draft International Standards



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

COMMENTS

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on ISO documents must be submitted electronically in the approved ISO template and as a Word document as other formats will not be accepted.

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

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/DIS 3744, Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane - 1/30/2023, \$134.00

ISO/DIS 5114-1, Acoustics - Determination of uncertainties associated with sound emission measures - Part 1: Sound power levels determined from sound pressure measurements - 1/29/2023, \$93.00

Agricultural food products (TC 34)

ISO/DIS 22662, Milk and milk products - Determination of lactose content by high-performance liquid chromatography (Reference method) - 1/30/2023, \$53.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO/DIS 16610-45, Geometrical product specifications (GPS) - Filtration - Part 45: Morphological profile filters: Segmentation - 1/28/2023, \$88.00

Industrial automation systems and integration (TC 184)

ISO/DIS 10303-2, Industrial automation systems and integration - Product data representation and exchange - Part 2: Vocabulary - 1/26/2023, \$350.00

Jewellery (TC 174)

ISO/DIS 5724, Jewellery and precious metals - Determination of very high purity gold - Difference method using ICP-MS - 1/30/2023, \$53.00

Light metals and their alloys (TC 79)

ISO/DIS 13093, Titanium and titanium alloys - Determination of carbon - Infrared absorption method after combustion in an induction furnace - 1/28/2023, \$46.00

Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 20427, Pigments and extenders - Dispersion procedure for sedimentational particle sizing of suspended pigment or extender with liquid sedimentation methods - 1/29/2023, \$82.00

ISO/DIS 18314-4, Analytical colorimetry - Part 4: Metamerism index for pairs of samples for change of illuminant - 1/30/2023, \$82.00

ISO/DIS 3262-12, Extenders - Specifications and methods of test - Part 12: Muscovite-type mica - 1/26/2023, \$33.00

ISO/DIS 3262-22, Extenders - Specifications and methods of test - Part 22: Flux-calcined kieselguhr - 1/27/2023, \$33.00

Plastics (TC 61)

ISO/DIS 8060, Composites and reinforcements fibres - Carbon fibre reinforced plastics (CFRPs) and metal assemblies - Characterization of durability of adhesive interfaces by wedge rupture test - 1/26/2023, \$53.00

ISO/DIS 16620-4, Plastics - Biobased content - Part 4: Determination of biobased mass content - 2/2/2023, \$62.00

ISO/DIS 19069-2, Plastics - Polypropylene (PP) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties - 1/26/2023, \$46.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

ISO 161-1:2018/DAMd 1.2, - Amendment 1: Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series - Amendment 1 - 11/17/2022, \$33.00

Road vehicles (TC 22)

ISO/DIS 22574, Road vehicles - Brake linings friction materials - Visual inspection - 1/29/2023, \$102.00

ISO/DIS 12103-1, Road vehicles - Test contaminants for filter evaluation - Part 1: Arizona test dust - 1/26/2023, \$67.00

Rubber and rubber products (TC 45)

ISO/DIS 11346.2, Rubber, vulcanized or thermoplastic - Estimation of life-time and maximum temperature of use - 11/21/2022, \$82.00

Solid biofuels (TC 238)

ISO/DIS 17830, Solid biofuels - Particle size distribution of disintegrated pellets - 1/27/2023, \$53.00

(TC 334)

ISO/DIS 33401, Reference materials - Contents of certificates, labels and accompanying documentation - 1/29/2023, \$53.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 11669, Translation projects - General guidance - 2/2/2023, \$102.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO/DIS 3991, Agricultural machinery - Robotic feed systems - Safety - 1/27/2023, \$102.00

Traditional Chinese medicine (TC 249)

ISO/DIS 9306, Traditional Chinese Medicine - Ephedra sinica, Ephedra intermedia, and Ephedra equisetina herbaceous stem - 1/28/2023, \$67.00

Water quality (TC 147)

ISO/DIS 5667-3, Water quality - Sampling - Part 3: Preservation and handling of water samples - 1/29/2023, \$134.00

Welding and allied processes (TC 44)

ISO/DIS 9012, Gas welding equipment - Air-aspirated hand blowpipes - Specifications and tests - 1/26/2023, \$58.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 27701, Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management - Requirements and guidelines - 1/28/2023, \$134.00

IEC Standards**Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)**

46/915/CD, IEC 63466 ED1: Leaky waveguide Part 1: Generic specification - General requirements and test methods, 02/03/2023

Capacitors and resistors for electronic equipment (TC 40)

40/3008/CD, IEC 60115-4-10 ED1: Fixed resistors for use in electronic equipment - Part 4-10: Blank detail specification: Power resistors with axial leads for through-hole assembly on circuit boards (THT), for general electronic equipment - Classification level G, 02/03/2023

40/2985(F)/FDIS, IEC 60384-14 ED5: Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains, 12/02/2022

40/2982(F)/FDIS, IEC 60384-20 ED4: Fixed capacitors for use in electronic equipment - Part 20: Sectional specification - Fixed metallized polyphenylene sulfide film dielectric surface mount DC capacitors, 11/25/2022

40/2983(F)/FDIS, IEC 60384-23 ED3: Fixed capacitors for use in electronic equipment - Part 23: Sectional specification - Fixed metallized polyethylene naphthalate film dielectric surface mount DC capacitors, 11/25/2022

40/3009/CD, IEC 60384-8 ED5: Fixed capacitors for use in electronic equipment - Part 8: Sectional specification: Fixed capacitors of ceramic dielectric, Class 1, 02/03/2023

40/3010/CD, IEC 60384-9 ED5: Fixed capacitors for use in electronic equipment - Part 9: Sectional specification: Fixed capacitors of ceramic dielectric, Class 2, 02/03/2023

Dependability (TC 56)

56/1966/CDV, IEC 62506 ED2: Methods for product accelerated testing, 02/03/2023

Electric traction equipment (TC 9)

9/2906/CD, IEC 62848-3 ED1: Railway applications - DC surge arresters and voltage limiting devices - Part 3: Guidance on application, 02/03/2023

Electrical accessories (TC 23)

23A/1032/FDIS, IEC 61537 ED3: Cable management - Cable tray systems and cable ladder systems, 12/23/2022

Electrical equipment in medical practice (TC 62)

62D/1988/CDV, IEC 60601-2-16 ED6: Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment, 02/03/2023

62D/1990/CDV, IEC 60601-2-34 ED4: Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment, 02/03/2023

62D/1992/CDV, IEC 60601-2-39 ED4: Medical electrical equipment - Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment, 02/03/2023

62D/2006/FDIS, IEC 60601-2-75/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-75: Particular requirements for the basic safety and essential performance of photodynamic therapy and photodynamic diagnosis equipment, 12/23/2022

62D/1991/CDV, IEC 80601-2-49/AMD1 ED1: Amendment 1 - Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors, 02/03/2023

Electrical installations of ships and of mobile and fixed offshore units (TC 18)

18/1807/CD, IEC 60092-501 ED6: Electrical installations in ships - Part 501: Special features - Electric propulsion plant, 02/03/2023

Electromechanical components and mechanical structures for electronic equipments (TC 48)

48B/3002/CDV, IEC 60512-99-003 ED1: Connectors for electrical and electronic equipment - Tests and measurements - Part 99-003: Endurance test schedules - Test 99c: Test schedule for balanced single-pair connectors unmating under electrical load, 02/03/2023

48B/3012/CD, IEC 61076-8-111 ED1: Connectors for electrical and electronic equipment - Product requirements Part 8-111: Power connectors- Detail specification for 3-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 20A, 02/03/2023

48B/3011/CD, IEC 61076-8-112 ED1: Connectors for electrical and electronic equipment - Product requirements Part 8-112: Power connectors - Detail specification for 2-pole snap locking waterproof rectangular connectors with plastic housing for rated current of 50 A, 02/03/2023

Environmental conditions, classification and methods of test (TC 104)

104/951/NP, PNW TS 104-951 ED1: Classification of environmental conditions - Part 4-3: Guidance for the correlation and transformation of environmental condition classes of IEC 60721-3-3 to the environmental tests of IEC 60068 - Stationary use at weatherprotected locations, 02/03/2023

Fibre optics (TC 86)

86A/2249(F)/FDIS, IEC 60794-1-305 ED1: Optical fibre cables - Part 1-305: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon tear (separability), Method G5, 12/02/2022

Insulating materials (TC 15)

15/978/CDV, IEC 60455-2 ED4: Resin based reactive compounds used for electrical insulation - Part 2: Methods of test, 02/03/2023

Lamps and related equipment (TC 34)

34/986(F)/FDIS, IEC 62386-202 ED2: Digital addressable lighting interface - Part 202: Particular requirements for control gear - Self-contained emergency lighting (device type 1), 11/25/2022

34D/1680(F)/FDIS, IEC 62722-2-1 ED2: Luminaire performance - Part 2-1: Particular requirements - LED luminaires, 12/09/2022

Measuring equipment for electromagnetic quantities (TC 85)

85/848/CD, IEC 61557-10 ED3: ELECTRICAL SAFETY IN LOW VOLTAGE DISTRIBUTION SYSTEM UP TO 1 000 V AC AND 1 500 V DC - EQUIPMENT FOR TESTING, MEASURING OR MONITORING OF PROTECTIVE MEASURES - Part 10: Combined measuring equipment, 02/03/2023

Nanotechnology standardization for electrical and electronic products and systems (TC 113)

113/717/NP, PNW 113-717 ED1: IEC TS 62607-4-9 ED 1: Nanomanufacturing - Key control characteristics - Part 4-9: Carbon nanomaterials for electric double layer capacitors (EDLC) - Electrochemical key control characteristics: Coin type EDLC method - Preparation of coin type EDLC, 02/03/2023

113/716/NP, PNW TS 113-716 ED1: Nanomanufacturing - Key control characteristics - Part 6-30: Graphene-based material - Anion concentration: Ion chromatography method, 02/03/2023

113/718/NP, PNW TS 113-718 ED1: Nanomanufacturing - key control characteristics - Part 4-XX: Carbon nanomaterials for electric double layer capacitors (EDLC) - Electrochemical key control characteristics: Coin type EDLC method - Test methods for coin type EDLC, 02/03/2023

113/719/NP, PNW TS 113-719 ED1: Nanomanufacturing - Key control characteristics - Part 6-36: Graphene-based materials - Evaluation of the reduction degree of graphene oxide - UV-Vis absorption spectroscopy, 02/03/2023

113/720/NP, PNW TS 113-720 ED1: IEC TS 62607-6-28 Nanomanufacturing - Key control characteristics - Part 6-28: Graphene-based material - Number of layers: Raman spectroscopy, 02/03/2023

Performance of household electrical appliances (TC 59)

59L/224/CD, IEC 60704-2-9 ED2: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-9: Particular requirements for electric hair care appliances, 02/03/2023

Power electronics (TC 22)

22H/302/CD, IEC 63285-3 ED1: Energy Storage Power Converter (ESPC) Sub-System for use in Electrical Energy Storage Systems (EES) - Part 3: Method of specifying the performance and test requirements, 02/03/2023

Printed Electronics (TC 119)

119/409/CD, Future IEC TR 62899-304-1 ED1: Printed electronics - Part 304-1: Equipment - Temperature Measurement Method for Photonic Sintering System, 02/03/2023

Secondary cells and batteries (TC 21)

21/1158/CDV, IEC 62877-1 ED2: Electrolyte and water for vented lead acid accumulators - Part 1: requirements for electrolyte, 02/03/2023

Switchgear and Controlgear and Their Assemblies for Low Voltage (TC 121)

121A/533/CD, IEC 60947-4-2/AMD1 ED4: Amendment 1 - Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - Semiconductor motor controllers, starters and soft-starters, 01/06/2023

Terminology (TC 1)

1/2514/CDV, IEC 60050-726 ED2: International Electrotechnical Vocabulary (IEV) - Part 726: Transmission lines and waveguides, 02/03/2023



Newly Published ISO & IEC Standards

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

ISO Standards

Aircraft and space vehicles (TC 20)

[ISO 22010:2022](#), Space systems - Mass properties control, \$73.00

[ISO 24564:2022](#), Space systems - Adhesives - General requirements, \$149.00

Corrosion of metals and alloys (TC 156)

[ISO 3079:2022](#), Two-electrode method using acetic acid to measure pitting potential of aluminium and aluminium alloys in chloride solutions, \$73.00

[ISO 9227:2022](#), Corrosion tests in artificial atmospheres - Salt spray tests, \$149.00

Doors and windows (TC 162)

[ISO 24084:2022](#), Curtain walling - Inter-storey displacement resistance - Test method, \$111.00

Environmental management (TC 207)

[ISO 14093:2022](#), Mechanism for financing local adaptation to climate change - Performance-based climate resilience grants - Requirements and guidelines, \$200.00

Fluid power systems (TC 131)

[ISO 1179-2:2022](#), Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing - Part 2: Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E), \$73.00

Human resource management (TC 260)

[ISO 30400:2022](#), Human resource management - Vocabulary, \$48.00

Information and documentation (TC 46)

[ISO 24229:2022](#), Information and documentation - Codes for written language conversion systems, \$111.00

Iron ores (TC 102)

[ISO 4698:2022](#), Iron ore pellets for blast furnace feedstocks - Determination of the free-swelling index, \$149.00

Other

[IWA 42:2022](#), FREE

Paints and varnishes (TC 35)

[ISO 16053:2022](#), Paints and varnishes - Coating materials and coating systems for exterior wood - Natural weathering test, \$175.00

[ISO 4628-5:2022](#), Paints and varnishes - Evaluation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 5: Assessment of degree of flaking, \$48.00

Petroleum products and lubricants (TC 28)

[ISO 7278-2:2022](#), Petroleum measurement systems - Part 2: Pipe prover design, calibration and operation, \$250.00

Plastics pipes, fittings and valves for the transport of fluids (TC 138)

[ISO 4437-4:2022](#), Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves, \$149.00

Pulleys and belts (including veebelts) (TC 41)

[ISO 7623:2022](#), Steel cord conveyor belts - Cord-to-coating bond test - Initial test and after thermal treatment, \$48.00

[ISO 23586:2022](#), Conveyor belts - Indentation rolling resistance related to belt width - Requirements and testing, \$73.00

Road vehicles (TC 22)

[ISO 6469-1:2019/Amd 1:2022](#), - Amendment 1: Electrically propelled road vehicles - Safety specifications - Part 1: Rechargeable energy storage system (RESS) - Amendment 1: Safety management of thermal propagation, \$200.00

[ISO 15830-3:2022](#), Road vehicles - Design and performance specifications for the WorldSID 50th percentile male side-impact dummy - Part 3: Mechanical requirements for electronic subsystems, \$149.00

[ISO 20730-2:2022](#), Road vehicles - Vehicle interface for electronic Periodic Technical Inspection (ePTI) - Part 2: Application and communication requirements conformance test plan, \$175.00

Ships and marine technology (TC 8)

[ISO 23668:2022](#), Ships and marine technology - Marine environment protection - Continuous on-board pH monitoring method, \$73.00

[ISO 23806:2022](#), Ships and marine technology - Cyber safety, \$48.00

Sieves, sieving and other sizing methods (TC 24)

[ISO 9277:2022](#), Determination of the specific surface area of solids by gas adsorption - BET method, \$149.00

Small craft (TC 188)

[ISO 10240:2022](#), Small craft - Owners manual, \$111.00

[ISO 21487:2022](#), Small craft - Permanently installed petrol and diesel fuel tanks, \$111.00

Soil quality (TC 190)

[ISO 23265:2022](#), Soil quality - Test for estimating organic matter decomposition in contaminated soil, \$111.00

Solid Recovered Fuels (TC 300)

[ISO 21911-1:2022](#), Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry, \$73.00

Tobacco and tobacco products (TC 126)

[ISO 24197:2022](#), Vapour products - Determination of e-liquid vaporised mass and aerosol collected mass, \$73.00

Tourism and related services (TC 228)

[ISO 3163:2022](#), Adventure tourism - Vocabulary, \$48.00

Traditional Chinese medicine (TC 249)

[ISO 19609-3:2022](#), Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 3: Testing for contaminants, \$73.00

Transfusion, infusion and injection equipment for medical use (TC 76)

[ISO 8872:2022](#), Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials - General requirements and test methods, \$111.00

Water quality (TC 147)

[ISO 13165-1:2022](#), Water quality - Radium-226 - Part 1: Test method using liquid scintillation counting, \$111.00

ISO Technical Reports**Health Informatics (TC 215)**

[ISO/TR 23358:2022](#), Health informatics - A case study on establishing standardized measurement data in cardiac examination reports, \$73.00

ISO Technical Specifications**Environmental management (TC 207)**

[ISO/TS 14074:2022](#), Environmental management - Life cycle assessment - Principles, requirements and guidelines for normalization, weighting and interpretation, \$111.00

Soil quality (TC 190)

[ISO/TS 5594:2022](#), Soil and water quality - Guidance and requirements for designing an interlaboratory trial for validation of biotests, \$200.00

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 21897:2022](#), Information technology - Data centres - Impact of the ISO 52000 series on energy performance of buildings, \$200.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 27559:2022](#), Information security, cybersecurity and privacy protection - Privacy enhancing data de-identification framework, \$149.00

[ISO/IEC 23090-7:2022](#), Information technology - Coded representation of immersive media - Part 7: Immersive media metadata, \$200.00

[ISO/IEC 14496-10:2022](#), Information technology - Coding of audio-visual objects - Part 10: Advanced video coding, \$250.00

[ISO/IEC 23090-10:2022/Amd 1:2022](#), - Amendment 1: Information technology - Coded representation of immersive media - Part 10: Carriage of visual volumetric video-based coding data - Amendment 1: Support of packed video data, \$20.00

[ISO/IEC/IEEE 24748-7000:2022](#), Systems and software engineering - Life cycle management - Part 7000: Standard model process for addressing ethical concerns during system design, \$225.00

IEC Standards**Cables, wires, waveguides, r.f. connectors, and accessories for communication and signalling (TC 46)**

[IEC 62037-8 Ed. 1.0 b:2022](#), Passive RF and microwave devices, intermodulation level measurement - Part 8: Measurement of passive intermodulation generated by objects exposed to RF radiation, \$51.00

Capacitors and resistors for electronic equipment (TC 40)

[IEC 60286-2 Ed. 5.0 b:2022](#), Packaging of components for automatic handling - Part 2: Tape packaging of components with unidirectional leads on continuous tapes, \$259.00

[IEC 60286-3 Ed. 7.0 b:2022](#), Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes, \$354.00

[IEC 60286-3 Ed. 7.0 en:2022 CMV](#), Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes, \$614.00

Lamps and related equipment (TC 34)

[IEC 62386-101 Ed. 3.0 b:2022](#), Digital addressable lighting interface - Part 101: General requirements - System components, \$392.00

[IEC 62386-101 Ed. 3.0 en:2022 CMV](#), Digital addressable lighting interface - Part 101: General requirements - System components, \$689.00

[IEC 62386-102 Ed. 3.0 b:2022](#), Digital addressable lighting interface - Part 102: General requirements - Control gear, \$392.00

[IEC 62386-102 Ed. 3.0 en:2022 CMV](#), Digital addressable lighting interface - Part 102: General requirements - Control gear, \$689.00

[IEC 62386-103 Ed. 2.0 b:2022](#), Digital addressable lighting interface - Part 103: General requirements - Control devices, \$392.00

[IEC 62386-103 Ed. 2.0 en:2022 CMV](#), Digital addressable lighting interface - Part 103: General requirements - Control devices, \$689.00

Nuclear instrumentation (TC 45)

[IEC 60910 Ed. 2.0 b:2022](#), Nuclear power plants - Instrumentation important to safety - Containment monitoring for early detection of developing deviations from normal operation in light water reactors, \$89.00

[IEC 60951-3 Ed. 3.0 b:2022](#), Nuclear facilities - Instrumentation systems important to safety - Radiation monitoring for accident and post-accident conditions - Part 3: Equipment for continuous high range area gamma monitoring, \$133.00

[S+ IEC 60951-3 Ed. 3.0 en:2022 \(Redline version\)](#), Nuclear facilities - Instrumentation systems important to safety - Radiation monitoring for accident and post-accident conditions - Part 3: Equipment for continuous high range area gamma monitoring, \$173.00

Quantities and units, and their letter symbols (TC 25)

[IEC 80000-6 Ed. 2.0 b:2022](#), Quantities and units - Part 6: Electromagnetism, \$259.00

Wind turbine generator systems (TC 88)

[IEC 61400-50-1 Ed. 1.0 b:2022](#), Wind energy generation systems - Part 50-1: Wind measurement - Application of meteorological mast, nacelle and spinner mounted instruments, \$392.00

IEC Technical Specifications**Environmental standardization for electrical and electronic products and systems (TC 111)**

[IEC/TS 62474-1 Ed. 1.0 en:2022](#), Material declaration for products of and for the electrotechnical industry - Part 1: Guidance on the implementation of IEC 62474, \$392.00

International Organization for Standardization (ISO)

Call for U.S. TAG Administrator

ISO/TC 33 – Refractories

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 33 – *Refractories*, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 33 operates under the following scope:

Standardization of raw materials and products of the refractories industry and their properties.

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

ISO Proposal for a New Field of ISO Technical Activity

Dust and Dust Storms

Comment Deadline: December 16, 2022

INSO, the ISO member body for Iran, has submitted to ISO a proposal for a new field of ISO technical activity on Dust and Dust Storms, with the following scope statement:

Standardization in the field of natural dust and dust storm on an urban scale and in industrial towns, excluded artificial/manufactures dust. Standardization and development of international standards includes: terminology, specifications, constituent and size of dust, feature of dust storms and prevent the creation of dust or reduce the risks of natural dust in the areas of Healthcare, safe water, agriculture, transportation etc.

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, December 16, 2022.

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, trade associations, U.S. domiciled standards development organizations and conformity assessment bodies, consumers, or U.S. government agencies may be interested in proposed foreign technical regulations notified by Member countries of the World Trade Organization (WTO). In accordance with the WTO Agreement on Technical Barriers to Trade (TBT Agreement), Members are required to notify to the WTO Secretariat in Geneva, Switzerland proposed technical regulations that may significantly affect trade. In turn, the Secretariat circulates 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 Enquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Enquiry Point relies on the WTO's ePing SPS&TBT platform (<https://epingalert.org/>) to distribute the notified proposed foreign technical regulations (notifications) and their full-texts available to U.S. stakeholders. Interested U.S. parties can register with ePing to receive e-mail alerts when notifications are added from countries and industry sectors of interest to them. To register for ePing, please visit: <https://epingalert.org/>

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

For further information about the USA TBT Enquiry Point, please visit:

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

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



2023 Standards Action Publishing | Volume No. 54

*The "Submit End" deadline applies to forms received by Monday, 5:00 PM ET

Based on the dates below, an ANSI-Developer can anticipate that a request made between the SUBMIT START date and the *SUBMIT END 5 PM date will appear in ANSI Standards Action on the SA PUBLISHED date.

The last three columns display the 30, 45 & 60-DAY PR (Public Review) END dates

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
01	12/20/2022	12/26/2022	Jan 6	2/5/2023	2/20/2023	3/7/2023
02	12/27/2022	1/2/2023	Jan 13	2/12/2023	2/27/2023	3/14/2023
03	1/3/2023	1/9/2023	Jan 20	2/19/2023	3/6/2023	3/21/2023
04	1/10/2023	1/16/2023	Jan 27	2/26/2023	3/13/2023	3/28/2023
05	1/17/2023	1/23/2023	Feb 3	3/5/2023	3/20/2023	4/4/2023
06	1/24/2023	1/30/2023	Feb 10	3/12/2023	3/27/2023	4/11/2023
07	1/31/2023	2/6/2023	Feb 17	3/19/2023	4/3/2023	4/18/2023
08	2/7/2023	2/13/2023	Feb 24	3/26/2023	4/10/2023	4/25/2023
09	2/14/2023	2/20/2023	Mar 3	4/2/2023	4/17/2023	5/2/2023
10	2/21/2023	2/27/2023	Mar 10	4/9/2023	4/24/2023	5/9/2023
11	2/28/2023	3/6/2023	Mar 17	4/16/2023	5/1/2023	5/16/2023
12	3/7/2023	3/13/2023	Mar 24	4/23/2023	5/8/2023	5/23/2023
13	3/14/2023	3/20/2023	Mar 31	4/30/2023	5/15/2023	5/30/2023
14	3/21/2023	3/27/2023	Apr 7	5/7/2023	5/22/2023	6/6/2023
15	3/28/2023	4/3/2023	Apr 14	5/14/2023	5/29/2023	6/13/2023
16	4/4/2023	4/10/2023	Apr 21	5/21/2023	6/5/2023	6/20/2023
17	4/11/2023	4/17/2023	Apr 28	5/28/2023	6/12/2023	6/27/2023
18	4/18/2023	4/24/2023	May 5	6/4/2023	6/19/2023	7/4/2023
19	4/25/2023	5/1/2023	May 12	6/11/2023	6/26/2023	7/11/2023
20	5/2/2023	5/8/2023	May 19	6/18/2023	7/3/2023	7/18/2023
21	5/9/2023	5/15/2023	May 26	6/25/2023	7/10/2023	7/25/2023
22	5/16/2023	5/22/2023	Jun 2	7/2/2023	7/17/2023	8/1/2023
23	5/23/2023	5/29/2023	Jun 9	7/9/2023	7/24/2023	8/8/2023
24	5/30/2023	6/5/2023	Jun 16	7/16/2023	7/31/2023	8/15/2023
25	6/6/2023	6/12/2023	Jun 23	7/23/2023	8/7/2023	8/22/2023
26	6/13/2023	6/19/2023	Jun 30	7/30/2023	8/14/2023	8/29/2023
27	6/20/2023	6/26/2023	Jul 7	8/6/2023	8/21/2023	9/5/2023

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
28	6/27/2023	7/3/2023	Jul 14	8/13/2023	8/28/2023	9/12/2023
29	7/4/2023	7/10/2023	Jul 21	8/20/2023	9/4/2023	9/19/2023
30	7/11/2023	7/17/2023	Jul 28	8/27/2023	9/11/2023	9/26/2023
31	7/18/2023	7/24/2023	Aug 4	9/3/2023	9/18/2023	10/3/2023
32	7/25/2023	7/31/2023	Aug 11	9/10/2023	9/25/2023	10/10/2023
33	8/1/2023	8/7/2023	Aug 18	9/17/2023	10/2/2023	10/17/2023
34	8/8/2023	8/14/2023	Aug 25	9/24/2023	10/9/2023	10/24/2023
35	8/15/2023	8/21/2023	Sep 1	10/1/2023	10/16/2023	10/31/2023
36	8/22/2023	8/28/2023	Sep 8	10/8/2023	10/23/2023	11/7/2023
37	8/29/2023	9/4/2023	Sep 15	10/15/2023	10/30/2023	11/14/2023
38	9/5/2023	9/11/2023	Sep 22	10/22/2023	11/6/2023	11/21/2023
39	9/12/2023	9/18/2023	Sep 29	10/29/2023	11/13/2023	11/28/2023
40	9/19/2023	9/25/2023	Oct 6	11/5/2023	11/20/2023	12/5/2023
41	9/26/2023	10/2/2023	Oct 13	11/12/2023	11/27/2023	12/12/2023
42	10/3/2023	10/9/2023	Oct 20	11/19/2023	12/4/2023	12/19/2023
43	10/10/2023	10/16/2023	Oct 27	11/26/2023	12/11/2023	12/26/2023
44	10/17/2023	10/23/2023	Nov 3	12/3/2023	12/18/2023	1/2/2024
45	10/24/2023	10/30/2023	Nov 10	12/10/2023	12/25/2023	1/9/2024
46	10/31/2023	11/6/2023	Nov 17	12/17/2023	1/1/2024	1/16/2024
47	11/7/2023	11/13/2023	Nov 24	12/24/2023	1/8/2024	1/23/2024
48	11/14/2023	11/20/2023	Dec 1	12/31/2023	1/15/2024	1/30/2024
49	11/21/2023	11/27/2023	Dec 8	1/7/2024	1/22/2024	2/6/2024
50	11/28/2023	12/4/2023	Dec 15	1/14/2024	1/29/2024	2/13/2024
51	12/5/2023	12/11/2023	Dec 22	1/21/2024	2/5/2024	2/20/2024
52	12/12/2023	12/18/2023	Dec 29	1/28/2024	2/12/2024	2/27/2024

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

[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 –

Vending Machines for Food and Beverages

5 Design and construction

5.22.3.1 Unless provided with ~~adequate~~ refrigeration in compliance with 6.2, vending machines that heat ~~potentially hazardous~~ time/temperature control for safety foods shall not be equipped with a delay timer or other device that precludes ~~potentially hazardous~~ time/temperature control for safety foods from being heated immediately after being placed in the vending machine.

Rationale: Replaces a subjective term with specific verifiable criteria. Incorporates language consistent with other food equipment standards.

5.26.7 Automated ice bagging systems that ~~utilize~~ use a blower fan to hold the ~~dispensing~~ packaging bag open during the filling process shall be equipped with an air filter ~~on the inlet side in the airstream of the blower fan to prevent contamination and foreign objects~~ airborne particles from being deposited in the bag. The air filter shall have a Minimum Efficiency Reporting Value (MERV) of 11 or greater.

Rationale: Requiring an air filter without including a minimum specification requirement for the filter may not provide the desired result. This revised language provides clear and measurable specifications. The MERV system rates air filters on a scale of 1-20 on their ability to capture airborne particles. The higher the MERV rating, the higher the filtration efficiency.

5.35.2 The manufacturer shall provide a product literature for field-testing the automatic shut-off control. The procedure shall:

- be according to Section 6.4 at the time of certification; and
- include the recommended amount of time required to service the machine; and
- include the maximum time interval between field testing.

The procedure shall be:

- ~~a part of the product literature (provided that a pocket or compartment for holding the product literature is provided inside the machine); or~~
- Included in a printed copy of the operator's manual in a pocket or compartment inside the machine; or
- on a label permanently affixed inside the machine; or
- accessible via a quick response (QR) code or similar electronic media.

BSR/UL 2900-2-1, Standard for Software Cybersecurity for Network-Connectable Products, Part 2-1: Particular Requirements for Network Connectable Components of Healthcare and Wellness Systems

1. Addition of Inclusive Language

PROPOSAL

12.4.3.16 ~~A list of permitted options~~ An allow-list shall be used to ~~allow~~ ensure only authorized software to ~~is executed~~ unless such use introduces new hazards.

12.4.3.17 Proactive endpoint malware protection shall be used when technically feasible (e.g., ~~permitting a list of permitted~~ of processes/ports). Reactive malware protection (e.g., antivirus, intrusion detection) shall be used when proactive protection is not feasible. If no tool or method is available for endpoint protection, this should be captured in the risk assessment and documented accordingly.

ANNEX A (Informative) – Rationale for the Requirements

[Table not shown in entirety. Only showing portions with proposed edits.]

Reference	Description	Rationale
12.4.3.14	All software and firmware is digitally signed	For example, the Draft "Content of Premarket Submissions for Management of Cybersecurity in Medical Devices", discusses "Where feasible, ensure that the integrity of software is validated prior to execution, e.g., permitting based on <u>a list of allowed software digital signatures</u> ", "and "Where feasible, use industry-accepted best practices to maintain/verify integrity of code while it is being executed on the device." Firmware signing is to be designed in the security requirements and should be a part of the verification and validation process. Some potential current tools to meet this objective can be leveraged like Ncover, JCoCo, TICS, Coverity and the like for Code quality/Coverage purposes. (See also 12.4.3.18 and UL 2900-1, Appendix C – Requirements for Security Functions.)
12.4.3.16	Permissions are granted to allow only <u>Only a permitted list of trusted software is allowed to execute.</u> Exceptions are documented in risk management file	Permissions are <u>An allow-list solution is used to only allow authorized software to run on the system. In addition, permissions the allow-list system only supports cryptographically authenticated and authorized updates.</u>

BSR/UL 62841-4-1000, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 4-1000: Particular Requirements For Utility Machines

1. Proposed maximum payload capacity clarification

PROPOSAL

K.8.3 *Addition:*

– The maximum **payload** capacity for each loading condition described in accordance with K.8.14.2 b) 101) and maximum **gradeability** described in accordance with K.8.14.2 b) 105).

2. Proposed stability test clarification

PROPOSAL

K.19.8 *Replacement:*

Utility machines shall have adequate stability during transportation.
Compliance is checked by the following test.

The test is ~~is~~ shall be performed with the most unfavourable battery in accordance with K.8.14.2 e) 2).

*The **utility machine** shall be tested in the unloaded condition and then repeated while loaded to the maximum payload as specified in K.8.3 distributed equally in the **hopper**.*

NOTE Equal distribution of the additional force can be achieved by using bags of sand or other similar means.

The machine is ~~is~~ shall be placed in its normal transportation position while standing still and also traversing in both directions perpendicular to the slope of a plane inclined at an angle 10° to the horizontal. The machine shall not tip over.

The test is ~~is~~ shall be conducted on a fully assembled machine:

– *With the legs, wheels, casters, or similar means of support arranged in the position most likely to result in tip-over such as turning the caster so that the caster axle is under the machine frame versus outside of the frame area. The wheels and casters that may roll during the “standing “still” portion of the test may be locked or blocked to prevent them from rolling; and*

– *For **utility machines** with a lift, the **utility machine** unloaded and loaded to the maximum payload as specified in K.8.3, at its maximum lift height, and standing still, except on the maximum grade as specified in K.8.14.2 b) 105, but without traversing.*

– *For machines with **hopper**, unloaded and loaded to the maximum payload as specified in [K.8.3](#) in the most unfavorable position, and standing still, except on the maximum grade as specified in [K.8.14.2 b\) 105](#), but without traversing.*