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CONTENTS

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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.

ASC X9 (Accredited Standards Committee X9, Incorporated)

Ambria Frazier; Ambria.frazier@x9.org | 275 West Street, Suite 107 | Annapolis, MD 21401 www.x9.org

Revision

BSR X9.73-202X, Cryptographic Message Syntax (revision of ANSI X9.73-2017)
Stakeholders: Cryptographic solution manufactures, service providers, and end-users.

Project Need: X9.73 CMS will be revised as part of its 5-year review to include post-quantum cryptography (PQC) and other relevant changes, including RFC 8933 Algorithm Identifier Protection (AIP) and newer standards, such that TR-50 Quantum Techniques in CMS can be withdrawn.

Interest Categories: Consumer, General Interest, Producer

Scope: This standard specifies a cryptographic syntax scheme that can be used to protect financial transactions, files and other messages from unauthorized disclosure and modification. The cryptographic syntax scheme is based on an abstract Cryptographic Message Syntax (CMS) schema whose concrete values can be represented using either a compact, efficient, binary encoding, or as a flexible, human-readable, XML markup format.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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Revision

BSR X9.112-1-202x, Wireless Management and Security - Part 1: General Requirements (revision of ANSI X9.112 -1-2016)
Stakeholders: WiFi solution manufactures, service providers, and end-users.

Project Need: X9.112, Wireless Management and Security - Part 1: General Requirements will be revised as part of its 5-year review. X9.112, Wireless Management and Security - Part 1: General Requirements needs updates. WiFi technologies have changed (e.g., 5G), wireless protocols have changed, and new vulnerabilities have been discovered. Relevant updates will be researched and developed by the workgroup.

Interest Categories: Consumer, General Interest, Producer

Scope: Part 1 of this Standard provides an overview of wireless radio frequency (RF) technologies and general requirements applicable to all wireless implementations for the financial services industry. Subsequent parts of this Standard will address specific applications to wireless technology and associated risks, as well as technologies, methods, and controls that mitigate those risks.

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK82816-202x, New Guide for Chain-Link Tennis Court Fences and Perimeter Enclosures (new standard)

Stakeholders: Sports Facilities Industry

Project Need: The current Standard was loosely based on USTA guidelines in 1986 but wasn't updated to include changes that have been made by the USTA, ITF, and other tennis-related associations since then. F969's title does not represent the content of the standard. It does not focus on tennis-specific construction that differs from typical chain-link fence construction, and offers little in the way of tennis-specific material information. Changing this Standard from a Practice to a Guide gives us the opportunity to present many more topics relevant to the design of a tennis fence. It takes text from F969 that is specific to that topic and incorporates guidance that is consistent with the direction taken by the USTA and ITF, the governing bodies of tennis.

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

Scope: The focus of this guide is to provide design criteria and promote quality construction and reduced maintenance of chain link fence enclosures around tennis courts. This guide informs those interested in the design, installation, and maintenance of tennis court fencing on the many details and features of chain link fencing. This standard offers recommendations for the layout of tennis court fencing, describes various types of chain-link fabric and framework material that are available, and refers to other useful resource material for designing a quality tennis court fence.

ASTM (ASTM International)

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New Standard

BSR/ASTM WK82817-202x, New Guide for the Specification, Selection, Design, and Maintenance of Fencing for Outdoor Recreational Activities Areas, Playspaces and Playing Fields used in a Publicly Accessible Site (new standard)

Stakeholders: Sports Facilities Industry

Project Need: Throughout the recreation playspace, there are design questions related to the inclusion or separation of the activities, participants, and equipment used in the activities. These are complex decisions based on local, state, and federal regulations and requirements and the local needs for the agencies involved and the persons using the facility. This guide follows the Benefit-Risk approach with an assessment of the risks and benefits and determining the balance prior to moving forward with a fencing project. The sub-committee recognizes that ASTM does have a committee and sub-committee for the manufacture and installation of fencing and fencing systems. It is recognized that the standards published by F14 will be used once the agency or designer makes the decision that the results of the Benefit-Risk Assessment warrant the installation of any fence.

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

Scope: This guide will provide an information and options for the provision of fencing used in publicly accessible outdoor recreation, playspaces, and playing field areas. The guidance can be used in the development of the benefit/risk assessment used in the determination of whether a fence, a design, or a configuration are warranted.

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 364-02D-2012 (R202x), Air Leakage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-02D-2012 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a method to determine the integrity of the seal of the shell, insert and contact interfaces in an electrical connector.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-06C-2006 (R202x), Contact Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-06C-2006 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes test methods to determine the resistance of mated connector contacts attached to lengths of wire by measuring the voltage drop across the contacts while they are carrying a specified current.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard establishes a method to determine the effects caused by subjecting electrical connectors or contacts to the conditioning action of mating and unmating, simulating the expected life of the connectors.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-23C-2006 (R202x), Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-23C-2006 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure may apply to any type or combination of current carrying members such as pin and socket contacts, relay contacts, wire and crimp connectors, or printed circuit board and contact.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-35C-2012 (R202x), Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-35C-2012 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

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

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical Connectors (reaffirmation of ANSI/EIA 364-57A-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure establishes a test method to determine whether coupling pin strength can withstand external forces required to mate and unmate circular bayonet electrical connectors with gages or devices.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-83A-2017 (R202x), Shell-to-Shell and Shell-to-Bulkhead Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-83A-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard test procedure applies to mated plugs and receptacles or mated plugs and receptacles mounted to a bulkhead with conductive shells and/or mounting flange.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-87B-2017 (R202x), Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-87B-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: The object of this procedure is to define methods for detecting events that can be as short as 1 nanosecond.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-96A-2017 (R202x), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96A-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test method applies to compliant pins inserted in printed circuit boards with plated-throughholes (PTH).

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-114-2010 (R202x), Coupling and Uncoupling Force Test Procedure for Electrical Connectors, Sockets, and Applicable Accessories (reaffirmation of ANSI/EIA 364-114-2010 (R2017))
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This test procedure establishes a test method to determine the coupling/uncoupling forces required to couple and uncouple circular electrical connectors, sockets, and applicable accessories.

ECIA (Electronic Components Industry Association)

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Reaffirmation

BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Reaffirm current American National Standard.

Interest Categories: User, Producer, General Interest

Scope: This standard applies to electrical connectors, sockets, and coaxial contacts.

HI (Hydraulic Institute)

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Addenda

BSR/HI 14.3a-202x, Rotodynamic Pumps for Design and Application (addenda to ANSI/HI 14.3-2019)
Stakeholders: Pump manufacturers, suppliers, consultants, designers, and end-users.

Project Need: There is a need to make technical corrections to an equation in the standard.

Interest Categories: Are 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.

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

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

Revision

BSR/ASSE 1090-202x, Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (revision of ANSI/ASSE 1090-2020)
Stakeholders: Drinking water treatment industry, Center for Disease Control, Environmental Protection Agency, regulatory bodies

Project Need: Standard is being revised to add requirements for vehicle applications.

Interest Categories: Manufacturer, User, Installer/Maintainer, Research/Standards/Testing, Laboratory, Enforcing Authority Consumer, General Interest

Scope: This standard was developed to cover stationary atmospheric water generators that are designed to create potable water from humidity. This standard is being revised to include provisions for mobile unit for use in vehicles. Critical components of these systems include a surface chilled below the dewpoint of the ambient air, storage tank, and disinfection control techniques to address microbiological water contamination. This standard is not intended to verify chemical, particulate, or other water purity claims made by the manufacturer. Systems may include filtration to reduce chemical and particulate water contamination. Proper design shall include consideration for the energy efficiency of the atmospheric water generator.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1936.1-202x, Standard for Drone Applications Framework (new standard)
Stakeholders: Drone manufactures, Drone operators, Drone drivers, Drone users, air traffic control bureau.

Project Need: This standard is needed in view of multiplicity of proprietary solutions for specific drone applications on the global market. Standard framework for support of drone application and application classes will allow solutions based on components from multiplicity of suppliers.

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 standard establishes a framework for support of drone applications. It specifies drone application classes and application scenarios and the required application execution environments.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1936.2-202x, Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering (new standard)
Stakeholders: Drone manufactures, Drone operators, Grid designers, Drone users, Grid operators.

Project Need: With the rapid development of drone technology, light-small drones have been widely used in various stages of power grid construction. Due to the lack of the technical standards for photogrammetry applying light-small civil drones, technicians can only refer to the relevant standards of large drones and manned aircrafts in the process of power grid engineering survey and design. The technical characteristics of light-small drones make its operation process, route planning, data processing, accuracy index, and technical requirements significantly different, which makes these standards and specifications unable to be used directly. Setting the technical standard for photogrammetry applying light-small civil drones in the process of power grid engineering survey and design can guide applications of the drones in power grid engineering, improve data acquisition efficiency, ensure data quality, and reduce project construction costs.

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 standard specifies the operational methods, accuracy indicators, and technical requirements for the photogrammetry for light-small civil drone applications in power grid engineering surveys and design. The light and small civil drones in this standard refers to:
1) Fixed-wing UAV or multi-rotor UAV is applied as the flying platform;
2) Powered by battery or fuel;
3) The weight is between 0.25 kg and 25 kg without payload; and
4) The maximum active radius is 15 km and the maximum operational altitude is 1 km.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1937.6-202x, Standard for Unmanned Aerial Vehicle (UAV) Light Detection and Ranging (LiDAR) Remote Sensing Operation (new standard)
Stakeholders: UAV manufacturers, LiDAR manufacturers, operators and managers of UAV airborne LiDAR system, air traffic control bureau, researchers in related research institutes, UAV LiDAR users in electric power, surveying and mapping, forestry, agriculture and other industries.

Project Need: With the growth of Drone LiDAR remote sensing applications in different fields, the operation methods of Unmanned Aerial Vehicle airborne LiDAR are significantly diverse. A standard for operation method is necessary for multi-vendor solutions and user data sharing.

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 the operational methods and data management for Unmanned Aerial Vehicle Light Detection and Ranging (LiDAR) remote sensing applications.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1937.7-202x, Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications (new standard)
Stakeholders: Surveying and mapping administration, Red Cross Society, Remote sensing data technologies companies, Drone users.

Project Need: This standard will enable vendors to supply various components for Drone-based polarimetric remote sensing systems and to support interoperability in operations and data utilization of polarimetric remote sensing systems deployed in earth observation 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: The standard specifies an Unmanned Aerial Vehicle polarimetric remote sensing method for Earth objects observation applications.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1937.8-202x, Standard for Functional and Interface Requirements for Unmanned Aerial Vehicle (UAV) Cellular Communication Terminals (new standard)
Stakeholders: Drone manufactures, Drone operators, Drone users, Network operators.

Project Need: A standard for UAV's cellular terminal interface will enable usage of cellular network for UAV Commend, Control and Communications. It also will enable multiple vendors to produce cellular terminals for drones and will enable drone platform manufacturers to produce cellular network communication enabled drones.

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 functional requirements and interface requirements for cellular communication terminals in Unmanned Aerial Vehicles. It provides specifications for hardware, signaling, data interfaces, environmental characteristics, performance, reliability, security, and configuration management.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1937.9-202x, Requirements for External Power and Power Management Interfaces for Unmanned Aerial Vehicle (new standard)
Stakeholders: Manufactures of drones and drone hangars, drone service providers, industrial or advanced individual drone users.

Project Need: With the increasing growth in demand for automated drone services, a variety of drone charging kits for use in hangars and on board are in use. A standard for external power interfaces and power management interfaces is necessary for drone manufacturers and service providers to help resolve interchangeability and safety concerns.

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 the requirements for external power interfaces of Unmanned Aerial Vehicles (UAV). It defines wireline and wireless Power Management Interfaces for charging and in-flight operations.

IEEE (Institute of Electrical and Electronics Engineers)

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New Standard

BSR/IEEE 1939.1-202x, Standard for a Framework for Structuring Low Altitude Airspace for Unmanned Aerial Vehicle (UAV) Operations (new standard)
Stakeholders: Drone manufacturers Drone operators, Drone drivers, Drone users, Air traffic control bureau.

Project Need: With rapid proliferation of Unmanned Aerial Vehicle (UAV) applications that operate in low-attitude airspace, safety considerations require structuring of the airspace and appropriate standardized UAV capabilities and infrastructure for compliance with regulations and safe UAV operations.

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 structure for low altitude airspace that enables safe and efficient Unmanned Aerial Vehicle (UAV) traffic management. It defines UAV capabilities and related infrastructure for UAVs to operate in and comply with low-altitude air-space regulations.

NECA (National Electrical Contractors Association)

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Revision

BSR/NECA 420-202x, Standard for Fuse Applications (revision of ANSI/NECA 420-2014)
Stakeholders: Electrical Contractors, Specifiers, Electrical Workers, Inspectors, Building Owners, Maintenance Engineers.

Project Need: National Electrical Installation Standards (developed by NECA in partnership with other industry organizations) are the first performance standards for electrical construction. They go beyond the basic safety requirements of the National Electrical Code to clearly define what is meant by installing products and systems in a "neat and workmanlike" manner.

Interest Categories: Construction, Producer, General Interest, Government.

Scope: This standard describles application and installation practices and procedures for low-voltage fuses. This publication applies to all classifications of fuses used for overcurrent protection of distribution, utilization, and control equipment used for power, heating, and lighting loads for commercial, institutional, and industrial use in nonhazardous indoor and outdoor locations. It also covers periodic routine maintenance and troubleshooting procedures for fuses, and special procedures used after adverse operating conditions, such as overcurrents, ground-faults, or exposure to water or other liquids.

NEMA (ASC C50) (National Electrical Manufacturers Association)

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National Adoption

BSR NEMA 61800-1-202x, Adjustable Speed Drives - Electrical Power Drive Systems - Part 1: General Requirements - Rating Specifications for Low Voltage Adjustable Speed DC Power Drive Systems (identical national adoption of IEC 61800-1:2021 (Edition 2.0))
Stakeholders: adjustable speed drive manufacturers, motor manufactures, manufacturing systems, motor drive systems specifiers, building and municipal users, government regulators

Project Need: The project is needed to adopt IEC 61800-1:2021 (Edition 2.0).

Interest Categories: Producer, End User, General Interest

Scope: Applies to adjustable-speed electric power drive systems intended to feed DC motors from a BDM/CDM connected to line-to-line voltages up to and including 1 kV AC 50 Hz or 60 Hz and/or voltages up to and including 1,5 kV DC input

NEMA (ASC C50) (National Electrical Manufacturers Association)

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National Adoption

BSR NEMA 61800-2-202x, Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for adjustable speed AC power drive systems (identical national adoption of IEC 61800 -2:2021)
Stakeholders: Adjustable speed drive manufacturers, motor manufactures, manufacturing systems, motor drive systems specifiers, building and municipal users, government regulatorsr

Project Need: The project is needed to harmonize with the recently published IEC 61800-2:2021 (Edition 3.0).

Interest Categories: Producer, User, General Interest

Scope: Applies to adjustable-speed electric power drive systems intended to feed AC motors from a BDM or CDM connected to line-to-line voltages up to and including 35 kV AC, 50 Hz or 60 Hz, and/or voltages up to and including 1,5 kV DC.

PMI (Organization) (Project Management Institute)

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Revision

BSR/PMI 17-005-202X, Standard for Business Analysis (revision of ANSI/PMI-17-005-2017)
Stakeholders: Those interested in the project management profession such as senior executives, program managers, managers of projects, members of project management offices, business analysts, other job titles performing business analysis, members of a business analysis center of excellence, functional managers with employees assigned to project teams, educators teaching project management and/or business analysis related subjects, consultants and other specialists in project management, business analysis and related fields, trainers developing project management and business analysis educational programs, researchers analyzing project management and business analysis, etc. Anyone who wants the knowledge and skills needed to standardize, integrate and/or improve their practices for business analysis to drive project, program and portfolio success and better business outcomes.

Project Need: Business Analysis is the set of activities performed to identify business needs and recommend relevant solutions; and to elicit, document, and manage the requirements of those solutions. PMI's Standard for Business Analysis (2017; ANSI/PMI 17-005-2017) provided formalization for organizational requirements practices, and for integrating those practices with project management practices. Updates to the Standard for Business Analysis are necessary to capture current practices and thought leadership in the Business Analysis community. A cover-to-cover revision is planned to address needed modifications that will allow it to best serve the field.

Interest Categories: Academic/Training; Consultant; General Interest; Organization/Professional

Scope: PMI's Standard for Business Analysis is a basic reference and the global standard for the business analysis profession. The updated Standard will identify and describe the subset of the body of knowledge for business analysis that is recognized as good practice. The updated Standard will help practitioners and organizations to mature their practices, drive continuous improvement, and integrate these practices with existing project management practices. A cover-to-cover revision is planned to address needed modifications that will allow it to best serve the field.

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 227-202x, Cable Operator Location Risk Assessment - Operational Practice (revision of ANSI/SCTE 277-2022)
Stakeholders: Cable Telecommunications Industry

Project Need: Update current technology.

Interest Categories: General Interest, User, Producer

Scope: The scope of this document is to describe the steps necessary to perform a location risk assessment.

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: September 4, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC-1000-2018)
The provisions in this standard provide minimum requirements for the construction of any building intended for human occupancy, except for 1- and 2-family dwellings, in order to reduce occupant exposure to radon and other hazardous soil gases.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: StandardsAssist@gmail.com

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

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

Addenda

BSR/ASHRAE/IES Addendum c to BSR/ASHRAE/IES Standard 202-202x, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018)
This proposed addendum adds ongoing commissioning requirements related to new construction.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: September 4, 2022

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

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

Addenda

BSR/ASHRAE/IES Addendum d to BSR/ASHRAE/IES Standard 202-202x, Commissioning Process for New Buildings and New Systems (addenda to ANSI/ASHRAE/IES Standard 202-2018)
This proposed addendum adds additional clarity to construction phase activity requirements.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 49-202x (i128r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)
This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: arose@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF 332-202x (i11r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015)
This sustainability standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable resilient floor coverings. The Standard includes relevant criteria across the product(s) life cycle from raw material extraction through manufacturing, use, and end-of-life management. As used in this Standard, “resilient floor coverings” includes, but is not limited to, vinyl tile, vinyl composition tile, sheet vinyl, rubber, polymeric, and linoleum flooring products in which the wearing surface is non-textile. Also included are flooring accessories such as wall base, moldings, and stair treads.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: aburr@nsf.org

Comment Deadline: September 4, 2022

NSF (NSF International)

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

Revision

BSR/NSF 332-202x (i12r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015)
This sustainability standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable resilient floor coverings. The Standard includes relevant criteria across the product(s) life cycle from raw material extraction through manufacturing, use, and end-of-life management. As used in this Standard, "resilient floor coverings" includes, but is not limited to, vinyl tile, vinyl composition tile, sheet vinyl, rubber, polymeric, and linoleum flooring products in which the wearing surface is non-textile. Also included are flooring accessories such as wall base, moldings, and stair treads.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: aburr@nsf.org

NSF (NSF International)

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

Revision

BSR/NSF/CAN 50-202x (i191r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2022)
This Standard covers materials, chemicals, components, products, equipment, and systems, related to public and residential recreational water facility operation.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider; jsnider@nsf.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 448A-202x, Standard for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps (revision of ANSI/UL 448A-2013 (R2017))
(1) Editorial revisions: Referenced Publications, Components Section.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Grayson Flake; Grayson.Flake@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 796-202x, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2022)
This proposal for UL 796 covers: (1) Clarify Sections 12.1 and 12.2, Manufacturing Process Temperatures at 100°C; (2) Clarify Section 23, Test Sample Pattern Description; (3) Update Figure 24.1 to Align with UL 796F.
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: September 4, 2022

ULSE (UL Standards & Engagement)

171 Nepean Street, Suite 400, Ottawa, ON K2P 0B4 Canada | kevin.hf.wu@ul.org, https://ul.org/

Revision

BSR/UL 2075-202x, Standard for Safety for Gas and Vapor Detectors and Sensors (revision of ANSI/UL 2075 -2021)
This proposal includes: (1) Unconditioned areas; (2) NFPA 720 reference.
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: September 19, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 165-202x, Best Practice Recommendation for Analysis of Friction Ridge Impressions (new standard)
This document provides best practice recommendations for the Analysis of friction ridge impressions as part of the Analysis, Comparison, and Evaluation examination process. These recommendations include how to assess, document the quality of friction ridge detail and categorize impressions on the basis of their complexity, and document the utility of impressions for further examination. This document does not address the Comparison or Evaluation stages of the friction-ridge examination process.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: September 19, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB BPR 166-202x, Best Practice Recommendation for Comparison and Evaluation of Friction Ridge Impressions (new standard)
This document provides best practice recommendations for the comparison and evaluation of friction ridge impressions as part of the analysis, comparison, and evaluation examination process. These recommendations include how to categorize comparisons between two friction-ridge impressions on the basis of their complexity and specifies the criteria for supporting source conclusions. This document does not address the analysis stage of the friction-ridge examination process.
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AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 145-202x, Standard for Consultation during Friction Ridge Examination (new standard)
This standard sets documentation, quality, and consultant requirements for consultations during friction-ridge examinations. This document does not apply to conflict resolution.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: https://www.aafs.org/academy-standards-board
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Send comments (copy psa@ansi.org) to: asb@aafs.org

Comment Deadline: September 19, 2022

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 168-202x, Standard for Testimony Monitoring in Friction Ridge Examination (new standard)
This document sets requirements for Forensic Service Providers (FSP) to review the appropriateness of testimony provided by its personnel related to friction ridge examination. This document specifies how to review testimony and assess whether methods, limitations, and interpretations of work performed were conveyed in accordance with established best practices. This document does not address the Technical Review of case files or results of friction-ridge examinations.
Single copy price: Free
Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.
Order from: Document will be provided electronically on AAFS Standards Board website (www.aafs.org/academy-standards-board) free of charge.
Send comments (copy psa@ansi.org) to: asb@aafs.org

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK52190-202x, Specification for Eye Protectors for Handball (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
Obtain an electronic copy from: accreditation@astm.org
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK69498-202x, Test Method for Mineral Characterization of Equine Surface Materials by X-Ray Diffraction (XRD) Techniques (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK69872-202x, Guide for Crime Scene Photography (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK72763-202x, Test Methods for Experimental and Laboratory Replication of In-situ Equine Surface Testing (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK72856-202x, Practice for the Collection and Preservation of Organic Gunshot Residue (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK81868-202x, Reinstatement of D2749-13 Standard Symbols for Dimensions of Plastic Pipe Fittings (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F1888-2014 (R202x), Test Method for Compression-Displacement of Baseballs and Softballs (reaffirmation of ANSI/ASTM F1888-2014 (R2016))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F1890-2017 (R202x), Test Method for Measuring Softball and Baseball Bat Performance Factor (reaffirmation of ANSI/ASTM F1890-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F2184-2010 (R202x), Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F2573-2006 (R202x), Specification for Low Velocity Resilient Material Projectile (reaffirmation of ANSI/ASTM F2573-2006 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F2574-2006 (R202x), Specification for Low Velocity Projectile Marker (reaffirmation of ANSI/ASTM F2574-2006 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Reaffirmation

BSR/ASTM F3085-2014 (R202x), Specification for Air Soft Gun Barrel Blocking Devices (reaffirmation of ANSI/ASTM F3085-2014 (R2018))
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM D4551-202x, Specification for Poly(Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane (revision of ANSI/ASTM D4551-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM D5319-202x, Specification for Glass-Fiber Reinforced Polyester Wall and Ceiling Panels (revision of ANSI/ASTM D5319-2017)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM E1386-202x, Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction (revision of ANSI/ASTM E1386-2015)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM E2326-202x, Practice for Education and Training of Seized-Drug Analysts (revision of ANSI/ASTM E2326-2014)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM E2917-202x, Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs (revision of ANSI/ASTM E2917-2019A)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Revision

BSR/ASTM E2997-202x, Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry (revision of ANSI/ASTM E2997-2016)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM E3197-202x, Terminology Relating to Examination of Fire Debris (revision of ANSI/ASTM E3197-2020)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1055-202x, Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (revision of ANSI/ASTM F1055-2016A)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM F1551-202x, Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials (revision of ANSI/ASTM F1551-2009 (R2017))
https://www.astm.org/get-involved/technical-committees/ansi-review
Single copy price: Free
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ASTM (ASTM International)

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

Revision

BSR/ASTM F1970-202x, Specification for Special Engineered Fittings, Appurtenances or Valves for Use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly(Vinyl Chloride) (CPVC) Systems (revision of ANSI/ASTM F1970-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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ASTM (ASTM International)

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Revision

BSR/ASTM F2160-202x, Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD) (revision of ANSI/ASTM F2160-2022)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

Revision

BSR/AWS C2.19/C2.19M-202x, Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair (revision of ANSI/AWS C2.19/C2.19M-2013)
This standard defines requirements for thermal spray coating systems for OEM and repair applications. Included are HVOF (High Velocity Oxyfuel) coatings that can be used as an alternative to hard chrome plating. The essential equipment, procedures for surface preparation, and the application of specific thermal spray coatings and sealers are detailed with in-process quality control checkpoints. This standard also presents management requirements and procedures for qualification, procedure approval, and documentation. Also covered are approved applications for thermal spray processes used for OEM and repair of machinery components along with minimum training requirements for thermal spray operators and inspectors. This specification has several annexes including annexes on safety, bend testing, and bond testing.
Single copy price: $31.50.00
Obtain an electronic copy from: jrosario@aws.org
Order from: Jennifer Rosario; jrosario@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Rosario; jrosario@aws.org

Comment Deadline: September 19, 2022

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jmolin@aws.org, www.aws.org

Revision

BSR/AWS D9.1/D9.1M-202x, Sheet Metal Welding Code (revision of ANSI/AWS D9.1/D9.1M-2018)
This code covers the arc and braze welding requirements for nonstructural sheet metal fabrications using the commonly welded metals available in sheet form. Requirements and limitations governing procedure and performance qualification are presented, and workmanship and inspection standards are supplied. The informative annexes provide useful information on materials and processes.
Single copy price: $32.00 (AWS Members); $44.00 (Non-Members)
Obtain an electronic copy from: jmolin@aws.org
Order from: Jennifer Molin; jmolin@aws.org
Send comments (copy psa@ansi.org) to: Jennifer Molin, jmolin@aws.org

AWWA (American Water Works Association)

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

New Standard

BSR/AWWA C232-202x, Viscoelastic Coatings for Steel Water Pipe and Fittings (new standard)
This standard describes the materials and application of viscoelastic coating systems to the exterior of steel water pipe and fittings to be used for under-ground and under-water service.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Order from: Vicki David; vdavid@awwa.org
Send comments (copy psa@ansi.org) to: Paul Olson; polson@awwa.org

CGA (Compressed Gas Association)

8484 Westpark Drive, Suite 220, McLean, VA 22102 | kmastromichalis@cganet.com, www.cganet.com

Revision

BSR/CGA G-2.1-202x, Requirements for the Storage and Handling of Anhydrous Ammonia (revision of ANSI CGA G -2.1-2014)
This standard is intended to apply to the design, construction, repair, alteration, location, installation, maintenance, and operation of anhydrous ammonia systems including refrigerated ammonia storage systems. This standard does not apply to Ammonia manufacturing plants; Refrigeration systems where ammonia is used solely as a refrigerant. Such systems are covered in ANSI/International Institute of Ammonia Refrigeration (IIAR) 2, standard for Design of Safe Closed-Circuit Ammonia Refrigeration Systems; Ammonia transportation pipelines; and Ammonia barges and tankers.
Single copy price: Free
Obtain an electronic copy from: kmastromichalis@cganet.com
Order from: kmastromichalis@cganet.com
Send comments (copy psa@ansi.org) to: Kristy Mastromichalis, kmastromichalis@cganet.com

Comment Deadline: September 19, 2022

NEMA (ASC C12) (National Electrical Manufacturers Association)

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

Revision

BSR C12.7-202x, Requirements for Watthour Meter Sockets (revision of ANSI C12.7-2005 (R2014))
This standard covers the general requirements and pertinent dimensions applicable to watthour meter sockets rated up to and including 600 V and up to and including 320 A continuous duty per socket opening.
Single copy price: $114.00
Obtain an electronic copy from: pau_orr@nema.org
Order from: pau_orr@nema.org
Send comments (copy psa@ansi.org) to: Paul Orr; Pau_orr@nema.org

NEMA (ASC C82) (National Electrical Manufacturers Association)

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

Revision

BSR C82.11-202x, Lamp Ballasts: High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2017)
This standard is intended to cover high-frequency ballasts which have rated open-circuit voltages of 2000 volts or less, operate the lamp at frequencies between 10 kHz and 500 kHz, and are intended to operate at a supply frequency of 50 Hz or 60 Hz. This comprises ballasts for hot-cathode fluorescent lamps, either switch-start (preheat-start), rapid-start (continuously heated cathodes), modified rapid start, programmed start, or instant start used primarily for lighting purposes. The ballast and lamp combinations covered by this specification are normally intended for use in room ambient temperatures of 10OC to 40OC. At ambient temperatures outside this range, certain special operating characteristics may be required.
Single copy price: $536.00
Obtain an electronic copy from: michael.erbesfeld@nema.org
Order from: michael.erbesfeld@nema.org
Send comments (copy psa@ansi.org) to: Michael Erbesfeld; Michael.Erbesfeld@nema.org

NSF (NSF International)

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

Revision

BSR/NSF 416-202x (i5r1), Sustainability Assessment for Water Treatment Chemical Products (revision of ANSI/NSF 416-2017)
This sustainability standard establishes a consistent approach to the evaluation and determination of environmentally preferable and sustainable chemical processes for water treatment chemical products. Many of these water treatment chemicals are used for public health protection. The document includes relevant criteria across the product(s) life cycle from raw material extraction through manufacturing, use, and end-of-life management.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/64803/416i5r1%20-%20JC%20Memo%20&%20Ballot.pdf
Send comments (copy psa@ansi.org) to: jsnider@nsf.org

Comment Deadline: September 19, 2022

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 1559-2017 (R202x), Standard for Insect-Control Equipment - Electrocution Type (reaffirmation of ANSI/UL 1559-2017)
(1) Reaffirmation and continuance of the 5th Edition of the Standard for Insect-Control Equipment – Electrocution Type, UL 1559, as an standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 21-202x, Standard for Safety for LP-Gas Hose (revision of ANSI/UL 21-2017)
The following is being proposed: (1) Addition of exceptions for additional connection fittings and corresponding marking requirements; (2) Clarification for radius of bend and center distance for test; (3) Updating referenced standards.
Single copy price: Free
Obtain an electronic copy from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Jeff Prusko, jeffrey.prusko@ul.org

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Linda.L.Phinney@ul.org, https://ul.org/

Revision

BSR/UL 66-202X, Standard for Safety for Fixture Wire (revision of ANSI/UL 66-2020)
Addition of types RFH-1, HF and HFF; Change references from UL 1581 to UL 2556.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: https://www.shopulstandards.com/.
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area “https://csds.ul.com/Home/ProposalsDefault.aspx.”

Comment Deadline: September 19, 2022

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 569-202x, Standard for Safety for Pigtails and Flexible Hose Connectors for LP-Gas (revision of ANSI/UL 569-2017)
The following is being proposed: (1) Addition of exceptions for additional connection fittings and corresponding marking requirements; (2) Deletion of reference to withdrawn outline; (3) Updating referenced standards.
Single copy price: Free
Obtain an electronic copy from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Order from: shopULstandards.com or https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Jeff Prusko, jeffrey.prusko@ul.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 827-202x, Standard for Central-Station Alarm Services (August 5, 2022) (revision of ANSI/UL 827-2021)
This proposal covers: (1) Incorporate ANSI TMA CS-V-01 and clarify remote supervising stations, monitoring BA alarm systems, and consolidate numerous identical requirements in various sections.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
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.

WCMA (Window Covering Manufacturers Association)

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

Revision

BSR/WCMA A100.1-202x, Standard for the Safety of Window Covering Products (revision of ANSI/WCMA A100.1 -2018)
This Standard applies to all interior window covering products. Types of window covering products documented in this standard include, but are not limited to, cellular shades, horizontal blinds, pleated shades, roll up style shades, roller shades, sheer shades, Roman style shades, traverse rods (including products that are used with traverse rods), panel tracks, and vertical blinds. These products can be manufactured and distributed as either stock or custom products.
Single copy price: Free
Obtain an electronic copy from: mtierney@kellencompany.com and kbishop@kellencompany.com
Order from: mtierney@kellencompany.com
Send comments (copy psa@ansi.org) to: Michael Tierney; mtierney@kellencompany.com

Comment Deadline: October 4, 2022

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 B30.29-2018 (R202x), Self-Erecting Tower Cranes (reaffirmation of ANSI/ASME B30.29-2018)
Volume B30.29 includes provisions that apply to the construction, operation, inspection, testing, and maintenance of powered self-erecting tower cranes that adjust operating radius by means of a trolley traversing a jib.
Single copy price: $42.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Kathleen Peterson; petersonk@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

National Adoption

INCITS/ISO/IEC 7816-8:2021 [202x], 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])
Specifies interindustry commands which can be used for security operations. This document also provides informative directives on how to construct security mechanisms with commands defined in ISO/IEC 7816-4.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 7816-11:2022 [202x], 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])
Specifies security-related interindustry commands that are intended to be used for personal verification through biometric methods in integrated circuit cards. It also defines the data structure and data access methods for use of the card as a carrier of the biometric reference and/or as the device to perform the verification of the cardholder's biometric probe (on-card biometric comparison). Identification of persons using biometric methods is outside the scope of this document.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: October 4, 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 11160-2:2021 [202x], 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])
Specifies the minimum information to be included in the specification sheets of Class 3 and Class 4 printers in order for users to compare the characteristics of different machines. The term “specification sheets” applies to documents which describe the performance characteristics of the printers to be included in instruction manuals, product brochures or on websites. This document applies to printers that can be operated in an office environment. Printers requiring specially equipped rooms or specially instructed operators are not considered in this document.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 18013-3:2017/AM1:2022 [202x], 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)
Amendment 1 to ISO/IEC 18013-3:2017.
Single copy price: $20.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 18328-2:2021 [202x], 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)
Defines physical characteristics and test methods for cards with devices, including but not limited to, power supplying devices, displays, sensors, microphones, loudspeakers, buttons or keypads. This document also covers aspects of coexistence of technologies of devices on the card and other machine-readable card technologies.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: October 4, 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 18745-2:2021 [202x], 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)
Defines the conformance test plan, based on ISO/IEC 10373-6, for the contactless interface of eMRTDs and eMRTD associated readers compliant with ICAO Doc 9303.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 29142-1:2021 [202x], 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])
Establishes terms, symbols, notations and a framework for characterizing toner and ink cartridges used in printing devices that have a digital input printing path, including multi-function devices. This document is intended for equipment used in office environments. Provides a foundation for measuring, evaluating, or specifying characteristics of such toner and ink cartridges. The terms, symbols, notations and framework established herein can be applied to such cartridges.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 22505:2021 [202x], 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)
The scope of this document is limited to the evaluation of black ink cartridge page yield for ink-containing cartridges (i.e. integrated ink cartridges and ink cartridges without integrated printheads) for monochrome inkjet print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain inkjet printer components. Both liquid and solid ink products can be tested using this document.
Single copy price: $149.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: October 4, 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 [202x], 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])
The scope of this document is limited to the evaluation of ink cartridge page yield for ink-containing cartridges (i.e., integrated ink cartridges and ink cartridges without integrated printheads) for colour inkjet print systems. This document can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain inkjet printer components. Both liquid and solid ink products can be tested using this document.
Single copy price: $175.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

National Adoption

INCITS/ISO/IEC 24734:2021 [202x], 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])
Specifies a method for measuring the digital printing productivity of digital printing devices with various office applications and print job characteristics. This document is applicable to digital printing devices, including single-function and multi-function devices, regardless of print technology (e.g., inkjet, laser). Devices can be equipped with a range of paper feed and finishing options either directly connected to the computer system or via a network. It is intended to be used for black and white (B&W) as well as colour digital printing devices.
Single copy price: $225.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

Comment Deadline: October 4, 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 24735:2021 [202x], 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])
Specifies a method for measuring the digital copying productivity of digital copying devices and multifunctional devices with various copying modes. It is applicable to digital copying devices and multifunctional devices equipped with automatic document feeder (ADF) and collating function. This document is intended to be used for black and white (B&W) as well as colour digital copying devices and multifunctional devices of any underlying marking technology.
Single copy price: $200.00
Obtain an electronic copy from: http://webstore.ansi.org/
Order from: http://webstore.ansi.org/
Send comments (copy psa@ansi.org) to: comments@standards.incits.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

New Standard

INCITS 567-202x, Information technology - Serial Attached SCSI - 4.1 (SAS 4.1) (new standard)
Serial Attached SCSI – 4.1 is an update of Serial Attached SCSI – 4 (SAS-4). The following items should be considered for inclusion in Serial Attached SCSI – 4.1: (1) remove data rates of less than 6 Gbit/s for SAS devices; (2) reference SAS Protocol Layer -5 (SPL-5) instead of SAS Protocol Layer -4 (SPL-4); and (3) other updates to SAS-4 that may fit within the scope of this project.
Single copy price: Free
Obtain an electronic copy from: https://standards.incits.org/apps/group_public/document.php?document_id=143305&wg_abbrev=eb
Order from: https://standards.incits.org/apps/group_public/document.php?document_id=143305&wg_abbrev=eb
Send comments (copy psa@ansi.org) to: comments@standards.incits.org

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 33-202x, Standard for Heat Responsive Links for Fire-Protection Service (August 5, 2022) (revision of ANSI/UL 33-2021)
This proposal covers: (1) Editorial changes; (2) Tolerance for Operating Temperature Bath Test.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
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.

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

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

TIA (Telecommunications Industry Association)

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

ANSI/TIA 102.AAAB-A-2005 (R2011), Project 25 Digital Land Mobile Radio - Security Services Overview
Direct inquiries to: Teesha Jenkins; standards-process@tiaonline.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

TIA (Telecommunications Industry Association)

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

ANSI/TIA 102.AAAD-B-2015, Digital Land Mobile Radio Block Encryption Protocol
Direct inquiries to: Teesha Jenkins; standards-process@tiaonline.org

TIA (Telecommunications Industry Association)

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

ANSI/TIA 102.AAAB-A-1-2014, Project 25 - Digital Land Mobile Radio - Security Services Overview
Direct inquiries to: Teesha Jenkins; standards-process@tiaonline.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.

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | bgoodwin@abycinc.org, www.abycinc.org

Revision

ANSI/ABYC EDU-2-2022, On-Water Recreational Boating Skills - Human-Propelled (revision of ANSI/ABYC EDU-2 -2016) Final Action Date: 7/25/2022

APTech (ASC CGATS) (Association for Print Technologies)

113 Seaboard Lane, Suite C250, Franklin, TN 37067 | dorf@aptech.org, www.printtechnologies.org

Withdrawal

ANSI CGATS.7-2003 (R2013), Graphic technology - Pallet loading for printed materials (withdrawal of ANSI CGATS.7-2003 (R2013)) Final Action Date: 7/28/2022

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.frazier@x9.org, www.x9.org

Reaffirmation

ANSI X9.59-2006 (R2022), Electronic Commerce for the Financial Services Industry: Account-Based Secure Payment Objects (reaffirmation of ANSI X9.59-2006 (R2013)) Final Action Date: 7/26/2022

Revision

ANSI X9.93-1-2022, Financial Transaction Message - Electronic Benefits Transfer - Part 1: Messages (revision of ANSI X9.93-1-2014) Final Action Date: 7/28/2022

Revision

ANSI X9.93-2-2022, Financial transaction messages - Electronic Benefits Transfer (EBT) - Part 2: Files (revision of ANSI X9.93-2-2014) Final Action Date: 7/28/2022

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

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

Addenda

ANSI/ASHRAE Addendum ad to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE Addendum ae to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE Addendum af to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum f 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: 7/29/2022

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

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

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum l 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: 7/29/2022

Addenda

ANSI/ASHRAE/ICC/IES/USGBC Addendum o 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: 7/29/2022

Addenda

ANSI/ASHRAE/ICC/USGBC/IES Addendum aq to ANSI/ASHRAE/ICC/USGBC/IES 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: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum ac to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum am to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum aq to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum av to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum bb to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum bg to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum bj to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

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

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

Addenda

ANSI/ASHRAE/IES Addendum bq to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum br to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum bs to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum bx to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum cm to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum co to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum cq to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

Addenda

ANSI/ASHRAE/IES Addendum t to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2019) Final Action Date: 7/29/2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

ANSI/ASME B89.7.3.3-2002 (R2022), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2017)) Final Action Date: 7/29/2022

Reaffirmation

ANSI/ASME PTC 4.3-2017 (R2022), Air Heaters (reaffirmation of ANSI/ASME PTC 4.3-2017) Final Action Date: 7/29/2022

ASME (American Society of Mechanical Engineers)

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

Revision

ANSI/ASME B73.3-2022, Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015) Final Action Date: 7/25/2022

ASSP (Safety) (American Society of Safety Professionals)

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

Reaffirmation

ANSI/ASSP Z359.13-2013 (R2022), Personal Energy Absorbers and Energy Absorbing Lanyards (reaffirmation of ANSI/ASSE Z359.13-2013) Final Action Date: 7/26/2022

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 14443-4:2018/AM 1:2021 [2022], Cards and security devices for personal identification - Contactless proximity objects - Part 4: Transmission protocol - Amendment 1: Dynamic power level management (identical national adoption of ISO/IEC 14443-4:2018/AM1:2021) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-1:2021 [2022], Information technology - Storage management - Part 1: Overview (identical national adoption of ISO/IEC 24775-1:2021 and revision of INCITS/ISO/IEC 24775-1:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-2:2021 [2022], Information technology - Storage management - Part 2: Common Architecture (identical national adoption of ISO/IEC 24775-2:2021 and revision of INCITS/ISO/IEC 24775-2:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-3:2021 [2022], Information technology - Storage management - Part 3: Common profiles (identical national adoption of ISO/IEC 24775-3:2021 and revision of INCITS/ISO/IEC 24775-3:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-4:2021 [2022], Information technology - Storage management - Part 4: Block devices (identical national adoption of ISO/IEC 24775-4:2021 and revision of INCITS/ISO/IEC 24775-4:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-5:2021 [2022], Information technology - Storage management - Part 5: File systems (identical national adoption of ISO/IEC 24775-5:2021 and revision of INCITS/ISO/IEC 24775-5:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-6:2021 [2022], Information technology - Storage management - Part 6: Fabric (identical national adoption of ISO/IEC 24775-6:2021 and revision of INCITS/ISO/IEC 24775-6:2014 [R2021]) Final Action Date: 7/29/2022

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 24775-7:2021 [2022], Information technology - Storage management - Part 7: Host elements (identical national adoption of ISO/IEC 24775-7:2021 and revision of INCITS/ISO/IEC 24775-7:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 24775-8:2021 [2022], Information technology - Storage management - Part 8: Media libraries (identical national adoption of ISO/IEC 24775-8:2021 and revision of INCITS/ISO/IEC 24775-8:2014 [R2021]) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 30147:2021 [2022], Information technology - Internet of things - Methodology for trustworthiness of IoT system/service (identical national adoption of ISO/IEC 30147:2021) Final Action Date: 7/29/2022

National Adoption

INCITS/ISO/IEC 30165:2021 [2022], Internet of Things (IoT) - Real-time IoT framework (identical national adoption of ISO/IEC 30165:2021) Final Action Date: 7/29/2022

NSF (NSF International)

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

Revision

ANSI/NSF 41-2022 (i10r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2019) Final Action Date: 7/22/2022

Revision

ANSI/NSF 350-2022 (i59r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2020) Final Action Date: 7/26/2022

Withdrawal

ANSI/NSF 350-1 (i9r1), Onsite Residential and Commercial Greywater Treatment Systems for Subsurface Discharge (withdrawal of ANSI/NSF 350-1-2017 (i7r1)) Final Action Date: 7/25/2022

RESNET (Residential Energy Services Network, Inc.)

P.O. Box 4561, Oceanside, CA 92052 | rick.dixon@resnet.us, www.resnet.us.com

Addenda

ANSI/RESNET/ICC 301-2022 Addendum A-2022, Renewable Energy Certificates (addenda to ANSI/RESNET/ICC 301-2022) Final Action Date: 7/29/2022

ULSE (UL Standards & Engagement)

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

National Adoption

ANSI/UL 60335-2-24-2022, Standard for household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers (identical national adoption of IEC 60335-2-24 and revision of ANSI/UL 60335-2-24-2020) Final Action Date: 7/29/2022

New Standard

ANSI/UL 4402-2022, Standard for Safety for Indoor Air Quality in Buildings and Facilities Utilized for the Cultivation, Production and Processing of Cannabis (new standard) Final Action Date: 7/29/2022

ULSE (UL Standards & Engagement)

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

Reaffirmation

ANSI/UL 497-2004 (R2022), Protectors for Paired-Conductor Communications Circuits (reaffirmation of ANSI/UL 497-2004 (R2017)) Final Action Date: 7/25/2022

Revision

ANSI/UL 521-2022, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2021) Final Action Date: 7/26/2022

Revision

ANSI/UL 674-2022, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (revision of ANSI/UL 674-2020) Final Action Date: 7/29/2022

Revision

ANSI/UL 1059-2022, Standard for Safety for Terminal Blocks (revision of ANSI/UL 1059-2021) Final Action Date: 7/28/2022

Revision

ANSI/UL 1565-2022, Standard for Safety for Positioning Devices (revision of ANSI/UL 1565-2013 (R2017)) Final Action Date: 7/29/2022

Revision

ANSI/UL 2586A-2022, Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 2586A-2019) Final Action Date: 7/29/2022

Revision

ANSI/UL 2586B-2022, Standard for Safety for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 2586B-2020) Final Action Date: 7/29/2022

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.

Call for Members (ANS Consensus Bodies)

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST CC-1000-202x, Soil Gas Control Systems in New Construction of Buildings (revision of ANSI/AARST CC -1000-2018)

AWS (American Welding Society)

8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | jrosario@aws.org, www.aws.org

BSR/AWS C2.19/C2.19M-202x, Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair (revision of ANSI/AWS C2.19/C2.19M-2013)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-02D-2012 (R202x), Air Leakage Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-02D-2012 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-06C-2006 (R202x), Contact Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-06C-2006 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-09D-2018 (R202x), Durability Test Procedure for Electrical Connectors and Contacts (reaffirmation of ANSI/EIA 364-09D-2018)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-23C-2006 (R202x), Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA-364-23C-2006 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-35C-2012 (R202x), Insert Retention Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-35C-2012 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-57A-2017 (R202x), Coupling Pin Strength Test Procedure for Circular Bayonet Electrical Connectors (reaffirmation of ANSI/EIA 364-57A-2017)

Call for Members (ANS Consensus Bodies)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-83A-2017 (R202x), Shell-to-Shell and Shell-to-Bulkhead Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-83A-2017)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-87B-2017 (R202x), Nanosecond Event Detection Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-87B-2017)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-96A-2017 (R202x), Plated Through Hole Integrity Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-96A-2017)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-114-2010 (R202x), Coupling and Uncoupling Force Test Procedure for Electrical Connectors, Sockets, and Applicable Accessories (reaffirmation of ANSI/EIA 364-114-2010 (R2017))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-117-2017 (R202x), Dielectric Breakdown Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts (reaffirmation of ANSI/EIA 364-117-2017)

HI (Hydraulic Institute)

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

BSR/HI 14.3a-202x, Rotodynamic Pumps for Design and Application (addenda to ANSI/HI 14.3-2019)

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 567-202x, Information technology - Serial Attached SCSI - 4.1 (SAS 4.1) (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/ISO/IEC 7816-8:2021 [202x], 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])

Call for Members (ANS Consensus Bodies)

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/ISO/IEC 7816-11:2022 [202x], 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])

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/ISO/IEC 11160-2:2021 [202x], 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])

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/ISO/IEC 18013-3:2017/AM1:2022 [202x], 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)

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/ISO/IEC 18328-2:2021 [202x], 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)

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/ISO/IEC 18745-2:2021 [202x], 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)

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/ISO/IEC 29142-1:2021 [202x], 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])

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/ISO/IEC 22505:2021 [202x], 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)

Call for Members (ANS Consensus Bodies)

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/ISO/IEC 24711:2021 [202x], 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])

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/ISO/IEC 24734:2021 [202x], 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])

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/ISO/IEC 24735:2021 [202x], 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])

NECA (National Electrical Contractors Association)

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | Aga.golriz@necanet.org, www.neca-neis.org

BSR/NECA 420-202x, Standard for Fuse Applications (revision of ANSI/NECA 420-2014)

NSF (NSF International)

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

BSR/NSF 49-202x (i128r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2020)

NSF (NSF International)

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

BSR/NSF 332-202x (i11r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015)

NSF (NSF International)

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

BSR/NSF 332-202x (i12r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332 -2015)

NSF (NSF International)

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

BSR/NSF 416-202x (i5r1), Sustainability Assessment for Water Treatment Chemical Products (revision of ANSI/NSF 416-2017)

Call for Members (ANS Consensus Bodies)

NSF (NSF International)

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

BSR/NSF/CAN 50-202x (i191r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2022)

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

ADA (Organization) - American Dental Association

ADA Standards Committees to Hold Fall Meetings

The ADA Standards Committee on Dental Informatics (ADA SCDI) will hold its Fall 2022 meeting on October 10-12, 2022, in Houston, TX. The meeting will be held at the ADA headquarter hotel, Marriott Marquis Houston (1777 Walker St, Houston, TX 77010). All meetings are free and open to all, but require advance registration. This will be a hybrid meeting and there will be an option for participants to attend virtually for the Plenary sessions and some of the working group meetings. SCDI working groups will meet October 10-11. The SCDI Plenary meeting will be held on October 12 beginning at 8:30 a.m. (Central). To register, please go to the link below: SCDI Registration. Discounted hotel rooms are available. For housing information, please call 800-621-8099, Ext. 2506 or e-mail "standards@ada.org."

The ADA Standards Committee on Dental Products (SCDP) will be holding a virtual plenary session on Wednesday, September 7 beginning at 12:00 p.m. (Central). The meeting is free and open to all, but requires advance registration. To register, please go to this link:

SCDP Registration: https://ebusiness.ada.org/Meetings/Meeting.aspx?ID=102802

American National Standards (ANS) Process

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

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

Please visit ANSI's website (www.ansi.org)

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition): www.ansi.org/essentialrequirements

• ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation

• ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd

• American National Standards Key Steps: www.ansi.org/anskeysteps

• American National Standards Value: www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR): https://ibr.ansi.org/

• ANSI - Education and Training: www.standardslearn.org

American National Standards Under Continuous Maintenance

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

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

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

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- 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.

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO 18743:2015/DAmd 1, Microbiology of the food chain - Detection of Trichinella larvae in meat by artificial digestion method - Amendment 1: Revision of text and minor technical issues, references update, and inclusion of performance characteristics of the method by interlaboratory study - 10/14/2022, FREE

ISO/DIS 1442, Meat and meat products - Determination of moisture content - Reference method - 10/16/2022, FREE

Aircraft and space vehicles (TC 20)

ISO/DIS 3323, Aircraft - Hydraulic components - Marking to indicate fluid for which component is approved - 5/28/2022, FREE

ISO/DIS 5491, Vertiports - Infrastructure and equipment for Vertical Take-Off and Landing (VTOL) of electrically powered cargo Unmanned Aircraft System (UAS) - 6/2/2022, FREE

ISO/DIS 27852, Space systems - Estimation of orbit lifetime - 10/14/2022, FREE

Applications of statistical methods (TC 69)

ISO/DIS 5725-3.2, Accuracy (trueness and precision) of measurement methods and results - Part 3: Intermediate precision and alternative designs for collaborative studies - 8/6/2022, $112.00

Bamboo and rattan (TC 296)

ISO/DIS 6128, Laminated products made of bamboo strips for indoor furniture purposes - 6/2/2022, FREE

Biotechnology (TC 276)

ISO/FDIS 20691, Biotechnology - Requirements for data formatting and description in the life sciences - 7/23/2021, FREE

Chemistry (TC 47)

ISO/DIS 7382, Ethylene for industrial use - Sampling in the liquid and the gaseous phase - 10/20/2022, FREE

ISO/DIS 8563, Propylene and butadiene for industrial use - Sampling in the liquid phase - 10/17/2022, FREE

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO/DIS 5091-4, Structural intervention of existing concrete structures using cementitious materials - Part 4: Jacketing - 5/27/2022, FREE

Cycles (TC 149)

ISO/DIS 6742-1, Cycles - Lighting and retro-reflective devices - Part 1: Lighting and light signalling devices - 5/29/2022, FREE

ISO/DIS 6742-2, Cycles - Lighting and retro-reflective devices - Part 2: Retro-reflective devices - 5/30/2022, FREE

ISO/DIS 6742-3, Cycles - Lighting and retro-reflective devices - Part 3: Installation and use of lighting and retro-reflective devices - 5/30/2022, FREE

ISO/DIS 6742-4, Cycles - Lighting and retro-reflective devices - Part 4: Lighting systems powered by the cycles movement - 5/30/2022, FREE

ISO/DIS 6742-5, Cycles - Lighting and retro-reflective devices - Part 5: Lighting systems not powered by the cycles movement - 5/29/2022, FREE

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Fine ceramics (TC 206)

ISO/DIS 5722, Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determining tensile and shear creep of ceramic adhesive - 5/28/2022, FREE

Geographic information/Geomatics (TC 211)

ISO/FDIS 19131, Geographic information - Data product specifications -, FREE

Geotechnics (TC 182)

ISO/DIS 18674-8, Geotechnical investigation and testing - Geotechnical monitoring by field instrumentation - Part 8: Measurement of loads: Load cells - 5/29/2022, FREE

Governance of organizations (TC 309)

ISO/DIS 37004, Governance of organizations - Governance maturity model - 10/20/2022, FREE

Health Informatics (TC 215)

ISO/DIS 11239, Health informatics - Identification of medicinal products - Data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging - 10/20/2022, FREE

ISO/DIS 29585, Health informatics - Framework for healthcare and related data reporting - 10/15/2022, FREE

Human resource management (TC 260)

ISO/FDIS 30400, Human resource management - Vocabulary - 10/1/2021, FREE

Industrial automation systems and integration (TC 184)

ISO/FDIS 10303-242, Industrial automation systems and integration - Product data representation and exchange - Part 242: Application protocol: Managed model-based 3D engineering -, FREE

Materials, equipment and offshore structures for petroleum and natural gas industries (TC 67)

ISO/DIS 22974, Petroleum and natural gas industry - Pipeline transportation systems - Pipeline integrity assessment specification - 5/27/2022, $107.00

Mechanical testing of metals (TC 164)

ISO/FDIS 14577-5, Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 5: Linear elastic dynamic instrumented indentation testing (DIIT) - 2/14/2020, FREE

Metallic and other inorganic coatings (TC 107)

ISO/FDIS 13807, Vitreous and porcelain enamels - Determination of crack formation temperature in the thermal shock testing of enamels for the chemical industry - 11/20/2021, FREE

ISO/FDIS 28765, Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges - 11/21/2021, FREE

Pigments, dyestuffs and extenders (TC 256)

ISO/DIS 3262-2, Extenders - Specifications and methods of test - Part 2: Barytes (natural barium sulfate) - 10/14/2022, FREE

ISO/DIS 3262-3, Extenders - Specifications and methods of test - Part 3: Blanc fixe - 10/14/2022, FREE

ISO/FDIS 18314-5, Analytical colorimetry - Part 5: Procedure for colorimetric determination of colour differences of object colours according to equidistant colour spaces - 8/21/2021, FREE

Plastics (TC 61)

ISO/FDIS 23524, Plastics - Determination of fracture toughness of films and thin sheets - Essential work of fracture (EWF) method - 11/6/2021, FREE

Powder metallurgy (TC 119)

ISO/DIS 3995, Metallic powders - Determination of green strength by transverse rupture of rectangular compacts - 5/28/2022, $46.00

Rare earth (TC 298)

ISO/DIS 23597, Rare earth - Determination of rare earth content in individual rare earth metal and their oxides - Titration method - 10/17/2022, FREE

Refrigeration (TC 86)

ISO/FDIS 5149-4, Refrigerating systems and heat pumps - Safety and environmental requirements - Part 4: Operation, maintenance, repair and recovery - 3/13/2021, $88.00

Road vehicles (TC 22)

ISO/FDIS 21994, Passenger cars - Stopping distance at straight-line braking with ABS - Open-loop test method - 1/8/2022, FREE

ISO/DIS 7637-1, Road vehicles - Electrical disturbances from conduction and coupling - Part 1: Definitions and general considerations - 5/29/2022, FREE

Steel (TC 17)

ISO/DIS 630-6, Structural steels - Part 6: Technical delivery conditions for seismic-proof improved structural steels for building - 5/29/2022, FREE

Steel wire ropes (TC 105)

ISO/DIS 3444, Stainless steel wire ropes - 5/28/2022, $71.00

Sustainable development in communities (TC 268)

ISO/DIS 37184, Sustainable mobility and transportation - Framework for transportation services by providing meshes for 5G communication - 5/27/2022, FREE

(TC 321)

ISO/DIS 32111, Transaction assurance in E-commerce - Principles and Framework - 10/20/2022, FREE

Thermal insulation (TC 163)

ISO/FDIS 29466, Thermal insulating products for building applications - Determination of thickness - 3/13/2021, FREE

ISO/FDIS 29469, Thermal insulating products for building applications - Determination of compression behaviour - 3/13/2021, FREE

ISO/FDIS 29766, Thermal insulating products for building applications - Determination of tensile strength parallel to faces - 3/14/2021, FREE

Tractors and machinery for agriculture and forestry (TC 23)

ISO 24649:2022/DAmd 1, Agricultural irrigation equipment - Manually and hydraulically operated plastics valves - Amendment 1 - 10/14/2022, FREE

ISO/DIS 10975, Agricultural machinery and tractors - Auto-guidance systems for operator-controlled tractors and self-propelled machines - Safety requirements - 6/2/2022, FREE

ISO/DIS 18497-2, Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 2: Design principles for obstacle protection systems - 6/2/2022, $88.00

Transport information and control systems (TC 204)

ISO/DIS 17386, Intelligent transport systems - Manoeuvring Aids for Low Speed Operation (MALSO) - Performance requirements and test procedures - 5/27/2022, FREE

ISO/DIS 18561-2, Intelligent transport systems - Urban mobility applications via nomadic device for green transport management - Part 2: Functional requirements and specifications for trip and modal choice application - 6/2/2022, FREE

Valves (TC 153)

ISO 5210:2017/DAmd 1, Industrial valves - Multi-turn valve actuator attachments - Amendment 1 - 10/15/2022, FREE

ISO 5211:2017/DAmd 1, Industrial valves - Part-turn actuator attachments - Amendment 1 - 10/15/2022, FREE

Welding and allied processes (TC 44)

ISO/DIS 9455-17, Soft soldering fluxes - Test methods - Part 17: Surface insulation resistance comb test and electrochemical migration test of flux residues - 6/2/2022, $82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 8183, Information technology - Artificial intelligence - Data life cycle framework - 5/27/2022, FREE

ISO/IEC DIS 4396-1, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 1: Reference model - 5/27/2022, FREE

ISO/IEC DIS 4396-2, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 2: Common application connection establishment protocol - 5/27/2022, FREE

ISO/IEC DIS 4396-3, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 3: Common distributed application protocol - 5/27/2022, FREE

ISO/IEC DIS 4396-9, Telecommunications and information exchange between systems - Future network recursive inter-network architecture - Part 9: Error and flow control protocol - 5/27/2022, FREE

ISO/IEC DIS 15444-2, Information technology - JPEG 2000 image coding system - Part 2: Extensions - 5/27/2022, FREE

ISO/IEC FDIS 19566-7, Information technologies - JPEG systems - Part 7: JPEG linked media format (JLINK) - 5/20/2021, FREE

ISO/IEC FDIS 15444-17, Information technology - JPEG 2000 image coding system - Part 17: Extensions for coding of discontinuous media - 11/19/2021, FREE

ISO/IEC FDIS DTR 24485, Information security, cybersecurity and privacy protection - Security techniques - Security properties and best practices for test and evaluation of white box cryptography -, FREE

IEC Standards

111/666/NP, PNW 111-666 ED1: Determination of certain substances in electrotechnical products - Part 14: Determination of SCCPs and MCCPs in electrotechnical products by GC-NCI-MS, 10/21/2022

Audio, video and multimedia systems and equipment (TC 100)

100/3799(F)/FDIS, IEC 63254 ED1: Management and interfaces for WPT - Device-to-device wireless charging (D2DWC) for mobile devices with wireless power TX/RX module, 08/19/2022

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

46A/1579/CDV, IEC 61196-1-119 ED3: Coaxial communication cables - Part 1-119: Electrical test methods - RF power for coaxial cables and cable assemblies, 10/21/2022

Capacitors and resistors for electronic equipment (TC 40)

40/2969/FDIS, IEC 60738-1 ED4: Thermistors - Directly heated positive temperature coefficient - Part 1: Generic specification, 09/09/2022

Electrical equipment in medical practice (TC 62)

62D/1970/FDIS, ISO 81060-3 ED1: Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous non-invasive automated measurement type, 09/09/2022

Electromagnetic compatibility (TC 77)

77A/1149/CD, IEC 61000-3-2/AMD2/FRAG1 ED5: Amendment 2/Fragment 1: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current 16 A per phase), 10/21/2022

77A/1150/CD, IEC 61000-3-2/AMD2/FRAG2 ED5: Amendment 2/Fragment 2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current 16 A per phase), 10/21/2022

77A/1151/CD, IEC 61000-3-2/AMD2/FRAG3 ED5: Amendment 2/Fragment 3: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current 16 A per phase), 10/21/2022

77A/1152/CD, IEC 61000-3-2/AMD2/FRAG4 ED5: Amendment 2/Fragment 4: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current 16 A per phase), 10/21/2022

Environmental standardization for electrical and electronic products and systems (TC 111)

111/668/CD, IEC 63372 ED1: Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems - Principles, methodologies, requirements and guidance, 10/21/2022

Equipment for electrical energy measurement and load control (TC 13)

13/1869/FDIS, IEC 62052-41 ED1: Electricity metering equipment - General requirements, tests and test conditions - Part 41: Energy registration methods and requirements for multi-energy and multi-rate meters, 09/09/2022

Fibre optics (TC 86)

86B/4627/CDV, IEC 61753-081-02 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments, 10/21/2022

Flat Panel Display Devices (TC 110)

110/1434/CDV, IEC 62908-12-10 ED2: Touch and interactive displays - Part 12-10: Measurement methods of touch displays - Touch and electrical performance, 10/21/2022

Industrial-process measurement and control (TC 65)

65A/1045/CD, IEC 61512-1 ED2: Batch control - Part 1: Models and terminology, 10/21/2022

65E/935/NP, PNW 65E-935 ED1: Identification Link - Part 2: Encoding of product types, lots, batches and characteristics, 10/21/2022

Lamps and related equipment (TC 34)

34A/2295/CD, IEC 60809/AMD1/FRAG1 ED4: Fragment 1 - Amendment 1 - Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements, 10/21/2022

34A/2296/CD, IEC 60809/AMD1/FRAG2 ED4: Fragment 2 - Amendment 1 - Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements, 10/21/2022

34/935/CD, IEC 62386-105 ED2: Digital addressable lighting interface - Part 105: Particular requirements for control gear and control devices - Firmware transfer, 10/21/2022

34A/2294/CD, IEC 63356-1/AMD1 ED1: Amendment 1 - LED light source characteristics - Part 1: Data sheets, 10/21/2022

Methods for the Assessment of Electric, Magnetic and Electromagnetic Fields Associated with Human Exposure (TC 106)

106/576/FDIS, IEC 62232 ED3: Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure, 09/09/2022

Printed Electronics (TC 119)

119/393/CDV, IEC 62899-506-1 ED1: Printed electronics-Part 506-1: Quality assessment- Accelerated stress test of printed heating element, 10/21/2022

Semiconductor devices (TC 47)

47A/1141/CDV, IEC 61967-8 ED2: Integrated circuits - Measurement of electromagnetic emissions - Part 8: Measurement of radiated emissions - IC stripline method, 10/21/2022

Small power transformers and reactors and special transformers and reactors (TC 96)

96/549/FDIS, IEC 61558-2-13 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2 -13: Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications, 09/09/2022

96/548/FDIS, IEC 61558-2-2 ED3: Safety of transformers, reactors, power supply units and combinations thereof - Part 2 -2: Particular requirements and tests for control transformers and power supply units incorporating control transformers, 09/09/2022

Steam turbines (TC 5)

5/254/NP, PNW 5-254 ED1: Rules for steam turbine thermal acceptance tests - Part 4: Routine testing, 10/21/2022

Surface mounting technology (TC 91)

91/1793/CDV, IEC 61249-2-51 ED1: Materials for printed boards and other interconnecting structures - Part 2-51: Reinforced base materials, clad and unclad - Base materials for Integrated Circuit card carrier tape, unclad, 10/21/2022

Other

CIS/B/802/FDIS, CISPR 11 ED7: Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement, 09/09/2022

JTC1-SC41/299/CD, ISO/IEC 30141 ED2: Internet of Things (IoT) - Reference architecture, 09/23/2022

CIS/H/456/CD, IEC 61000-6-3/AMD1/FRAG3 ED3: Amendment 1/Fragment 3: Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments, 10/21/2022

SyCSmartCities/261/CD, IEC SRD 63273-1 ED1: Systems Reference Deliverable (SRD) - Use Case Collection and Analysis: City Information Modelling - Part 1: High Level Analysis, 10/21/2022

JTC1-SC25/3100/CDV, ISO/IEC 14543-4-302 ED1: Information technology - Home Electronic System (HES) architecture - Part-4 -302 Application protocol for electrical storage systems and controllers, 10/21/2022

Ultrasonics (TC 87)

87/798/CDV, IEC 63305 ED1: Underwater Acoustics - Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz, 10/21/2022

Newly Published ISO & IEC Standards

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

ISO Standards

Agricultural food products (TC 34)

ISO 23134:2022, Coffee and coffee products - Determination of particle size of ground roasted coffee - Horizontal sieving motion method using circular brushes, $111.00

Aircraft and space vehicles (TC 20)

ISO 24356:2022, General requirements for tethered unmanned aircraft systems, $73.00

ISO 23629-12:2022, UAS traffic management (UTM) - Part 12: Requirements for UTM service providers, $149.00

Anaesthetic and respiratory equipment (TC 121)

ISO 23368:2022, Anaesthetic and respiratory equipment - Low-flow nasal cannulae for oxygen therapy, $73.00

Biotechnology (TC 276)

ISO 24651:2022, Biotechnology - Biobanking - Requirements for human mesenchymal stromal cells derived from bone marrow, $175.00

Cleaning equipment for air and other gases (TC 142)

ISO 29462:2022, Field testing of general ventilation filtration devices and systems for in situ removal efficiency by particle size and resistance to airflow, $200.00

ISO 16890-2:2022, Air filters for general ventilation - Part 2: Measurement of fractional efficiency and air flow resistance, $225.00

ISO 16890-4:2022, Air filters for general ventilation - Part 4: Conditioning method to determine the minimum fractional test efficiency, $73.00

Dentistry (TC 106)

ISO 21606:2022, Dentistry - Elastomeric auxiliaries for use in orthodontics, $73.00

Fluid power systems (TC 131)

ISO 4405:2022, Hydraulic fluid power - Fluid contamination - Determination of particulate contamination by the gravimetric method, $111.00

Healthcare organization management (TC 304)

ISO 5472:2022, Healthcare organization management - Pandemic response (respiratory) - Walk-through screening station, $111.00

Light gauge metal containers (TC 52)

ISO 5099:2022, Light gauge metal containers - Easy-open ends and peel-off ends - Classification and dimensions, $48.00

Plastics (TC 61)

ISO 5424:2022, Plastics - Industrial compostable plastic drinking straws, $73.00

Road vehicles (TC 22)

ISO 13209-2:2022, Road vehicles - Open Test sequence eXchange format (OTX) - Part 2: Core data model specification and requirements, $250.00

Rolling bearings (TC 4)

ISO 8443:2022, Rolling bearings - Radial ball bearings with flanged outer ring - Flange dimensions, $48.00

Ships and marine technology (TC 8)

ISO 21070:2017/Amd 1:2022, - Amendment 1: Ships and marine technology - Marine environment protection - Management and handling of shipboard garbage - Amendment 1: Updates to classification of garbage, $20.00

Small craft (TC 188)

ISO 12216:2020/Amd 1:2022, - Amendment 1: Small craft - Windows, portlights, hatches, deadlights and doors - Strength and watertightness requirements - Amendment 1, $20.00

Soil quality (TC 190)

ISO 23992:2022, Soil quality - Framework for detailed recording and monitoring of changes in dynamic soil properties, $175.00

ISO 23611-4:2022, Soil quality - Sampling of soil invertebrates - Part 4: Sampling, extraction and identification of soil-inhabiting nematodes, $175.00

Technical drawings, product definition and related documentation (TC 10)

ISO 81346-10:2022, Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 10: Power supply systems, $200.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 4444:2022, Agricultural sprayers - Recording of spray drift parameters, $73.00

Traditional Chinese medicine (TC 249)

ISO 23963-2:2022, Traditional Chinese medicine - Requirements for process traceability system of Chinese materia medica and decoction pieces - Part 2: Electronic labelling, $48.00

Water re-use (TC 282)

ISO 24297:2022, Guidelines for treatment and reuse of leachate from municipal solid waste (MSW) incineration plants, $175.00

ISO 24416:2022, Water reuse in urban areas - Guidelines for water reuse safety evaluation - Stability evaluation of reclaimed water, $175.00

ISO/IEC JTC 1 Technical Reports

ISO/IEC TR 19583-21:2022, Information technology - Concepts and usage of metadata - Part 21: 11179-3 Data model in SQL, $225.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 12113:2022, Information technology - Runtime 3D asset delivery format - Khronos glTF™ 2.0, $250.00

ISO/IEC/IEEE 8802-11:2022, Telecommunications and information exchange between systems - Specific requirements for local and metropolitan area networks - Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications, $250.00

IEC Standards

Electrical equipment in medical practice (TC 62)

IEC 60601-2-45 Amd.2 Ed. 3.0 b:2022, Amendment 2 - Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices, $51.00

IEC 60601-2-45 Ed. 3.2 b:2022, Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices, $633.00

Meeting Notices (International)

ANSI Accredited U.S. TAG to ISO

New INCITS Technical Committee on Brain-Computer Interfaces (BCI) – US TAG to JTC 1/SC 43 – Brain-Computer Interfaces

Organizational Meeting – August 29, 2022

Meeting Notice and Call for Members for the New INCITS Technical Committee on Brain-Computer Interfaces (BCI) – US TAG to JTC 1/SC 43 – Brain-Computer Interfaces

Organizational Meeting – August 29, 2022. The organizational meeting of INCITS/Brain-Computer Interfaces (BCI) will be held electronically via Zoom on August 29, 2022 (1:00 PM to 4:00 PM (Eastern) / 10:00 AM to 1:00 PM (Pacific)). The agenda, related documents and instructions for joining the Zoom meeting will be distributed by July 15 to organizational representatives that have requested membership on the new committee. RSVPs for the meeting should be submitted to Rachel Porter (rporter@itic.org) as soon as possible.

Background on Establishment of INCITS/Brain-Computer Interfaces – At the January 2022 INCITS Executive Board meeting, a new Technical Committee (TC), INCITS/Brain-Computer Interfaces (BCI), was established contingent upon approval of the establishment of JTC 1 Subcommittee 43 – Brain-Computer Interfaces. The TC will serve as the US TAG to JTC 1 Subcommittee 43 – Brain-Computer Interfaces:

Scope: Standardization in the area of Brain-computer Interfaces (BCI) for information technology to enable communication and interaction between brain and computers that are applicable across application areas.
· Serve as the focus and proponent for JTC 1's standardization programme on BCI, including the development of foundational standards.
· Provide guidance on Brain-computer Interfaces to JTC 1, IEC, ISO and other entities developing applications of BCI.

Excluded: standards for human implants and medical applications.

The committee will operate under the USNC-accredited procedures for the InterNational Committee for Information Technology Standards (INCITS) (see INCITS Organization, Policies and Procedures - Annex A, Policies and Procedures for USNC Technical Advisory Groups (TAGs) to ISO/IEC JTC 1. Additional information can also be found at http://www.INCITS.org, http://www.incits.org/participation/membership-info and http://www.incits.org/participation/apply-for-membership.

The complete meeting notice and membership information can be found at https://standards.incits.org/apps/group_public/document.php?document_id=143629&wg_abbrev=eb.

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

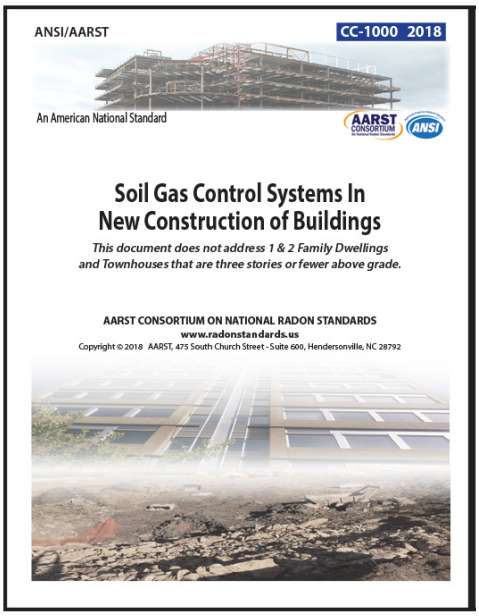
The USA Inquiry Point for the WTO TBT Agreement is located at the National Institute of Standards and Technology (NIST) in the Standards Coordination Office (SCO). The Inquiry Point distributes the notified proposed foreign technical regulations (notifications) and makes the associated full-texts available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

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

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

CC-1000 Updates 9/22

Soil Gas Control Systems in New Construction of Buildings



Read me

This proposed revision addresses testing for soil gas entry of chemical vapors or other hazardous soil gases as a performance metric after completing construction and OM&M reporting, in accordance with CC-1000, for multifamily, school, commercial and mixed-use buildings. This revision is part of continuous maintenance efforts to harmonize and update AARST CCAH, RRNC and CC-1000 standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conductive to stakeholders who are involved in compliance assessment.

A link to receive future public review notices and bylaw procedures for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review.

Public Review: CC-1000 Updates 9-22

COMMENT DEADLINE: **September 4th, 2022**

REQUESTED PROCESS AND FORM FOR FORMAL PUBLIC REVIEW COMMENTS

Submittals (MS Word preferred) may be attached by email to StandardsAssist@gmail.com

1) Do not submit marked-up or highlighted copies of the entire document.

2) If a new provision is proposed, text of the proposed provision must be submitted in writing. If modification of a provision is proposed, the proposed text must be submitted utilizing the strikeout/underline format.

3) For substantiating statements: Be brief. Provide abstract of lengthy substantiation. (If appropriate, full text may be enclosed for project committee reference.)

AARST Consortium on National Radon Standards

Website: www.standards.aarst.org Email: StandardsAssist@gmail.com

527 N Justice Street, Hendersonville, NC 28739

The Consortium Consensus Process

The consensus process developed for the AARST Consortium on National Radon Standards and as accredited to meet essential requirements for American National Standards by the American National Standards Institute (ANSI) has been applied throughout the process of approving this document.

Continuous Maintenance

This standard is under continuous maintenance by the AARST Consortium on National Radon Standards for which the Executive Stakeholder Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard.

User Tools: User tools are posted online (www.standards.aarst.org/public-review) as they become available (such as templates for field notices, inspection forms, interpretations and approved addenda updates across time).

Notices

Notice of right to appeal: Bylaws for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review. Section 2.1 of Operating Procedures for Appeals (Appendix B) states, "Persons or representatives who have materially affected interests and who have been or will be adversely affected by any substantive or procedural action or inaction by AARST Consortium on National Radon Standards committee(s), committee participant(s), or AARST have the right to appeal; (3.1) Appeals shall first be directed to the committee responsible for the action or inaction."

Commentary/Rationale: The proposed addition is a result of efforts to more closely harmonize with other AARST standards and other standards related soil gas entry of chemical vapors or other hazardous soil gases and reporting of both radon and soil gas evaluations in OM&M records.

SECTION 10: COMPLETION OF SYSTEMS

10.3 Performance testing

10.3.2 *Soil gases of concern*

Where the purpose of the system design includes protection against indoor exposure to chemical vapors or other hazardous soil gas, the building shall be evaluated, postconstruction, for soil gas concentrations below slabs or soil gas retarders, or in indoor air. Where test results below slabs or soil gas retarders are greater than the action level established by the jurisdiction having authority, indoor air testing shall be conducted to evaluate if further action is needed. All testing shall be conducted using methods approved by the jurisdiction having authority. Where testing results do not meet mitigation goals, further action and follow-up testing shall be required until mitigation goals are met.

10.3.3 Performance test reports

Reports to be provided in the OM&M manual described in Section 12.2 shall include:

a) Results of evaluations that indicate effectiveness, and as applicable

b) Indoor air concentration measurement reports with results less than the national action level.

BSR/ASHRAE/IES Addendum c
to ANSI/ASHRAE/IES Standard 202-2018

Public Review Draft

Proposed Addendum c to Standard 202-2018, Commissioning Process for New Buildings and New Systems

First Public Review (August 2022)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

180 Technology Parkway NW, Peachtree Corners, GA 30092

(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

This proposed addendum adds ongoing commissioning requirements related to new construction.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum c to Standard 202-2018

Modify Section 6 as follows. The remainder of Section 6 remains unchanged.

6. OWNER'S PROJECT REQUIREMENTS

[…]

6.2 Requirements

[…]

6.2.3 The OPR document shall address the following for the commissioned systems:

[…]

f. Ongoing Cx scope and requirements where required by Owner or by code

g~~f~~. Equipment, systems and assemblies requirements, expectations, and warranty provisions

h~~g~~. Maintainability, access, and operational performance requirements

i~~h~~. Installation evaluation and testing requirements

j~~i~~. Project documentation, Cx Progress Reports, Systems Manual requirements and formats

k~~j~~. Training requirements for Owner's operations and maintenance (O&M) personnel, emergency response personnel, and occupants, including level of training required, qualifications of trainers, and documentation requirements

l~~k~~. Designer Basis of Design (BoD) milestone submission requirements

~~l. Applicable codes and standards in addition to local building codes~~

[…]

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. COMMISSIONING PROCESS PLAN

[…]

7.2 Requirements

[…]

7.2.3 The Cx Plan shall include the following information:

[…]

k. List of Ongoing Cx activities

Modify Section 16 as follows. The remainder of Section 16 remains unchanged.

16. POST_OCCUPANCY OPERATION

16.1 Introduction. Post_occupancy operation commissioning, including delayed and seasonal testing and warranty issues, shall be provided prior to the time of warranty completion to deliver buildings and construction projects that meet the Owner's needs. The post_occupancy operations Cx Activities begin at substantial completion. Ongoing Cx shall also occur in this same time period where required in the OPR and as described in the Cx Plan.

16.2 Requirements

[…]

16.2.5 Ongoing Cx Activities shall be executed according to the Ongoing Cx Plan as required in the OPR. If modifications to the OPR occur during the warranty phase, a CFR shall be developed.

[…]

Renumber subsequent subsections accordingly.

BSR/ASHRAE/IES Addendum d
to ANSI/ASHRAE/IES Standard 202-2018

Public Review Draft

Proposed Addendum d to Standard 202-2018, Commissioning Process for New Buildings and New Systems

First Public Review (August 2022)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

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180 Technology Parkway NW, Peachtree Corners, GA 30092

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FOREWORD

This proposed addendum adds additional clarity to construction phase activity requirements.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum d to Standard 202-2018

Modify Section 12 as follows. The remainder of Section 12 remains unchanged.

12. CONSTRUCTION OBSERVATION AND TESTING

[…]

12.2.6 Site Visits

a. Site visits are a required method used during the Construction Phase to verify that the installed systems and assemblies comply with the OPR.

b. A clear, concise, and consistent procedure shall be developed as part of the Cx Plan and followed for each site visit to properly identify Construction Phase process problems and issues.

c. The final Cx Report shall include a summary of all site visit reports.

[…]

Tracking Number 49i128r1
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Revision to NSF/ANSI 49-2020
Issue 128, Revision 1 (July 2022)

[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 Biosafety Cabinetry —

Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

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Normative Annex 1
(formerly Annex A)

Performance tests

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N-1.2 HEPA/ULPA filter leak test

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N-1.2.3.1 Filters that can be scanned

a) Turn on the cabinet blower and lights (Types A1, A2 and B2 – downflow filter test). Remove filter diffusers and protective covers if they are present. Place the generator so the aerosol is introduced into the cabinet, as specified by the manufacturer, to provide uniform distribution upstream of the HEPA/ULPA filter. ~~When the manufacturer has not identified the aerosol introduction point(s), introduce the aerosol in such a manner as to ensure thorough mixing in the cabinet airflow. For example, a T connection can be fitted to the aerosol generator output to enable distribution of challenge into both entrances of a single blower, or entrances of multiple blowers.~~ The manufacturer shall determine the aerosol introduction location and method ~~point~~ that provides the most uniform distribution (reference IEST-RP-CC-034).[1] The location of the aerosol introduction point shall be clearly described or indicated in a manner readily viewable ~~available~~ to the certifier. ~~The location should be described either on the cabinet data plate or with the electrical schematic if the schematic is affixed to the cabinet.~~

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N-1.2.3.2 Filters that cannot be scanned

~~When a cabinet is ducted so that the exhaust filter cannot be scanned, it may be leak tested by drilling a hole approximately 0.3 inch (8 mm) in diameter in the duct at a downstream location that will produce a well-mixed aerosol, and inserting the photometer sampling probe with rigid extension tubing through the hole.~~

[1] *HEPA/ULPA and ULPA Filter Leak Tests*, Institute of Environmental Sciences and Technology. 940 East Northwest Highway, Mount Prospect, IL 60056. <www.iest.org>

When an exhaust filter cannot be scanned, the manufacturer shall determine the aerosol introduction point that provides the most uniform distribution (reference IEST-RP-CC-034).[25] The location of the aerosol introduction point shall be clearly described or indicated in a manner readily viewable to the certifier. If a downstream sampling probe location is not provided by the manufacturer, a hole approximately 0.3 inch (8 mm) in diameter can be drilled in the exhaust ductwork that will produce a well-mixed aerosol. Insert the photometer sampling probe with rigid extension tubing through the hole to identify filter leaks.

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Normative Annex 5
(formerly Annex F)

Field tests

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N-5.5 HEPA/ULPA filter leak test

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N-5.5.3.1 Filters that can be scanned

a) Turn on the cabinet blower and lights (Types A1 and A2 and B2 downflow filter test). Remove the filter diffusers and protective covers if any are present. Place the generator as described by the manufacturer so the aerosol is introduced into each cabinet fan upstream of the HEPA/ULPA filter(s). When the manufacturer has not identified the aerosol introduction point(s), introduce the aerosol in a manner to ensure thorough mixing in the cabinet airflow. For example, a T-connection can be fitted to the aerosol generator output to enable distribution of challenge into both entrances of a single blower or entrances of multiple blowers. The manufacturer shall determine the aerosol introduction location and method ~~point~~ that provides the most uniform distribution. For cabinets listed prior to NSF/ANSI 49-2022, a T-connection can be fitted to the aerosol generator output to enable distribution of challenge into both entrances of a single blower, or entrances of multiple blowers.

***Rationale**: This revised language clarifies the importance creating a uniform aerosol distribution during the HEPA filter integrity testing.*

Tracking number 332i11r1
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Revision to NSF/ANSI 332-2015
Issue 11, Revision 1 (July 2022)

[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 *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Sustainability –

Sustainability Assessment for Resilient Floor Coverings

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Foreword

This American National Standard, NSFI/ANSI 332 Sustainability Assessment for Resilient Floor Coverings has been developed as part of the ongoing efforts of interested parties to assess the sustainability initiatives of the resilient floor covering industry. Stakeholders involved in developing the standard included resilient floor covering manufacturers, end users including consultants and certifiers, federal and state environmental agencies, academics, and non-governmental organizations.

The purpose of the Sustainability Assessment for Resilient Floor Coverings standard is to provide information that is verifiable, accurate, and not misleading about the Environmental Impacts, Health and Wellness Impacts, and Social Impacts of resilient floor coverings. Products certified to this standard for Level 1 certification are required to meet all Level 1 criteria in each of the three categories. Products certified to this standard for Level 2 meet all of the criteria for Level 1, as well as have optional criteria with minimum requirements for each of the three categories. See Section 4 *Conformance, evaluation, and assessment criteria* for additional information.

The intent of this standard is to encourage reduction in impacts by disclosing and measuring inputs with the goal of using this information to reduce Environmental, Health and Wellness, and Social Impacts. Measuring inputs and disclosing information provides manufacturers with a basis for establishing internal benchmarks and goals of continuously reducing impacts.

As used in this standard, “resilient floor coverings” include, but are not limited to, vinyl tile, luxury vinyl tile, rigid core tile, solid vinyl tile, vinyl composition tile, heterogeneous and homogeneous sheet vinyl, rubber flooring, polymeric flooring, linoleum flooring, and cork flooring. The standard is applicable to products manufactured in one facility or multiple facilities, one country or multiple countries.

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1.0 General

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1.2 Scope

As used in this standard, “resilient floor coverings” include, but are not limited to, vinyl tile, luxury vinyl tile, rigid core tile, solid vinyl tile, vinyl composition tile, heterogeneous and homogeneous sheet vinyl, rubber flooring, polymeric flooring, linoleum flooring, and cork flooring. Also included are flooring accessories such as wall base, moldings, and stair treads.

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7.0 Social Impacts

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7.2.1 Community outreach program

Community outreach program involvement ~~policy~~ that demonstrates positive social outreach; including but not limited to provision of local employment opportunities and involvement in civic activities that support the surrounding community. Community Outreach Program documentation is required to be publicly posted.

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7.3.1 Organization seeking certification demonstrates the organization has completed a company-wide assessment (full impact report) of its Social ~~and environmental~~ Impacts using the B Impact Assessment Tool. <app.bimpactassessment.net>

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7.5.1.1 Community outreach program

Community outreach program involvement ~~policy~~ that demonstrates positive social outreach; including but not limited to provision of local employment opportunities and involvement in civic activities that support the surrounding community.

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7.5.2.1 Community outreach program

Community outreach program involvement ~~policy~~ that demonstrates positive social outreach; including but not limited to provision of local employment opportunities and involvement in civic activities that support the surrounding community.

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[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 *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
for Sustainability –

Sustainability Assessment for Resilient Floor Coverings

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2.0 Normative references

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ASQ/ANSI/ISO 26000-2010, *Guidance on Social Responsibility ~~Standard~~*

ASTM D6400-~~19~~ 21, *Standard Specification for Labeling of Plastics Designed to be Aerobically Composted in Municipal or Industrial Facilities*

ASTM E3182-2120, *~~Standard Practice for Rubber – Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets~~ Standard Practice For Preparing An Occupant Exposure Screening Report (OESR) For Substances In Installed Building Products*

ASTM E662-21ae1, *Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials*

ASTM F1303-04 (~~2014~~ 2021), *Standard Specification for Sheet Vinyl Floor Covering with Backing*

ASTM F1344-~~15~~21a, *Standard Specification for Rubber Floor Tile*

ASTM F3008-13 (~~R~~2020), *Standard Specification for Cork Floor Tile*

ASTM F3009-14 (~~R~~2018), *Standard Specification for Polyolefin Composition Floor Tile*

ASTM F3401-~~19~~14 (2019), *~~Standard Test Method for Wax Binder Removal from Equestrian Synthetic Track Surfaces~~ Standard Specification for Bonded Rubber Crumb Floor Coverings*

BS EN 15804:2012+A2:2019, *Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products*

ISO 14044:2006, *Environmental management – Life cycle assessment – Requirements and guidelines*

ISO 21930:2017, *Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services*

~~Minnesota Pollution Control Agency, *Design for the Environment ToolKit*~~

RC14001®, *Responsible Care Management System*

SA8000®, *Social Accountability SA8000® Standard*

U.S. EPA*, Safer Choice and Design for the Environment Programs*

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3.10 resilient floor covering: A floor surfacing material made in sheet or tile form, or formed in place as a seamless material that has wearing surface that is not textile, and excludes pourable non-linoleum flooring. Examples of resilient floor coverings include, but are not limited to, vinyl tile, luxury vinyl tile, rigid core tile, solid vinyl tile, vinyl composition tile, heterogeneous and homogeneous sheet vinyl, rubber flooring, polymeric flooring, ~~and~~ linoleum flooring, and cork flooring products. Also included are flooring accessories such as wall base, moldings, and stair treads.

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4.0 Conformance, evaluation, and assessment criteria

Compliance requires all Level 1 criteria to be met for a product to be Level 1 certified.

Level 2 compliance requires all Level 1 criteria have been met, in addition to the following:

— Environmental Impacts: compliance with three (3) criteria chosen by organization seeking certification and/or product manufacturer.

— Health and Wellness Impacts: compliance with two (2) criteria chosen by organization seeking certification and/or product manufacturer.

— Social Impacts: compliance with three (3) criteria chosen by organization seeking certification and/or product manufacturer.

— Compliance with one (1) additional criteria from any impact category organization seeking certification and/or product manufacturer.

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4.2.3 ~~Product use phase~~ Manufacturing practices

— ~~Complete documentation of anticipated product service life based upon intended application and use.~~ Complete documentation of environmental management system, management plans, and procurement practices.

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I-1.3.1 Marking of certified product(s)

The certifying organization should specify requirements for marking of certified products. Requirements for product(s) marking should include, at a minimum:

— certified products should bear a registered certification mark of the certifying organization; and

— each product(s) should bear a statement of achievement status (e.g., ~~silver, gold~~ Level 1, Level 2).

Tracking #50i191r1

Revision to NSF/ANSI/CAN 50-2021
Issue 191, Revision 1 (July 2022)

[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 *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI/CAN Standard
for Recreational Water Facilities —

Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities

Evaluation criteria for materials, components, products, equipment, and systems for use at recreational water facilities

-
-
-

6 Filters

6.1 General

The requirements in this section apply to filters for use in the recreational water industry. These include but are not limited to:

- diatomite-type;
- sand-type;
- cartridge-type;
- high-permeability-type; ~~and~~
- precoat-type (diatomite-type) filters;
- membrane-type, and
- ultrafiltration-type filters.

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6.1.8 Cleaning of filter media

The cleaning of filter media in accordance with the manufacturer's instructions shall render the filter media and elements free of visible dirt and debris. For precoat type filters, this shall be checked by a visual inspection of the internals of the filter after soiling per Annex N-2, Section N-2.4 and cleaning in accordance with the manufacturer's instructions, but prior to reintroduction of any filtration media. Inspection may be carried out via disassembly of the filter housing or another suitable means agreed upon by the filter manufacturer and laboratory.

Tubular up-flow regenerative precoat-media type filters shall be inspected for residual precoat media between adjacent elements near the mounting surface of the elements and shall have an average depth not exceeding 5% of the total length of the element, rounded up to the nearest 1/4 in, that extends beyond the mounting surface support plate.

For constant flux systems, t~~T~~he head loss through the filter after cleaning the media shall not exceed 150% of the initial head loss through the filter. The head loss through the filter after cleaning shall not exceed the manufacturer's maximum design head loss. For constant pressure systems, the indicated flow after cleaning shall not be less than 81.6% of the initial indicated flow. The flow through the filter after cleaning shall not be less than the manufacturer's minimum design flow rate.Testing shall be conducted in accordance with Section N-2.4.

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Normative Annex 2

(formerly Annex B)

Test methods for the evaluation of filters

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N-2.4.5 Acceptance criteria

The filter media or nonregenerative precoat elements shall be visibly free of soil, organics, and filter aid. Regenerative media precoat elements shall be visibly free of soil and organics with any residual precoat media between adjacent elements near the mounting surface of the elements not exceeding an average 5% depth of the total length of the element, rounded up to the nearest 1/4 in, that extends beyond the mounting surface support plate. For membrane filter systems, the flow at the specified operating pressure shall be at least 81.6% of the flow of the clean membrane flow rate, and not less than the minimum designed flow rate as determined by the manufacturer. The head loss through the filter after cleaning or replacing the filter aid shall not exceed 150% of the initial head loss through the filter as determined in accordance with Section N-2.3.

UL 448A, Standard for Safety for Flexible Couplings and Connecting Shafts for Stationary Fire Pumps

1. Editorial revisions: Referenced Publications, Components Section

PROPOSAL

2 Components

~~2.1 Except as indicated in 2.2, a component of a product covered by this standard shall comply with the requirements for that component.~~

~~2.2 A component is not required to comply with a specific requirement that:~~

~~a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or~~

~~b) Is superseded by a requirement in this standard.~~

~~2.3 A component shall be used in accordance with its rating established for the intended conditions of use.~~

~~2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.~~

2.1 A component of a product covered by this Standard shall:

a) Comply with the requirements for that component as specified in this Standard;
b) Be used in accordance with its rating(s) established for the intended conditions of use; and

c) Be used within its established use limitations or conditions of acceptability.

2.2 A component of a product covered by this Standard is not required to comply with a specific component requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product;

b) Is superseded by a requirement in this Standard; or

c) Is separately investigated when forming part of another component, provided the component is used within its established ratings and limitations.

2.3 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

2.4 A component that is also intended to perform other functions such as overcurrent protection, ground-fault circuit-interruption, surge suppression, any other similar functions, or any combination thereof, shall comply additionally with the requirements of the applicable standard(s) that cover devices that provide those functions.

4 ~~Undated References~~Referenced Publications

4.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

4.2 The following publications are referenced in this Standard:

AGMA 922-A96, *Load Classification & Service Factors for Flexible Coupling*

ASTM E145, *Standard Specification for Gravity-Convection and Forced-Ventilation Ovens*

ISO 21940-11, *Mechanical vibration — Rotor balancing — Part 11: Procedures and tolerances for rotors with rigid behaviour*

NFPA 20, *Installation of Stationary Pumps for Fire Protection*

6.1 A flexible coupling or flexible connecting shaft shall comply with the applicable requirements of ~~the Standard for the Installation of Stationary Pumps for Fire Protection,~~ NFPA 20.

14.2 Representative polymeric coupling and coupling part samples are to be supported in a circulating-air oven that has been preheated to the exposure test temperature. Samples are not to touch one another or the sides of the oven. The samples of polymeric coupling and coupling parts are to be aged for the required time period and then allowed to cool in air at 73.4 ±3.6°F (23.0 ±2.0°C) for at least 24 hours before conducting any tests. The oven used for the accelerated aging is to be a Type IIA oven as in ~~the Standard for Gravity-Convection and Forced-Ventilation Ovens,~~ ASTM E145~~-2011~~.

15.2 Each flexible connecting shaft shall be dynamically balanced to the G16 balance quality grade in accordance with the requirements for flexible connecting shafts in the most recent edition of ~~the Standard for Mechanical Vibration - Balance Quality Requirements of Rigid Rotors, Part 1: Specification and Verification of Balance Tolerances,~~ ISO 21940-11.

17.1 A copy of the installation and design instructions shall be provided for use as a guide in the examination and testing of flexible couplings or flexible connecting shaft.

17.2 The installation instructions shall reference the information required for the proper installation of the flexible couplings or flexible connecting shaft and shall include at least the following items:

a) Model designation;

b) Information on intended shaft size and dimensional compatibility;

c) Minimum (flexible couplings only) and maximum torque rating or ratings, and formula for determining the correlated horsepower;

d) Information indicating that the flexible coupling or flexible connecting shaft shall be selected based on the rating of the driver and not the pump;

e) Information on the application of service factors to the calculated application torque as specified by the manufacturer, but no less than those referenced in Table 17.1 with an indication that the calculated end use torque, as adjusted by the service factor, is not to exceed the maximum torque rating;

f) Maximum speed in rpm;

g) Weight;

h) Dimensions;

i) Maximum permitted angular and parallel misalignment;

j) Maximum and minimum gap between shaft hubs (flexible couplings only);

k) Minimum and maximum installed length (flexible connecting shafts only);

l) The name of the manufacturer or private labeler, or equivalent designation;

m) Step-by-step instructions for field installation including the use of supplied fasteners, bolting torque values, lubrication;

n) Recommendation for a torsional analysis to be conducted on the actual drive system arrangement;

o) Instructions for maintenance;

p) Type of driver intended for use with the coupling (electric motor or engine, or both electric motor and engine); and~~;~~

q) Reference to installation in accordance with ~~Standard for Installation of Stationary Pumps for Fire Protection,~~ NFPA 20.

Table 17.1

Service factors for determining application torque

Driver type			
Load type	**Electric motor**	**Diesel engine - 5 or less cylinders**	**Diesel engine - 6 or more cylinders**
Centrifugal Pump	1.00	2.00	1.50
Reciprocating Pump - Double Acting	2.00	3.00	2.50
Reciprocating Pump - 1 or 2 Cylinders	2.25	3.25	2.75
Reciprocating Pump - 3 or more cylinders	1.75	2.75	2.25
Rotary - gear, lobe or vane	1.50	2.50	2.00
Note - The service factors for the load type specified in this Table are referenced in ~~*the Load Classification and Service Factors for Flexible Couplings Information Sheet,*~~ *AGMA 922-A96* ~~*published by the American Gear Manufacturers Association*~~.			

BSR/UL 796, Standard for Safety for Printed Wiring Boards

1. Clarify Sections 12.1 and 12.2 Manufacturing Process Temperatures at 100°C

PROPOSAL

Table 22.3
Test Program for Solder Shock, Solder Reflow, or Process Step Over Max Operating Temperature

	Testing			
Variation	**Bond strength**	**Delamination and blistering**	**Flame**	**UL 796 reference**
Adding solder reflow	X	X	X	12.1.6
Increase reflow time and/or temperature	X	X	X	12.1.6
Increase solder shock time and/or temperature	X	X	X	26.4
Adding or increasing process step involving temperature <u>is equal to or</u> above 100°C or <u>above</u> the maximum operating temperature of the board, whichever is greater	X	X	X	12.1.6

2. Clarify Section 23 Test Sample Pattern Description

23.2 A representative conductor pattern for a test sample is shown in Figure 10.1 and Figure 10.3. Annex A includes examples of sample construction cross sections. Figure A.2 – Figure A.8 are examples of the typical Flammability sample construction cross sections. Figure A.9 – Figure A.15 are examples of the typical Bond Strength and Delamination sample construction cross sections. Figure A.1 cross sections “b” and “c” are referenced in these figures to help explain the multilayer constructions.

<u>j) The samples shall be provided with embedded components if embedded components are intended in production</u>

3. Update Figure 24.1 to Align with UL 796F

Figure 24.1

Measuring Conductor Trace Average Width (Top-View)

S5083

Figure 24.2

Measuring Conductor Trace Average Width (Side-View)

S5082

Figure 24.3

Measuring Conductor Trace Average Width (Side-View)

S5084

BSR/UL 2075, Standard for Safety for Gas and Vapor Detectors and Sensors

1. Unconditioned Areas

PROPOSAL

1.1 This standard applies to fixed, portable and transportable toxic and combustible gas and vapor detectors and sensors intended for use in ordinary (non-hazardous) locations for use in indoor~~,~~ or unconditioned areas~~spaces, or outdoor locations~~.

~~3.7 LIMITED OUTDOOR ENVIRONMENT – An ambient air environment that is not climate controlled and is not in direct contact with the elements of nature, such as wind, rain, sleet or snow. Examples of limited outdoor environments include parking garages, construction complexes, sports venues, boats and recreational vehicles.~~

3.16A UNCONDITIONED AREA – Partially or fully enclosed spaces without continuous climate controls where devices are not in direct contact with elements of weather and where an individual spends time (Examples include parking garages, attached garages, crawl spaces and attics associated with a family living unit, cottages and cabins with combustible fuel appliances and/or fireplaces, barns, etc.)

45.2.1 An alarm, detector or control system (if applicable) intended for use in an unconditioned area~~a limited outdoor environment~~ shall operate as intended and shall not false alarm after exposure for 48 hours to a salt spray in accordance with the procedure specified in the Standard Practice for Operating Salt Spray (Fog) Apparatus~~Testing~~, ASTM B117~~-85~~.

50.1 General

50.1.1 A product shall be plainly and permanently marked with the following information, where it shall be visible after installation. Portable instruments that are available with carrying cases shall be marked with the information necessary for the proper operation and understanding of all visual or audible signals. Sensors, sensor packaging or a combination of both shall include the marking information outlined in 50.1.1 (a), (b), and (d).

a) Name or trademark (registered) of manufacturer;

b) Model number or other designation method determined to be equivalent;

c) Electrical rating, in volts, amperes, or watts, and frequency for a cord-connected appliance;

d) Date of manufacture by week, month, or quarter and year (abbreviations are not forbidden when an established or otherwise traceable code or serial number is employed);

e) Type of signaling device;

f) Each light, switch, meter, and similar component shall have a marking adjacent to the component to indicate the intended function;

g) Reference to an installation document, when not attached to the unit, by drawing number and issue date and/or revision level;

h) For cord-connected emergency signaling products the following, or other wording that has been determined to be equivalent, shall be marked on the product "Do Not Connect To A Receptacle Controlled By A Switch";

i) The identification of primary batteries by part number, manufacturer model number, or equivalent located adjacent to the component;

j) For a primary battery-operated product, the word "WARNING" and the equivalent shall be included on the unit "Use Only Batteries Specified in Marking. Use Of A Different Battery May Have A Detrimental Effect On Product Operation";

k) With regard to the requirement in 9.8, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Unit is Non-Operational". Letters shall be in a contrasting color and visible from 6 feet (1.83 m);

l) With regard to the requirement in 9.9, a warning flag, hinged cover (inside or outside), or equivalent, shall be marked with the word "WARNING" and the following or equivalent text: "Battery Has Been Removed". Letters shall be in a contrasting color and visible from 6 feet (1.83 m);

m) The sensitivity setting for a device having a fixed setting. When the device is intended to be adjusted in the field, the range of sensitivity shall be indicated. The marked sensitivity shall be indicated in PPM, percent or percentage of LEL~~.~~; and

n) For products intended for use in unconditioned areas, “Unconditioned Area Gas Detector” or equivalent.

2. NFPA 720 Reference

PROPOSAL

49.1 Go/No-Go field test (carbon monoxide detectors)

49.1.1 Two detectors shall be energized with their rated voltage and operate at their intended signaling performance. The detectors shall be subjected to X number of the manufacturer’s recommended go/no-go field test. The number of go/no-go field tests is determined using the following calculation:

$$X = (A \times B)2.5$$

in which:

A = Sensor life (years) as stated by the manufacturer.

B = The number of tests the sensor is to be subject to annually (as required by NFPA 72~~0~~ or as recommended by the manufacturer, whichever is worst case).

X = Number of go/no-go test gas concentration exposures the product is to be subject to.