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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 Calloway <ambria.frazier@x9.org> | 275 West Street, Suite 107 | Annapolis, MD 21401 www.x9.org

National Adoption

BSR X9.97-1-202x, Financial services - Secure cryptographic devices (retail) - Part 1: Concepts, requirements and evaluation methods (identical national adoption of ISO 13491 part 1 and revision of ANSI X9.97-1-2024)
Stakeholders: SCD vendors, Transaction processing hosts, Key loading facilities, Networks, PCI SSC

Project Need: This standard is needed to strengthen the security requirements as outlined in ISO 13491 part 1.

Interest Categories: Consumer, Producer, General Interest

X9.97 specifies the requirements for Secure Cryptographic Devices which incorporate the cryptographic processes defined in ISO 9564, ISO 16609 and ISO 11566. Has two primary purposes: (1) to state the requirements concerning both the operational characteristics of SCDs and the management of such devices throughout all stages of their life cycle; (2) to standardize the methodology for verifying compliance with those requirements.

ASC X9 (Accredited Standards Committee X9, Incorporated)

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National Adoption

BSR X9.97-2-202x, Secure cryptographic devices (retail) - Part 2: Secure compliance checklists for devices used in financial transactions (identical national adoption of ISO 13491 part 2 and revision of ANSI X9.97-2-2024)
Stakeholders: SCD vendors, Transaction processing hosts, Key loading facilities, Networks, PCI SSC

Project Need: This standard is needed to evaluate secure cryptographic devices (SCDs) incorporating cryptographic processes and strengthen the security in ISO 13491 part 2.

Interest Categories: General Interest, Producer, Consumer

This part specifies checklists to be used to evaluate secure cryptographic devices (SCDs) incorporating cryptographic processes, as specified in parts 1 and 2 of ISO 9564, ISO 16609, and parts 1-6 of ISO 11568, in the financial services environment. This part does not address issues arising from the denial of service of an SCD.

AWWA (American Water Works Association)

Madeline Rohr <mrohr@awwa.org> | 6666 W. Quincy Avenue | Denver, CO 80235 www.awwa.org

New Standard

BSR/AWWA B1RI-202x, Regenerable Ion Exchange Treatment (new standard)
Stakeholders: Drinking water treatment and supply industry. Water utilities, consulting engineers, regulators, water treatment equipment manufacturers, etc.

Project Need: Ion exchange has been used successfully around the country and the world for many years for the removal of undesirable anions or cations and as a treatment technique is increasing in use to address many constituents. AWWA completed a standard for Single-Use Ion Exchange Treatment for Trace Contaminant Removal and is requesting a second standard for regenerable ion exchange treatment to aid water purveyors, design engineers and treatment staff with resin selection, resin storage, vessel loading rates, resin and vessel disinfection, constituent removal rates and performance, resin regeneration chemicals and techniques (salt, acid, base, etc.).

Interest Categories: Producer, General Interest, User

This standard describes ion exchange (IX) resin for water supply service applications and the requirements of the equipment used in water treatment to remove target constituents such as nitrate, hexavalent chromium, softening, iron, manganese, radium, uranium, arsenic, etc., for potable water treatment applications with regenerable ion exchange resin (resin regenerated or fluidized bed.) It discusses the design of regenerable ion exchange resin system equipment, requirements for the ion exchange material, and startup and troubleshooting.

AWWA (American Water Works Association)

Madeline Rohr <mrohr@awwa.org> | 6666 W. Quincy Avenue | Denver, CO 80235 www.awwa.org

New Standard

BSR/AWWA C5ZZ-202x, Triple Offset Butterfly Valves (new standard)
Stakeholders: Drinking water treatment and supply industry and plumbing industry. Water utilities, consulting engineers, water treatment equipment manufacturers, etc.

Project Need: Triple offset butterfly valves are not adequately covered in current AWWA standards for valves. This standard is needed to cover the distinct differences compared to AWWA single and double offset valves covered in AWWA C519. Primary differences include materials, pressure classes and laying lengths.

Interest Categories: User, Producer, General Interest

This standard describes minimum requirements for triple offset butterfly valves, with various body and end types, for raw water, potable water, and reclaimed water, and wastewater having a pH range from 6 to 12 and a temperature range from 33 to 125 degrees F (0.6 to 51.6 degrees C).

AWWA (American Water Works Association)

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Addenda

BSR/AWWA C651a-202x, Addendum to AWWA C651, Disinfection of Water Mains (addenda to ANSI/AWWA C651 -2023)
Stakeholders: Drinking water treatment and supply industry and plumbing industry. Water utilities, consulting engineers, water treatment equipment manufacturers, plumbing engineers, plumbing contractors, etc.

Project Need: AWWA C651, Disinfection of Water Mains and C652, Disinfection of Storage Facilities are referenced in some plumbing codes and are often specified in construction documents for disinfection of building potable water systems. However, these Standards are not intended or appropriate for building potable water systems. Thus, the purpose of this addenda is to add recommended procedures for the process of preparing and disinfecting new and repaired building potable water systems within the existing AWWA C651 standard.

Interest Categories: User, Producer, General Interest

This Addendum will describe procedures for disinfecting building potable water plumbing in new or repaired systems, prior to beneficial occupancy and is not intended to be applied as a remedial disinfection procedure for any building. It will cover minimum recommendations for the preparation and flushing of building potable water systems, application of chemical disinfectants, chemical disinfectant testing, and microbiological validation.

HL7 (Health Level Seven)

Lynn Laakso <lynn@hl7.org> | 455 E. Eisenhower Parkway, Suite 300 #025 | Ann Arbor, MI 48108 www.hl7.org

Revision

BSR/HL7 EHR SD, R2.1-202x, HL7 Electronic Health Records - System Functional Model Structure Definition, Release 2.1 (revision and redesignation of ANSI/HL7 EHR, R2.1-2020)
Stakeholders: Healthcare providers, software developers/vendors, regulators, accreditation bodies, system certification bodies, public health, patients

Project Need: Update needed to incorporate EHR-S FM as part of the HL7 Standards Families - all supported by the Common HL7 Toolset - in place of the prior custom (and now obsolete) toolset.

Interest Categories: Clinical and Public Health Laboratories, Immunization Registries, Standards Development Organizations (SDOs), Regulatory Agency, Pharmaceutical Vendors, EHR and PHR Vendors, Health Care IT Vendors, Clinical Decision Support Systems Vendors, Lab Vendors, Emergency Services Providers, Local and State Departments of Health, Medical Imaging Service Providers, Healthcare Institutions

The HL7 Electronic Health Record System Functional Model (EHR-S FM) specifies functional requirements for EHR/HIT systems. The EHR-S FM is also published as ISO 10781. This update is a new rendering of EHR-S FM Release 2.1 based on the Common HL7 Toolset (e.g., as utilized for FHIR IGs and now CDA).

HL7 (Health Level Seven)

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Revision

BSR/HL7 FHIRPath E2-202x, HL7 Cross-Paradigm Specification: FHIRPath, Edition 2 (revision and redesignation of ANSI/HL7 FHIRPath R1-2020 (R2024))
Stakeholders: Academic/Research, Association/Goverment Agency, Consultant, Healthcare IT Vendors, Payer/Third Party Administrator, Regulatory Agency, Standards Development Organizations (SDOs), Vendor/Manufacturer

Project Need: This project will produce a new version of the FHIRPath specification, incorporating implementation and user feedback for new features, clarifications, and updates, as well as consider which trial-use content should now be considered normative.

Interest Categories: Clinical and Public Health Laboratories, Immunization Registries, Quality Reporting Agencies, Standards Development Organizations (SDOs), Regulatory Agency, Payors, Pharmaceutical Vendors, EHR and PHR Vendors, Health Care IT Vendors, Clinical Decision Support Systems Vendors, Lab Vendors, Emergency Services Providers, Local and State Departments of Health, Medical Imaging Service Providers, Healthcare Institutions

FHIRPath is a path-based navigation and extraction language, somewhat like XPath. Operations are expressed in terms of the logical content of hierarchical data models, and support traversal, selection and filtering of data. Its design was influenced by the needs for path navigation, selection and formulation of invariants in both HL7 Fast Healthcare Interoperability Resources (FHIR) and HL7 Clinical Quality Language (CQL).

NEMA (ASC C80) (National Electrical Manufacturers Association)

David Richmond <david.richmond@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR C80.1-202X, Electric Rigid Steel Conduit (revision of ANSI C80.1-2020)
Stakeholders: Steel Tube and Conduit Manufacturers, Designers, Electricians

Project Need: This document needs to be updated to add additional commonly used conduit trade sizes, review references, and update common language.

Interest Categories: Producers, Users, General Interest

This Standard covers the requirements for an electrical rigid steel conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in a nominal length of 10 ft. (3.05 m) l, threaded on each end with one coupling attached. The production of lengths shorter or longer than the Standard length shall be allowed, whether threaded or unthreaded and with or without couplings. ERMC-S is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (as specified in clauses 5.3.3, 6.2.4, 7.8, and 7.9 in UL 6) and on the interior surface with zinc or organic coating. This Standard also covers conduit couplings, elbows, and protruding ends.

NEMA (ASC C80) (National Electrical Manufacturers Association)

David Richmond <david.richmond@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR C80.3-202X, Electrical Metallic Tubing - Steel (EMT-S) (revision of ANSI C80.3-2020)
Stakeholders: Conduit Manufactures, Electrical Designers, Electricians

Project Need: This document needs to be updated to add additional commonly used conduit trade sizes, review references, and update common language.

Interest Categories: Producers, Users, General Interest

This Standard covers the requirements for steel electrical metallic tubing for use as a raceway for wires or cables of an electrical system. Finished tubing is typically furnished in nominal lengths of 10-ft (3.05-m). The production of lengths shorter or longer than the Standard length shall be allowed. EMT is protected on the exterior surface with a metallic zinc coating or alternate corrosion protection coating (see UL 797 for alternate corrosion protection coating requirements) and on the interior surface with zinc or organic coating.

NEMA (ASC C80) (National Electrical Manufacturers Association)

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Revision

BSR C80.5-202X, Electrical Rigid Metal Conduit - Aluminum (ERMC-A) (revision of ANSI C80.5-2020)
Stakeholders: Conduit Manufactures, Electrical Designers, Electricians

Project Need: This document needs to be updated to add additional commonly used conduit trade sizes, review references, and update common language.

Interest Categories: Producers, Users, General Interest

This Standard covers the requirements for extruded aluminum-alloy conduit for use as a raceway for the wires or cables of an electrical system. The finished conduit is produced in nonminimal lengths of 10-ft. (3.05-m), threaded on each end with one coupling attached. The production of lengths shorter or longer than the Standard length shall be allowed, whether threaded or unthreaded and with or without couplings.

NEMA (ASC C80) (National Electrical Manufacturers Association)

David Richmond <david.richmond@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

Revision

BSR C80.6-202X, Electrical Intermediate Metal Conduit (EIMC) (revision of ANSI C80.6-2018)
Stakeholders: Conduit Manufactures, Electrical Designers, Electricians

Project Need: This document needs to be updated to review references and update common language.

Interest Categories: Producers, Users, General Interest

This standard covers the requirements for steel electrical intermediate metal conduit for use as a raceway for wires or cables of an electrical system. Finished conduit is produced in nominal 10 ft. (3.05 m) lengths, threaded on each end with one coupling attached. It is protected on the exterior surface with a metallic zinc coating or an alternate corrosion protection coating (see UL 1242 for alternate corrosion-resistant coating(s) requirements) and on the interior surface with a zinc or organic coating.

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

Kennedy Smith <technicalstandards@resna.org> | 2001 K Street, NW, 3rd Floor North | Washington, DC 20006 www.resna.org

National Adoption

BSR/RESNA WC-4-202x, RESNA Standard for or Wheelchairs, Volume 4: Wheelchairs and Transportation (national adoption of ISO 10865-1 with modifications and revision of ANSI/RESNA WC-4-2017)
Stakeholders: Wheelchair tiedown and occupant restraint manufacturers, wheelchair seating manufacturers, auto-safety researcher, rehabilitation researcher, clinician/prescriber, policy experts/payers/educators, consumers/advocates/caregivers, and transit providers

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

Interest Categories: Wheelchair Tiedown & Occupant Restraint Systems Manufacturer Wheelchairs and Wheelchair Seating Systems Manufacturer Auto-safety Researcher Rehabilitation Researcher Clinician/Prescriber Policy Experts, Payers, and Educators Consumers, Advocates, and Caregivers Transit Providers General

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

ULSE (UL Standards & Engagement)

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New Standard

BSR/UL 2417-202x, Standard for Safety for Immersion Cooling Fluids for Use with Information and Communication Technology Equipment (new standard)
Stakeholders: Specialty chemicals, data center cooling, oil & gas, electronics components, telecom

Project Need: To provide an ANSI approved standard, UL 2417, which provides requirements for immersion cooling fluids for use in information and communication technology. This project will continue to support the regulation of components in information and communication technology.

Interest Categories: Producers, Supply Chain, Testing & Standards Organizations, General Interest, Commercial/Industrial Users

This Standard describes test procedures and requirements used to evaluate immersion cooling fluids and mark their containers according to the extent of the immersion cooling fluid's flammability with regard to their intended use as components of information and communication technology equipment cabinets or enclosures. These requirements do not cover the compatibility of the insulating liquid with the equipment, cabinet, enclosure, or other materials/components. The acceptability of an immersion cooling fluid in a particular application is to be judged under the applicable requirements in the standard covering the equipment.

VITA (VMEbus International Trade Association (VITA))

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

New Standard

BSR/VITA 94.0-202x, Power Distribution Plug-In Module Standard (new standard)
Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: To define a power distribution plug-in module standard for the VPX ecosystem.

Interest Categories: User, Producer, General Interest

This standard provides requirements for building a power distribution Plug-In Module with digital controls that can be used in a VPX chassis. The Plug-In Module will fit within the standards envelope defined for VPX modules in the VITA 48.x standards.

Call for Comment on Standards Proposals

American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

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

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

Comment Deadline: December 29, 2024

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

180 Technology Parkway, Peachtree Corners, GA 20092 | knguyen@ashrae.org, www.ashrae.org

Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
In response to a continuous maintenance proposal, this addendum revises portions of Standard 15 related to refrigerant pipe shafts. The proposed modifications will result in an exemption to requiring a pipe shaft for continuous pipe and tube. The proposed modifications also clarify section 7.2.3.1.1 regarding the application of exempt spaces applying to the pipes, tubes, joints, and connections.
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

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

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Addenda

BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 15.2-2024, Safety Standard for Refrigeration Systems in Residential Applications (addenda to ANSI/ASHRAE Standard 15.2-2024)
This proposed addendum is modifying Section 8 by eliminating one of the options for field applied joints, 8.2.5.1. c. The committee determined that Option c did not have the requirements for compliance delineated, and the committee wanted all field joints to be either brazed or to be a mechanical joint in compliance with UL 207. In addition, Option b was clarified to follow manufacturer instructions to provide a clearer reference for the AHJ.
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: December 29, 2024

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Addenda

BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
This addendum revises portions of Standard 15 related to refrigerant pipe shaft ventilation. Ventilation will not be required for continuous pipe or tube that has been tested per the standard. Shaft ventilation will not be required for tested pipes, tubes, joints, or connections using Group A2L or B2L refrigerant in pipe shafts with no hot surfaces exceeding 1290☐ F (700☐ C).
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

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Addenda

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 15-2024, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2024)
This proposed addendum to ASHRAE Standard 15-2024 updates the pressure relief device requirements for pressure vessels 6” or less and allows them to be protected in accordance with their listing. This change builds upon the change made by Standard 15-2022 addendum a.
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

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

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Addenda

BSR/ASHRAE Addendum h to Standard 30-202x, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019)
Addendum h to Standard 30-2019 revises Section 8.2.1 to state that all heat exchangers connected to the chiller shall remain connected for the duration of the test; clarifies that remote tubing lengths and sizes must be specified in the test plan; adds the requirement that redundant voltage measurements must be within ±2%; and clarifies the Operation Condition Tolerance and Stability Criteria during Fan Cycling.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: December 29, 2024

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

BSR/ASHRAE/ICC/IES/USGBC Addendum j to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2023)
As ASHRAE 90.1-2022 and its addenda (i.e. published Addendum k) have added renewable generation and procurement requirements to the Standard, some renewable definitions and terms have mirrored what previously had been published in ASHRAE 189.1. However, the offsite procurement definitions and terms in ASHRAE 90.1 differ in several respects from Standard 189.1, and this addenda brings from ASHRAE 90.1 to ASHRAE 189.1 specific modifications that can clarify text for users, and that can establish consistency in ASHRAE 189.1 with the underlying ASHRAE 90.1 language, where appropriate.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum af to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
In this version of addendum af, additional changes are made to ensure alignment between 90.1 and the Department of Energy Regulations for electric motor efficiency that will go into effect on June 1, 2027.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE/IES Addendum aj to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This revision to the indoor pool energy recovery addendum is to clarify that supplemental heat may be used when heat recovery is occurring at 100 percent. It also defines a new option for using heat pump exhaust air energy recovery.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: December 29, 2024

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Addenda

BSR/ASHRAE/IES Addendum aq to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This revision makes buildings in Climate Zone 8 exempt from on-site renewable energy requirements based on an updated cost effectiveness analysis.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum as to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum modifies the definition of expanded performance data to clarify the applicable data sources. This definition has been introduced to improve alignment with ASHRAE 205.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE/IES Addendum bg to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum introduces a requirement for unoccupied setback controls in the specified hospital and healthcare spaces and explains how they are to be configured within the specified operating limits.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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Addenda

BSR/ASHRAE/IES Addendum bh to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum introduces a requirement for unoccupied setback controls in the specified hospital and healthcare spaces and explains how they are to be configured within the specified operating limits.
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Addenda

BSR/ASHRAE/IES Addendum bl to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum explains that portable electric spas are not covered in 90.1 pool requirements. It also removes the R-12 requirement for pool covers. Finally, it modifies the pool cover exemption to require more site-recovered or on-site renewable energy to be used for heating.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

NSF (NSF International)

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

Revision

BSR/NSF 14-202x (i147r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2023)
The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Monica Milla <mmilla@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 40-202x (i62r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2023)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1,514 LPD (400 GPD) and 5,678 LPD (1,500 GPD). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 46-202x (i47r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2022)
This standard is intended for use with components and devices not covered by other NSF wastewater standards. Components and devices covered by this Standard are intended for use with greywater or blackwater, or both.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

Comment Deadline: December 29, 2024

NSF (NSF International)

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

Revision

BSR/NSF 140-202x (i36r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)
This standard is intended to enable organizations throughout the carpet supply chain to apply performance requirements to achieve sustainable attributes and demonstrate compliance with levels of achievement through quantifiable metrics.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i39r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2023)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1,514 LPD (400 GPD) to 5,678 LPD (1,500 GPD) that are designed to provide reduction of nitrogen in residential wastewater.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i83r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2023)
This standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems include greywater treatment systems; residential wastewater treatment systems; and commercial treatment systems.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Shannon McCormick <smccormick@nsf.org>

Comment Deadline: January 13, 2025

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 100-202x, Range of Conclusions and Criteria in Toolmark Examinations (new standard)
This standard provides the range of conclusions, criteria, and reporting language to be used for all microscopic toolmark examinations and comparisons conducted for the forensic purpose of determining if two or more toolmarks were or could have been created by the same tool, based on current working standards, technology, and equipment available. This document is limited to the process of developing source conclusions and does not address or consider other types of conclusions possible in the analysis of firearm and toolmark evidence.
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.
Send comments (copy psa@ansi.org) to: asb@aafs.org

APA (APA - The Engineered Wood Association)

7011 South 19th Street, Tacoma, WA 98466 | borjen.yeh@apawood.org, www.apawood.org

Revision

BSR/APA PRG 320-2025, Standard for Performance Rated Cross Laminated Timber (revision of ANSI/APA PRG 320-2019)
This standard provides requirements and test methods for qualification and quality assurance for performance-rated cross-laminated timber (CLT), which is manufactured from solid-sawn lumber or structural composite lumber (SCL) intended for use in construction applications.
Single copy price: Free
Obtain an electronic copy from: borjen.yeh@apawood.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 13, 2025

API (American Petroleum Institute)

200 Massachusetts Ave NW, Washington DC, DC 20001 | DiazM@api.org, www.api.org

National Adoption

BSR/API Spec 5CRA/ISO 13680-202x, Corrosion-resistant Alloy Seamless Products for Use as Casing, Tubing, Coupling Stock, and Accessory Material (identical national adoption of ISO 13680:2024 and revision of ANSI/API Spec 5CRA/ISO 13680-2022)
This document specifies the technical delivery conditions for corrosion-resistant alloy seamless products for casing, tubing, coupling stock and accessory material (including coupling stock and accessory material from bar) for two product specification levels:
PSL-1, which is the basis of this document;
PSL-2, which provides additional requirements for a product that is intended to be both corrosion and cracking resistant for the environments and qualification method specified in Annex G and in the ISO 15156 series or NACE MR0175.
This document contains no provisions relating to the connection of individual lengths of pipe. Demonstration of conformance to ISO 15156-3:2020 or NACE MR0175-2021 of material affected by end sizing, connection manufacture or welding operations is outside the scope of this document. This document contains provisions relating to marking of tubing and casing after threading.
Single copy price: Free
Obtain an electronic copy from: DiazM@api.org
Send comments (copy psa@ansi.org) to: Same

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20190 | jneckel@asce.org, www.asce.org

Revision

BSR/ASCE/CI 67-202x, Schedule Delay Analysis Standard (revision of ANSI/ASCE/CI 67-2017)
The 35 guidelines in this standard allow for segmentation of responsibility for delay to intermediary milestones and to the project completion date. They also enable delay damages or liquidated damages to be calculated by utilizing critical path method schedule techniques and preparing a schedule delay analysis. The guidelines in this standard are based on principles of schedule delay analysis in the following categories: Critical path, Float, Early completion, Chronology of delay, Concurrent delay, Responsibility for delay, Changing schedules after the fact, and Acceleration. The application of such principles should be based on the terms of the contract, contract administration, consistency in application, and legal precedent. These standard guidelines provide commentary, support for, and explanations of this ASCE standard committee's list of guidelines.
Single copy price: Free
Obtain an electronic copy from: Jneckel@asce.org
Send comments (copy psa@ansi.org) to: James Neckel <jneckel@asce.org>

Comment Deadline: January 13, 2025

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

BSR/ASHRAE/IES Addendum ab to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum introduces changes to the lighting zone definitions to align with Illuminating Engineering Society standards. It also adds values for pedestrian tunnels and loading docks in Lighting Zone 0. Finally, it reduces the wattage threshold from 78 Watts to 40 Watts for motion-controlled parking lot lighting mounted less than 24 feet above the ground.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum am to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This revision is a response to public comments on the first public review draft. U-factors for some fenestration types were modified according to feedback about commercial availability and cost. The U-factors that have been increased compared to the first draft are still an improvement compared to the 90.1-2022 standard.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum ao to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum makes changes to the simplified lighting compliance path in Section 9.3 with new requirements for daylighting as well as motion-sensing controls for parking lot luminaires mounted less than 24 feet above grade.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: January 13, 2025

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

BSR/ASHRAE/IES Addendum ba to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum updates Table 6.8.1-15 with new minimum efficiency requirements for Water Source Heat Pumps (WSHPs) and a new metric for evaluating water-to-air products in accordance with AHRI 600.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum bp to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum simplifies the calculation used to determine compliance with the Mechanical System Performance Path introduced in 90.1-2022.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

BSR/ASHRAE/IES Addendum bq to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/IES Standard 90.1-2022)
This addendum increases the minimum cooling efficiency requirements for room air conditioners and room air conditioner heat pumps installed outside the United States and places them in a new table, Table 6.8.1-22.
Single copy price: $35.00
Obtain an electronic copy from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME A17.1/CSA B44-202x, Safety Code for Elevators and Escalators (revision of ANSI/ASME A17.1/CSA B44-2022)
This standard covers safety requirements for elevators, escalators, dumbwaiters, moving walks and material lifts.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Geraldine Burdeshaw <burdeshawg@asme.org>

Comment Deadline: January 13, 2025

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section IV-202x, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2023)
The rules of Part HG apply to steam heating boilers, hot water heating boilers, hot water supply boilers, and to appurtenances thereto. They shall be used in conjunction with the specific requirements in Part HF (boilers of wrought materials), Part HC (cast iron boilers), and Part HA (cast aluminum boilers), as applicable
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Carlton R.M. Ramcharran

ASME (American Society of Mechanical Engineers)

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

Revision

BSR/ASME BPVC Section V-202x, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2023)
This Section of the Code contains requirements, methods, and techniques for nondestructive examination (NDE), which are Code requirements to the extent that they are specifically referenced and required by other Code Sections or referencing documents.
Single copy price: Free
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Carlton R.M. Ramcharran

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

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

Revision

BSR/ASSP A10.11-202X, Safety Requirements for Personnel Nets (revision and redesignation of ANSI/ASSE A10.11-2016)
This standard establishes safety requirements for the selection, installation and use of personnel nets during construction, repair and demolition operations.
Single copy price: $125.00
Obtain an electronic copy from: TFisher@assp.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 13, 2025

AWWA (American Water Works Association)

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

Revision

BSR/AWWA F101-202x, Contact-Molded, Fiberglass-Reinforced Plastic Wash-Water Troughs and Launders (revision of ANSI/AWWA F101-2019)
This standard describes the minimum requirements for fiberglass-reinforced plastic wash-water troughs and launders made by the contact-molding process, including flat-bottom, round-bottom, and V-bottom troughs and launders. Requirements are included for materials, properties, design, construction, dimensions, tolerances, work quality, and appearance. This standard also describes the requirements for using general-purpose and chemical-resistant resins. These fabrications are generally used in municipal water supply service and industrial water supply service applications.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

AWWA (American Water Works Association)

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

Revision

BSR/AWWA F102-202x, Matched-Die-Molded, Fiberglass-Reinforced Plastic Weir Plates, Scum Baffles, and Mounting Brackets (revision of ANSI/AWWA F102-2019)
This standard describes the minimum requirements for fiberglass-reinforced plastic weir plates, scum baffles, mounting brackets, lap plates, cover washers, and weir pans, fabricated with the matched-die molding process. Included are requirements for design, construction, dimensions, tolerances, physical properties, work quality, appearance, and installation. This standard contains the requirements for using general-purpose and chemical-resistant resins. These fabrications are generally used in municipal water supply service and industrial water supply service applications.
Single copy price: Free
Obtain an electronic copy from: ETSsupport@awwa.org
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson (polson@awwa.org)

BHMA (Builders Hardware Manufacturers Association)

529 14th Street NW, Suite 1280, Washington, DC 20045 | agambrall@kellencompany.com, www.buildershardware.com

Revision

BSR/BHMA A156.39-202x, Standard for Residential Locksets and Latches (revision of ANSI/BHMA A156.39 -2020)
This Standard establishes performance requirements for bored residential locksets and latches, and includes durability, security, and finish. Residential locksets and latches are generally used for single family homes and multifamily dwellings.
Single copy price: $36.00 (non-member); $18.00 (member)
Obtain an electronic copy from: agambrall@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 13, 2025

BHMA (Builders Hardware Manufacturers Association)

529 14th Street NW, Suite 1280, Washington, DC 20045 | agambrall@kellencompany.com, www.buildershardware.com

Revision

BSR/BHMA A156.40-202x, Standard for Residential Deadbolts (revision of ANSI/BHMA A156.40-2020)
ANSI/BHMA A156.40 establishes requirements for residential deadbolts and deadlatches, and includes durability, security, finish tests. Residential deadbolt and deadlatches are generally used for single family homes and multifamily dwellings.
Single copy price: $36.00 (non-member); $18.00 (member)
Obtain an electronic copy from: agambrall@kellencompany.com
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

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

Stabilized Maintenance

BSR/CTA 805-E-2013 (S202x), Data Services on the Component Video Interfaces (stabilized maintenance of ANSI/CTA 805-E-2013 (R2019))
This standard specifies how data services are carried on analog Component Video Interface CVI, as described in CTA-770.2 and CTA-770.3. This standard applies to all CE devices carrying data on the CVI vertical blanking interval (VBI). All references within this standard to component video and/or component video interfaces are analog only, and no reference to digital is implied.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

Reaffirmation

BSR/HL7 EHR, R2.1-2020 (R202x), HL7 Electronic Health Record System Functional Model, Release 2.1 (reaffirmation of ANSI/HL7 EHR, R2.1-2020)
Reaffirmation of Incremental update to HL7 EHR System Functional Model. Update from Release 2.01 (2017-HL7) and Release 2 (2014-ISO/HL7 10781).
Single copy price: Free
Obtain an electronic copy from: Lynn@hl7.org
Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

Comment Deadline: January 13, 2025

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

Reaffirmation

BSR/HL7 EHRS FM FP ENCPRS, R2-2020 (R202x), HL7 EHR-System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 2 (reaffirmation and redesignation of ANSI/HL7 EHRS FM FP ENCPRS, R2-2020)
The project created a Nutrition Care Process (NCP) aligned Functional Profile to identify capabilities for nutrition services utilizing EHR systems. The FP established conformance to the HL7 International EHR-S Functional Model Release 2. Requirements from the NCP were mapped into the FP and identify those portions of the EHR-S FM R2 that apply to patient care in the NCP, providing EHR vendors with conformance criteria specific to regulated tasks within the NCP in the HL7 International formats.
Single copy price: Free
Obtain an electronic copy from: Lynn@hl7.org
Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

Reaffirmation

BSR/HL7 EHRS IFP, R1-2020 (R202x), HL7 EHRS-FM Release 2: Immunization Functional Profile, Release 1 (reaffirmation and redesignation of ANSI/HL7 EHRS IFP, R1-2020)
HL7 EHR-S Immunization Functional Profile (IFP) establishes Electronic Health Record System functions and conformance criteria to support immunization administration, immunization history, immunization forecasts, immunization dose management and reporting to public health/immunization registries. IFP is based on 57 user stories and scenarios from the HL7 Immunization Domain Analysis Model (4), the CDC/HIMSS/CNI Immunization Integration Program (47), and the CDC/NIOSH Work and Health program (6).
Single copy price: Free
Obtain an electronic copy from: Lynn@hl7.org
Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

HL7 (Health Level Seven)

455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | lynn@hl7.org, www.hl7.org

Reaffirmation

BSR/HL7 V3 IG DS4P, R1-2014 (R202x), HL7 Implementation Guide: Data Segmentation for Privacy (DS4P), Release 1 (reaffirmation and redesignation of ANSI/HL7 V3 IG DS4P, R1-2014 (R2019))
U.S. realm DS4P normative specification is an exemplar for an IG that could be used by other realms. Includes a CDA R2 content profile specifying constraints consistent with the DS4P requirements for a policy-specific use case as a model of how to assign security labels as specified by the HL7 Healthcare Privacy and Security Classification System (HCS); and two US-specific transport profiles of for NwHIN Direct and Exchange constrained based on the DS4P requirements.
Single copy price: Free
Obtain an electronic copy from: Lynn@hl7.org
Send comments (copy psa@ansi.org) to: Lynn Laakso <lynn@hl7.org>

Comment Deadline: January 13, 2025

ICC (International Code Council)

4051 Flossmoor Road, Country Club Hills, IL 60478 | kaittaniemi@iccsafe.org, www.iccsafe.org

Reaffirmation

BSR/ICC 600-2020 (R202x), Standard for Residential Construction in High Wind Regions (reaffirmation of ANSI/ICC 600-2020)
The Standard for Residential Construction in High-Wind Regions will specify prescriptive methodologies of wind-resistant design and construction details for buildings and other structures of wood-framed, steel-framed, concrete, or masonry construction sited in high-wind areas. This standard will provide prescriptive details for walls, floors, roofs, foundations, windows, doors, and other applicable components of construction.
Single copy price: Free
Obtain an electronic copy from: https://codes.iccsafe.org/codes/standards/icc-standards
Send comments (copy psa@ansi.org) to: DRankin@iccsafe.org

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

Revision

BSR/NFRC 100-202x E0A3, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2023 E0A2)
To specify a method of determining fenestration product U-factor (thermal transmittance).
Single copy price: Free
Obtain an electronic copy from: https://nfrccommunity.org/page/DPR
Send comments (copy psa@ansi.org) to: Same

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

Revision

BSR/NFRC 200-202x E0A4, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 E0A3)
To specify a method for calculating solar heat gain coefficient (SHGC) and visible transmittance (VT) at normal (perpendicular) incidence for fenestration products containing glazings or glazing with applied films, with specular optical properties calculated in accordance with ISO 15099 (except where noted) or tested in accordance with NFRC 201, NFRC 202, and NFRC 203.
Single copy price: Free
Obtain an electronic copy from: https://nfrccommunity.org/page/DPR
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 13, 2025

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Revision

BSR/SCTE 277-202x, Linear Contribution Encoding Specification (revision of ANSI/SCTE 277-2022)
This document specifies the contents and format of contribution linear source media being provided from origination to a recipient for processing into a distribution format. This document defines a standardized ingest specification for linear content to be distributed across either IP/CDN or QAM delivery platforms. It also defines an expanding set of annexes for source ingestion profiles that can be paired with existing transmission/delivery equipment infrastructures. The goal in all included scenarios is to deliver the highest quality video available based on the originally produced content type, bit rate, and codec.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

Withdrawal

BSR/SCTE 214-3-2015, MPEG DASH for IP-Based Cable Services - Part 3: DASH/FF Profile (withdrawal of ANSI/SCTE 214-3-2015)
This standard is part of a suite documenting use of MPEG DASH in cable networks. This part of the standard defines a profile of MPEG DASH which is based on the ISO BMFF Common Profile. It also defines inband carriage of information typically present in cable systems – such as closed captioning and cue messages – in DASH ISO-BMFF media segments. This profile is a combination of generic restrictions in SCTE 214-1 and restrictions specific to ISO-BMFF specified in this standard.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | info@spri.org, www.spri.org

Revision

BSR/SPRI WD-1-202x, Wind Design Standard Practice for Roofing Assemblies (revision of ANSI/SPRI WD-1-2020)
This Wind Design Standard Practice provides general building design considerations as well as a methodology for selecting an appropriate roofing assembly to meet the building's calculated rooftop design wind uplift pressures. This document is appropriate for non-ballasted assemblies; single-ply, modified bitumen, and built-up roofing system assemblies installed over any type of roof deck.
Single copy price: Free
Obtain an electronic copy from: info@spri.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: January 13, 2025

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 455-11-E-202x, Vibration Test Procedures for Fiber Optic Components and Cables (new standard)
This is a revision of ANSI/TIA 455-11-D and will update the MIL-STD-202 documents referenced in document, and to update revision versions of outdated references. Entire document is open for comment.
Single copy price: $93.00
Obtain an electronic copy from: standards-process@tiaonline.org
Send comments (copy psa@ansi.org) to: Same

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 1784-2015 (R202x), Standard for Air Leakage Tests of Door Assemblies and Other Opening Protectives (reaffirmation of ANSI/UL 1784-2015 (R2020))
(1) Reaffirmation and continuance of the Fourth Edition of the Standard for Air Leakage Tests of Door Assemblies and Other Opening Protectives, UL 1784, as an American National Standard.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Griff Edwards <griff.edwards@ul.org>

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Jeffrey.prusko@ul.org, https://ulse.org/

Revision

BSR/UL 252-202x, Standard for Safety for Compressed Gas Regulators (revision of ANSI/UL 252-2023)
The following is being recirculated: (1) Aligning with UL/ULC 252A with respect to glossary terms and Excess Pressure Test; (2) Revising line regulator definition and requirements for connections; and (3) Removing MPS gas from the standard and clarifying that the terms “LP-Gas” and “propane” are interchangeable
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable or 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.comProposalsAvailable

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Jeffrey.prusko@ul.org, https://ulse.org/

Revision

BSR/UL 252A-202x, Standard for Compressed Gas Regulator Accessories (revision of ANSI/UL 252A-2022)
The following is being recirculated: (1) Removing MPS gas from the standard and clarifying that the terms “LP-Gas” and “Propane” are interchangeable.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable or 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.comProposalsAvailable

Comment Deadline: January 13, 2025

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | Jeffrey.prusko@ul.org, https://ulse.org/

Revision

BSR/UL 536-202x, Standard for Flexible Metallic Hose (revision of ANSI/UL 536-2021)
The following is being recirculated: (1) Revise 7.3 to clarify requirements for number of samples; (2) Revise Vibration Test to clarify sample lengths; (3) Revise Tension and Compression Tests to add an option to use aerostatic pressure.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable or 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.comProposalsAvailable

ULSE (UL Standards & Engagement)

1603 Orrington Ave, Suite 2000, Evanston, IL 60201 | aaron.zheng@ul.org, https://ulse.org/

Revision

BSR/UL 2056-202x, Standard for Safety for Power Banks (revision of ANSI/UL 2056-2024)
(1) Revision of enclosure requirements.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailabl
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable.

ULSE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | Julio.Morales@UL.org, https://ulse.org/

Revision

BSR/UL 8800-202x, Standard for Safety for Horticultural Lighting Equipment and Systems (revision of ANSI/UL 8800-2023)
This proposal for UL 8800 covers updates to Horticultural Luminaires for Non-Residential Use Only.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
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/ProposalAvailable

Comment Deadline: January 28, 2025

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B5.35-1983 (S202x), Machine Mounting Specifications for Abrasive Discs and Plate Mounted Wheels (stabilized maintenance of ANSI/ASME B5.35-1983 (R2018))
This standard covers standard practice for location and size of bolt holes for mounting abrasive discs and plate-mounted wheels.
Single copy price: $36.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org□>

Comment Deadline: January 28, 2025

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME B5.47-1972 (S202x), Milling Machine Arbor Assemblies (stabilized maintenance of ANSI/ASME B5.47 -1972 (R2018))
This standard is confined to milling machine arbors.
Single copy price: $33.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Daniel Papert <papertd@asme.org>

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | Jacob.Stewart@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 15027-3-2020 (R202x), Standard for Immersion Suits - Part 3: Test Methods (reaffirm a national adoption ANSI/UL 15027-3-2020)
Reaffirmation and continuance of the First Edition of the Standard for Immersion Suits – Part 3: Test Methods, UL 15027-3, as an American National Standard.
Single copy price: Free
Order from: https://csds.ul.com/ProposalAvailable
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/ProposalAvailable.

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.

ASSP (Safety) (American Society of Safety Professionals)

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

ANSI/ASSP Z490.2-2019, Accepted Practices for E-learning in Safety, Health and Environmental Training (new standard)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Rick Blanchette <rblanchette@assp.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.

ANS (American Nuclear Society)

1111 Pasquinelli Drive, Suite 350, Westmont, IL 60559 | kmurdoch@ans.org, www.ans.org

ANSI/ANS 8.26-2024, Nuclear Criticality Safety Engineer Training and Qualification Program (revision of ANSI/ANS 8.26 -2007 (R2022)) Final Action Date: 11/21/2024 | *Revision*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE D606-OCT2020 (R2024), Property and Relationships for Distiller Dried Grains with Solubles (DDGS) (reaffirmation of ANSI/ASABE D606-2020) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASABE S633-MAY2020 (R2024), Testing Protocol for Landscape Irrigation Soil Moisture-Based Control Technologies (reaffirmation of ANSI/ASABE S633-MAY2020) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASAE EP378.4 JUN2010 (R2024), Floor and Suspended Loads on Agricultural Structures Due to Use (reaffirmation of ANSI/ASAE EP378.4 JUN2010 (R202x)) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASAE EP545 MAR1995 (R2024), Loads Exerted by Free-Flowing Grain on Shallow Storage Structures (reaffirmation of ANSI/ASAE EP545 MAR1995 (R2019)) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASAE S422.1-2015 (R2024), Mapping Symbols and Nomenclature for Erosion and Sediment Control Plans for Land Disturbing Activities (reaffirmation of ANSI/ASAE S422.1-2015 (R2019)) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASAE S436.2-JUN2020 (R2024), Field Test Procedure for Determining Irrigation Water Distribution Uniformity of Center Pivot and Lateral Move Systems (reaffirmation of ANSI/ASAE S436.2-JUN2020) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/ASAE S433.1 JAN2019 (R2024), Loads Exerted by Free-Flowing Grain on Bins (reaffirmation of ANSI/ASAE S433.1 JAN2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ASTM (ASTM International)

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

ANSI/ASTM F355-2024, Test Method for Impact Attenuation of Playing Surface Systems, Other Protective Sport Systems, and Materials Used for Athletics, Recreation and Play (revision of ANSI/ASTM F355-2016) Final Action Date: 11/15/2024 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C700-2024, Cold-Water Meters-Displacement Type, Metal Alloy Main Case (revision of ANSI/AWWA C700-2020) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C701-2024, Cold-Water Meters-Turbine Type, for Customer Service (revision of ANSI/AWWA C701-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C702-2024, Cold-Water Meters-Compound Type (revision of ANSI/AWWA C702-2019) Final Action Date: 11/18/2024 | *Revision*

AWWA (American Water Works Association)

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

ANSI/AWWA C703-2024, Cold-Water Meters-Fire-Service Type (revision of ANSI/AWWA C703-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C704-2024, Propeller-Type Meters for Waterworks Applications (revision of ANSI/AWWA C704-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C708-2024, Cold-Water Meters-Multijet Type (revision of ANSI/AWWA C708-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C710-2024, Cold-Water Meters-Displacement Type, Plastic Main Case (revision of ANSI/AWWA C710 -2020) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C712-2024, Cold-Water Meters-Singlejet Type (revision of ANSI/AWWA C712-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C713-2024, Cold-Water Meters-Fluidic-Oscillator Type (revision of ANSI/AWWA C713-2019) Final Action Date: 11/18/2024 | *Revision*

ANSI/AWWA C714-2024, Cold-Water Meters for Residential Fire Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (revision of ANSI/AWWA C714-2019) Final Action Date: 11/19/2024 | *Revision*

CSA (CSA America Standards Inc.)

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

ANSI CSA Z21.91 (R2024), Ventless firebox enclosures for gas-fired unvented gas log type room heaters (reaffirmation of ANSI Z21.91-2019) Final Action Date: 11/18/2024 | *Reaffirmation*

DSI (Dental Standards Institute, Inc.)

230 Manitoba Avenue, Suite 110, Wayzata, MN 55391 | dentalstandards@gmail.com, https://dentalstandardsinstitute.

ANSI/DSI EEDRA1.1-2024, Equitable Electronic Dental Record Access through Transferable Holistic Oral Records (THOR) for Dental Patients (new standard) Final Action Date: 11/18/2024 | *New Standard*

HPS (ASC N13) (Health Physics Society)

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | awride-graney@burkinc.com, www.hps.org

ANSI HPS N13.32-2018 (R2024), Performance Testing of Extremity Dosimeters (reaffirmation of ANSI N13.32-2018) Final Action Date: 11/20/2024 | *Reaffirmation*

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

4755 East Philadelphia Street, Ontario, CA 91761 | standards@iapmostandards.org, https://www.iapmostandards.org

ANSI/IAPMO Z1157 (R2024), Ball Valves (reaffirmation of ANSI/IAPMO Z1157-2014e1 (R2019)) Final Action Date: 11/18/2024 | *Reaffirmation*

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

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

INCITS 540-2018/AM1-2019 [R2024], Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1 (FC-NVMe-AM 1) (reaffirmation of INCITS 540-2018/AM 1-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

INCITS 543-2019 [R2024], Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (reaffirmation of INCITS 543-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

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

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

INCITS 545-2019 [R2024], Information technology - Fibre Channel - Framing and Signaling - 5 (FC-FS-5) (reaffirmation of INCITS 545-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

NEMA (National Electrical Manufacturers Association)

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

ANSI/NEMA 80047-2024, Basic Application Profile for Fault Location, Isolation, and Service Restoration in a Looped Single Line Feeder (new standard) Final Action Date: 11/20/2024 | *New Standard*

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

ANSI/SCTE 214-5 2024, ISO BMFF Based DASH Constraints - Part 5: DASH/Constrained ISO BMFF Profile (new standard) Final Action Date: 11/19/2024 | *New Standard*

ANSI/SCTE 07-2018 (R2024), Digital Transmission Standard for Cable Television (reaffirmation of ANSI/SCTE 07-2018) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/SCTE 19-2018 (R2024), Methods for Isochronous Data Service Transport (reaffirmation of ANSI/SCTE 19-2018) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/SCTE 42-2019 (R2024), IP Multicast For Digital MPEG Networks (reaffirmation of ANSI/SCTE 42-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 52-2018 (R2024), Data Encryption Standard - Cipher Block Chaining, Packet Encryption Specification (reaffirmation of ANSI/SCTE 52-2018) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/SCTE 53-2019 (R2024), Methods for Asynchronous Data Services Transport (reaffirmation of ANSI/SCTE 53-2019) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/SCTE 55-1-2019 (R2024), Digital Broadband Delivery System: Out of Band Transport - Part 1: Mode A (reaffirmation of ANSI/SCTE 55-1-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 55-2-2019 (R2024), Digital Broadband Delivery System: Out of Band Transport - Part 2: Mode B (reaffirmation of ANSI/SCTE 55-2-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 118-1-2019 (R2024), Program-Specific Ad Insertion - Data Field Definitions, Functional Overview and Application Guidelines (reaffirmation of ANSI/SCTE 118-1-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 118-2-2019 (R2024), Program-Specific Ad Insertion - Content Provider to Traffic System Communication Applications Data Model (reaffirmation of ANSI/SCTE 118-2-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 118-3-2019 (R2024), Program-Specific Ad Insertion - Traffic System to Ad Insertion System File Format Specification (reaffirmation of ANSI/SCTE 118-3-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 127-2019 (R2024), Carriage of Vertical Blanking Interval (VBI) Data in North American Digital Television Bitstreams (reaffirmation of ANSI/SCTE 127-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 138-2019 (R2024), Stream Conditioning for Switching of Addressable Content in Digital Television Receivers (reaffirmation of ANSI/SCTE 138-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 187-1-2019 (R2024), Stereoscopic 3D Formatting and Coding for Cable (reaffirmation of ANSI/SCTE 187-1 -2019) Final Action Date: 11/21/2024 | *Reaffirmation*

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Road, Exton, PA 19341-1318 | naden@scte.org, www.scte.org

ANSI/SCTE 187-2-2019 (R2024), Stereoscopic 3D PSI Signaling (reaffirmation of ANSI/SCTE 187-2-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 187-3-2019 (R2024), Informative Guidance for Stereoscopic Video (reaffirmation of ANSI/SCTE 187-3-2019) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/SCTE 201-2018 (R2024), Open Media Security (OMS) Root Key Derivation, Profiles and Test Vectors (reaffirmation of ANSI/SCTE 201-2018) Final Action Date: 11/19/2024 | *Reaffirmation*

ANSI/SCTE 254-2019 (R2024), Content Encoding Profiles 3.0 Specification (Closed Specification) (reaffirmation of ANSI/SCTE 254-2019) Final Action Date: 11/20/2024 | *Reaffirmation*

ANSI/SCTE 67-2024, Recommended Practice for Digital Program Insertion for Cable (revision of ANSI/SCTE 67-2017) Final Action Date: 11/18/2024 | *Revision*

ANSI/SCTE 128-2-2024, AVC Video Constraints for Cable Television - Part 2: Transport (revision of ANSI/SCTE 128-2 -2018) Final Action Date: 11/18/2024 | *Revision*

ANSI/SCTE 194-1-2024, DTS-HD Audio System - Part 1: Coding Constraints for Cable Television (revision of ANSI/SCTE 194-1-2018) Final Action Date: 11/18/2024 | *Revision*

ANSI/SCTE 194-2-2024, DTS-HD Audio System - Part 2: Constraints for Carriage over MPEG-2 Transport (revision of ANSI/SCTE 194-2-2018) Final Action Date: 11/18/2024 | *Revision*

ANSI/SCTE 215-2-2024, HEVC Video Constraints for Cable Television - Part 2: Transport (revision of ANSI/SCTE 215-2 -2018) Final Action Date: 11/18/2024 | *Revision*

ANSI/SCTE 215-1-1-2020b, HEVC Video Constraints for Cable Television - Part 1-1: HDR10 Coding (withdrawal of ANSI/SCTE 215-1-1-2020b) Final Action Date: 11/19/2024 | *Withdrawal*

ULSE (UL Standards & Engagement)

100 Queen Street, Suite 1040, Ottawa, Canada, ON | Jacob.Stewart@ul.org, https://ulse.org/

ANSI/UL 12402-9-2024, Standard for Safety Personal Flotation Devices - Part 9: Test Methods (national adoption of with modifications and revision of ANSI/UL 12402-9-2022) Final Action Date: 11/19/2024 | *National Adoption*

ANSI/UL 6A-2019 (R2024), Standard for Safety for Electrical Rigid Metal Conduit - Aluminum, Red Brass, and Stainless Steel (reaffirmation of ANSI/UL 6A-2019) Final Action Date: 11/20/2024 | *Reaffirmation*

ANSI/UL 60745-2-2-2014 (R2024), UL Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2 -2: Particular Requirements for Screwdrivers and Impact Wrenches (reaffirmation of ANSI/UL 60745-2-2-2014 (R2019)) Final Action Date: 11/21/2024 | *Reaffirmation*

ANSI/UL 127-2024, Standard for Factory-Built Fireplaces (revision of ANSI/UL 127-2020) Final Action Date: 11/21/2024 | *Revision*

ANSI/UL 1472-2024, Standard for Solid-State Dimming Controls (revision of ANSI/UL 1472-2022) Final Action Date: 11/18/2024 | *Revision*

Call for Members (ANS Consensus Bodies)

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

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.

ASME (American Society of Mechanical Engineers)

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

BSR/ASME BPVC Section IV-202x, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV -2023)

ASME (American Society of Mechanical Engineers)

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

BSR/ASME BPVC Section V-202x, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2023)

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

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

BSR/ASSP A10.11-202X, Safety Requirements for Personnel Nets (revision and redesignation of ANSI/ASSE A10.11 -2016)

BHMA (Builders Hardware Manufacturers Association)

529 14th Street NW, Suite 1280, Washington, DC 20045 | agambrall@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.39-202x, Standard for Residential Locksets and Latches (revision of ANSI/BHMA A156.39-2020)

BHMA (Builders Hardware Manufacturers Association)

529 14th Street NW, Suite 1280, Washington, DC 20045 | agambrall@kellencompany.com, www.buildershardware.com

BSR/BHMA A156.40-202x, Standard for Residential Deadbolts (revision of ANSI/BHMA A156.40-2020)

CTA (Consumer Technology Association)

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

BSR/CTA 805-E-2013 (S202x), Data Services on the Component Video Interfaces (stabilized maintenance of ANSI/CTA 805-E-2013 (R2019))
Interest Categories: CTA is seeking new members to join the consensus body. CTA and the R4 Audio and Video Systems Committee are particularly interested in adding new members called users (who acquire video products from those who create them) as well as those with a general interest.

NEMA (ASC C80) (National Electrical Manufacturers Association)

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

BSR C80.1-202X, Electric Rigid Steel Conduit (revision of ANSI C80.1-2020)

NEMA (ASC C80) (National Electrical Manufacturers Association)

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

BSR C80.3-202X, Electrical Metallic Tubing - Steel (EMT-S) (revision of ANSI C80.3-2020)

NEMA (ASC C80) (National Electrical Manufacturers Association)

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

BSR C80.5-202X, Electrical Rigid Metal Conduit - Aluminum (ERMC-A) (revision of ANSI C80.5-2020)

NEMA (ASC C80) (National Electrical Manufacturers Association)

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

BSR C80.6-202X, Electrical Intermediate Metal Conduit (EIMC) (revision of ANSI C80.6-2018)

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

BSR/NFRC 100-202x E0A3, Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100 -2023 E0A2)

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | jpadgett@nfrc.org, www.nfrc.org

BSR/NFRC 200-202x E0A4, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2023 E0A3)

NSF (NSF International)

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

BSR/NSF 14-202x (i147r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14 -2023)

NSF (NSF International)

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

BSR/NSF 40-202x (i62r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2023)

NSF (NSF International)

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

BSR/NSF 46-202x (i47r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2022)

NSF (NSF International)

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

BSR/NSF 140-202x (i36r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2019)

NSF (NSF International)

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

BSR/NSF 245-202x (i39r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2023)

NSF (NSF International)

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

BSR/NSF 350-202x (i83r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2023)

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

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | technicalstandards@resna.org, www.resna.org

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

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-11-E-202x, Vibration Test Procedures for Fiber Optic Components and Cables (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 94.0-202x, Power Distribution Plug-In Module Standard (new standard)

American National Standards (ANS) Announcements

Change of Project Intent

Corrections

ULSE - UL Standards & Engagement

ANSI/UL 12402-5-2024

At the request of the developer, please note the already approved standard, ANSI/UL 12402-5-2024, which was originally published as a revision in the 11/15/24 issue of Standards Action, has now been changed to the following project intent:
(national adoption of with modifications and revision of ANSI/UL 12402-5-2023)
Please direct inquiries to: Jacob Stewart <Jacob.Stewart@ul.org>

American National Standards (ANS) Process

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

Where to find Procedures, Guidance, Interpretations and More…

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

• ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):

www.ansi.org/essentialrequirements

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

www.ansi.org/standardsaction

• Accreditation information – for potential developers of American National Standards (ANS):

www.ansi.org/sdoaccreditation

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

www.ansi.org/asd

• Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:

www.ansi.org/asd

• American National Standards Key Steps:

www.ansi.org/anskeysteps

• American National Standards Value:

www.ansi.org/ansvalue

• ANS Web Forms for ANSI-Accredited Standards Developers:

https://www.ansi.org/portal/psawebforms/

• Information about standards Incorporated by Reference (IBR):

https://ibr.ansi.org/

• ANSI - Education and Training:

www.standardslearn.org

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

CTA - Consumer Technology Association

Comment Deadline: December 30, 2024

CTA - The **Consumer Technology Association** has submitted revisions to its currently accredited operating procedures for documenting consensus on CTA-sponsored American National Standards, under which it was last reaccredited in 2020. As the revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Kerri Haresign, Consumer Technology Association (CTA) | 1919 South Eads Street, Arlington, VA 22202 | (703) 907-5267, KHaresign@cta.tech

To view/download a copy of the revisions during the public review period, click URL here:

Please submit any public comments on the revised procedures to CTA by **December 30, 2024**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.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)

PHTA (Pool and Hot Tub Alliance)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

TMA (The Monitoring 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.

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

Teresa Ambrosius
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ANS
American Nuclear Society
1111 Pasquinelli Drive, Suite 350
Westmont, IL 60559
www.ans.org

Kathryn Murdoch
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APA
APA - The Engineered Wood Association
7011 South 19th Street
Tacoma, WA 98466
www.apawood.org

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API
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American Society of Civil Engineers
1801 Alexander Bell Drive
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ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
180 Technology Parkway
Peachtree Corners, GA 30092
www.ashrae.org

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

Terrell Henry
ansibox@asme.org

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

Tim Fisher
TFisher@ASSP.org

ASTM
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100 Barr Harbor Drive
West Conshohocken, PA 19428
www.astm.org

Laura Klineburger
accreditation@astm.org

AWWA
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6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org

Madeline Rohr
mrohr@awwa.org

BHMA
Builders Hardware Manufacturers Association
529 14th Street NW, Suite 1280
Washington, DC 20045
www.buildershardware.com

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

Debbie Chesnik
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CTA
Consumer Technology Association
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www.cta.tech

Catrina Akers
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DSI
Dental Standards Institute, Inc.
230 Manitoba Avenue, Suite 110
Wayzata, MN 55391
https://dentalstandardsinstitute.com/

Bryan Laskin
dentalstandards@gmail.com

HL7
Health Level Seven
455 E. Eisenhower Parkway, Suite 300
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Ann Arbor, MI 48108
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Lynn Laakso
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HPS (ASC N13)
Health Physics Society
950 Herndon Parkway, Suite 450
Herndon, VA 20170
www.hps.org

Amy Wride-Graney
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IAPMO (Z)
International Association of Plumbing & Mechanical Officials
4755 East Philadelphia Street
Ontario, CA 91761
https://www.iapmostandards.org

Terry Burger
standards@iapmostandards.org

ICC
International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
www.iccsafe.org

Karl Aittaniemi
kaittaniemi@iccsafe.org

ITI (INCITS)
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700 K Street NW, Suite 600
Washington, DC 20001
www.incits.org

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NEMA
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1300 North 17th Street, Suite 900
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NEMA (ASC C80)
National Electrical Manufacturers Association
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RESNA
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Washington, DC 20006
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Kennedy Smith
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SCTE
Society of Cable Telecommunications Engineers
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Exton, PA 19341
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SPRI
Single Ply Roofing Industry
465 Waverley Oaks Road, Suite 421
Waltham, MA 02452
www.spri.org

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TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
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929 W. Portobello Avenue
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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

Biotechnology (TC 276)

ISO/DIS 16921-2, Biotechnology - Gene delivery systems - Part 2: Guide for quantification methods for viral vectors - 2/7/2025, $98.00

Health Informatics (TC 215)

ISO/DIS 27799, Health informatics - Information security management in health using ISO/IEC 27002 - 2/13/2025, $146.00

Optics and optical instruments (TC 172)

ISO/DIS 11553-2, Safety of machinery - Laser processing machines - Part 2: Safety requirements for hand-held or hand-operated laser processing machines - 2/7/2025, $155.00

Petroleum products and lubricants (TC 28)

ISO/DIS 13825, Petroleum and related products - Determination of arsenic in crude petroleum using atomic fluorescence spectrometry - 2/7/2025, $46.00

IEC Standards

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

46C/1302/CDV, IEC 61156-12 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 12: Symmetrical single pair cables with transmission characteristics up to 1,25 GHz - Work area wiring - Sectional specification, 02/14/2025

46A/1702/CDV, IEC 61196-1-101 ED2: Coaxial communication cables - Part 1-101: Electrical test methods - Test for conductor d.c. resistance of cable, 02/14/2025

Capacitors and resistors for electronic equipment (TC 40)

40/3180/CDV, IEC 60384-14/AMD1 ED5: Amendment 1 - Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains, 02/14/2025

40/3193/FDIS, IEC 62391-2 ED2: Fixed electric double-layer capacitors for use in electronic equipment - Part 2: Sectional specification - Electric double-layer capacitors for power application, 01/03/2025

Documentation and graphical symbols (TC 3)

3/1687/CDV, IEC 60445/AMD1 ED7: Amendment 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors, 02/14/2025

3/1686/CDV, IEC 60617-C00292: IEC 60617 SDB classic procedure for change request C00292; IEC 60617-S01931 Bi-mode Insulated Gate Transistor, 02/14/2025

3D/416/VD, IEC 61360-C00169: IEC CDD: C00169 - Maintenance of language identifiers, 01/03/2025

Electrical accessories (TC 23)

23H/564/NP, PNW TS 23H-564 ED1: Vehicle coupler for contact interface for Automated Connection Device Underbody (ACD-U) systems, 02/14/2025

Electrical Energy Storage (EES) Systems (TC 120)

120/385(F)/CDV, IEC 62933-4-3 ED1: Electrical energy storage (EES) systems - Part 4-3: The protection requirements of BESS according to the environmental conditions, 01/17/2025

Electrical equipment in medical practice (TC 62)

62C/935/CDV, IEC 63465 ED1: Calibration and quality control in the use of radionuclide calibrators, 02/14/2025

62D/2178/CDV, ISO 80601-2-61 ED3: Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment, 02/14/2025

Fibre optics (TC 86)

86A/2501/CDV, IEC 60794-1-130 ED1: Optical fibre cables - Part 1-130: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Coefficient of dynamic friction between cables, Methods E30, 02/14/2025

86A/2517/CD, IEC 60794-1-132 ED1: Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Cable deformation due to cycling loads (Creep), Method E32, 01/17/2025

Industrial-process measurement and control (TC 65)

65C/1334/FDIS, IEC 62541-15 ED1: OPC Unified Architecture - Part 15: Safety, 01/03/2025

65A/1163/NP, PNW 65A-1163 ED1: Procedure Automation for Continuous Process Operations, 02/14/2025

Insulation co-ordination for low-voltage equipment (TC 109)

109/235/FDIS, IEC 60664-1/AMD1 ED3: Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests, 01/03/2025

Lamps and related equipment (TC 34)

34D/1755/CD, IEC 60598-2-3 ED4: Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting, 02/14/2025

34D/1756/CD, IEC 60598-2-5 ED4: Luminaires - Part 2-5: Particular requirements - Floodlights, 02/14/2025

34/1285/CD, IEC 63560 ED1: Excimer sources for germicidal purpose - Safety specifications, 02/14/2025

34/1286/CD, IEC 63562 ED1: Germicidal equipment - Low-pressure mercury UV radiation sources for germicidal purpose - Safety specifications, 02/14/2025

Magnetic components and ferrite materials (TC 51)

51/1525/CDV, IEC/IEEE 61007-389 ED1: Transformers and inductors for use in electronic and telecommunication equipment - Measuring methods and test procedures, 02/14/2025

Piezoelectric and dielectric devices for frequency control and selection (TC 49)

49/1472/CD, IEC 63041-1 ED3: Piezoelectric sensors - Part 1: Generic specifications, 01/17/2025

49/1473/CD, IEC 63041-2 ED2: Piezoelectric sensors - Part 2: Chemical and biochemical sensors, 01/17/2025

49/1474/CD, IEC 63041-3 ED2: Piezoelectric sensors - Part 3: Physical sensors, 01/17/2025

Power system control and associated communications (TC 57)

57/2741/NP, PNW 57-2741 ED1: Power systems management and associated information exchange - Data and communications security - Part 14: Cyber security event logging, 02/14/2025

Safety of hand-held motor-operated electric tools (TC 116)

116/856/NP, PNW 116-856 ED1: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-17: Particular requirements for transportable table masonry saws, 02/14/2025

Safety of household and similar electrical appliances (TC 61)

61/7347/FDIS, IEC 60335-2-14 ED7: Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines, 01/03/2025

Semiconductor devices (TC 47)

47/2881/CDV, IEC 60749-23 ED2: Semiconductor devices - Mechanical and climatic test methods - Part 23: High temperature operating life, 02/14/2025

47F/492/CD, IEC 62047-51 ED1: Semiconductor Devices - Micro-electromechanical Devices - Part 51: Test method of electrical characteristics under two-directional cyclic bending deformation for flexible micro-electromechanical devices, 02/14/2025

Surface mounting technology (TC 91)

91/1996/FDIS, IEC 60194-2 ED2: Electronic assembly, design and circuit boards - Vocabulary - Part 2: Common usage in electronic technologies as well as electronic assembly technologies, 01/03/2025

(TC)

JTC3/56/CD, IEC/ISO TR 18157: Information technology - Introduction to quantum computing, 01/17/2025

(TC 130)

130/28/CD, IEC 63590-1 ED1: Cold storage equipment for medical use - Part 1: Terminology and classification, 01/17/2025

Wearable electronic devices and technologies (TC 124)

124/299/FDIS, IEC 63203-204-2 ED1: Wearable electronic devices and technologies - Part 204-2: Electronic textile - Test method to characterize electrical resistance change in knee and elbow bending test of e-textiles, 01/03/2025

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC41/475/NP, PNW JTC1-SC41-475 ED1: Internet of Things (IoT) - General requirements of IoT system for seized asset management, 02/14/2025

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

Biotechnology (TC 276)

ISO 24480:2024, Biotechnology - Validation of database used for nucleotide sequence evaluation, $166.00

Control and safety devices for non industrial gas-fired appliances and systems (TC 161)

ISO 23551-1:2024, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic shut-off valves, $194.00

ISO 23551-11:2024, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 11: Automatic and semi-automatic shut-off valves for operating pressure of above 500 kPa up to and including 6 300 kPa, $223.00

Ferroalloys (TC 132)

ISO 6331:2024, Chromium ores and concentrates - Determination of chromium content - Titrimetric method, $166.00

Ferrous metal pipes and metallic fittings (TC 5)

ISO 10803:2024, Design method for ductile iron pipes, $223.00

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

ISO 10855-1:2024, Offshore containers and associated lifting sets - Part 1: Design, manufacture and marking of offshore containers, $194.00

ISO 10855-2:2024, Offshore containers and associated lifting sets - Part 2: Design, manufacture and marking of lifting sets, $124.00

ISO 10855-3:2024, Offshore containers and associated lifting sets - Part 3: Periodic inspection, examination and testing, $166.00

Mechanical vibration and shock (TC 108)

ISO 16063-21:2003/Amd 2:2024, - Amendment 2: Methods for the calibration of vibration and shock transducers - Part 21: Vibration calibration by comparison to a reference transducer - Amendment 2, $23.00

Optics and optical instruments (TC 172)

ISO 7944:2024, Optics and photonics - Reference wavelengths, $54.00

ISO 12870:2024, Ophthalmic optics - Spectacle frames - Requirements and test methods, $223.00

ISO 13695:2024, Optics and photonics - Lasers and laser-related equipment - Test methods for the spectral characteristics of lasers, $166.00

Powder metallurgy (TC 119)

ISO 13947:2024, Metallic powders - Test method for the determination of non-metallic inclusions in metal powders using a powder-forged specimen, $54.00

Prosthetics and orthotics (TC 168)

ISO 13404-1:2024, Prosthetics and orthotics - External orthoses and orthotic components - Part 1: Uses, functions, classification and description of lower limb orthoses, $81.00

Pulleys and belts (including veebelts) (TC 41)

ISO 5288:2024, Synchronous belt drives - Vocabulary, $166.00

Quality management and corresponding general aspects for medical devices (TC 210)

ISO 80369-20:2024, Small-bore connectors for liquids and gases in healthcare applications - Part 20: Common test methods, $194.00

Railway applications (TC 269)

ISO 9879:2024, Railway applications - Rolling stock maintenance - Vocabulary, $81.00

Road vehicles (TC 22)

ISO 6727:2021/Amd 1:2024, - Amendment 1: Road vehicles - Motorcycles and mopeds - Symbols for controls, indicators and tell-tales - Amendment 1, $23.00

ISO 21498-2:2024, Electrically propelled road vehicles - Electrical specifications and tests for voltage class B systems and components - Part 2: Electrical tests for components, $223.00

Safety of machinery (TC 199)

ISO 13855:2024, Safety of machinery - Positioning of safeguards with respect to the approach of the human body, $250.00

Ships and marine technology (TC 8)

ISO 8933-1:2024, Ships and marine technology - Energy efficiency - Part 1: Energy efficiency of individual maritime components, $166.00

Steel (TC 17)

ISO 4991:2024, Steel castings for pressure purposes, $166.00

Sustainable development in communities (TC 268)

ISO 37179:2024, Smart community infrastructures - Disaster risk reduction - Basic framework for implementation, $81.00

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

ISO 7499:2024, Technical product documentation (TPD) - Unique integral feature identification (UIFI), $166.00

ISO 7533:2024, Technical product documentation (TPD) - Identification of specifications in the technical product documentation (TPD), $81.00

Technical systems and aids for disabled or handicapped persons (TC 173)

ISO 11199-2:2021/Amd 1:2024, - Amendment 1: Assistive products for walking manipulated by both arms - Requirements and test methods - Part 2: Rollators - Amendment 1: Removal of brake requirements, $23.00

Transport information and control systems (TC 204)

ISO 22086-2:2024, Intelligent transport systems (ITS) - Network-based precise positioning infrastructure for land transportation - Part 2: Functional requirements and data sets for nomadic devices, $124.00

ISO Technical Reports

Road vehicles (TC 22)

ISO/TR 12353-4:2024, Road vehicles - Traffic accident analysis - Part 4: Compilation of methodologies for assessment of vehicle safety system effectiveness, $194.00

ISO Technical Specifications

Clinical laboratory testing and in vitro diagnostic test systems (TC 212)

ISO/TS 16766:2024, Manufacturers' considerations for in vitro diagnostic medical devices in a public health emergency, $124.00

Fire safety (TC 92)

ISO/TS 12828-3:2024, Validation method for fire gas analysis - Part 3: Considerations related to interlaboratory trials, $81.00

Footwear (TC 216)

ISO/TS 20358:2024, Footwear - Performance requirements for components for footwear - Accessories, $54.00

ISO/TS 20939:2024, Footwear - Performance requirements for components for footwear - Outsoles, $54.00

ISO/TS 20952:2024, Footwear - Performance requirements for components for footwear - Uppers, $54.00

ISO/TS 20953:2024, Footwear - Performance requirements for components for footwear - Lining and insocks, $54.00

ISO/TS 20955:2024, Footwear - Performance requirements for components for footwear - Insoles, $54.00

ISO/TS 20961:2024, Footwear - Performance requirements for components for footwear - Shanks, $54.00

ISO/TS 20995:2024, Footwear - Performance requirements for components for footwear - Stiffeners and toe puffs, $54.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18975:2024, Information technology - Automatic identification and data capture techniques - Encoding and resolving identifiers over HTTP, $124.00

ISO/IEC TS 21419:2024, Information technology - Cross-jurisdictional and societal aspects of implementation of biometric technologies - Use of biometrics for identity management in healthcare, $166.00

IEC Standards

Electrical accessories (TC 23)

IEC 61008-1 Ed. 4.0 b:2024, Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules, $483.00

IEC 61009-1 Ed. 4.0 en:2024, Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules, $515.00

IEC 61008-2-1 Ed. 2.0 b:2024, Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 2-1: RCCBs according to classification 4.1.1, $193.00

IEC 61008-2-2 Ed. 2.0 b:2024, Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 2-2: RCCBs according to classification 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, $348.00

IEC 61009-2-1 Ed. 2.0 en:2024, Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 2-1: RCBOs according to classification 4.1.1, $193.00

IEC 61009-2-2 Ed. 2.0 en:2024, Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 2-2: RCBOs according to classification 4.1.2, 4.1.3, 4.1.4, 4.1.5 and 4.1.6, $303.00

Electrical installations of buildings (TC 64)

IEC 60364-4-42 Ed. 4.0 b:2024, Low-voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects, $303.00

IEC 60364-5-52 Amd.1 Ed. 3.0 b:2024, Amendment 1 - Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems, $26.00

IEC 60364-5-52 Ed. 3.1 en:2024, Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems, $773.00

Electromagnetic compatibility (TC 77)

IEC 61000-4-41 Ed. 1.0 b:2024, Electromagnetic compatibility (EMC) - Part 4-41: Testing and measurement techniques - Broadband radiated immunity tests, $386.00

Other

CISPR/TR 31 Ed. 3.0 en:2024, Description of the radio services database, $148.00

IEC Technical Specifications

Industrial-process measurement and control (TC 65)

IEC/TS 62453-43 Ed. 1.0 en:2024, Field device tool (FDT) interface specification - Part 43: Object model integration profile - CLI and HTML, $547.00

Switchgear and controlgear (TC 17)

IEC/TS 62271-316 Ed. 1.0 en:2024, High-voltage switchgear and controlgear - Part 316: Direct current by-pass switches and paralleling switches, $444.00

IEC/TS 62271-316 Ed. 1.0 en:2024 EXV, High-voltage switchgear and controlgear - Part 316: Direct current by-pass switches and paralleling switches, $932.00

International Electrotechnical Commission (IEC)

Call for Members (USNC)

US Representative Needed - Advisory Committee on Energy Efficiency (ACEE)

Comment Deadline: November 29, 2024

ACEE deals with energy efficiency matters which are not specific to one single technical committee of the IEC. It coordinates activities related to energy efficiency. ACEE is responsible for the assignment of horizontal energy efficiency aspects and requirements. ACEE provides guidance for implementation in a general perspective and for specific sectors. It encourages a systems perspective for the development of standards for energy efficiency and provides support for system considerations.

Individuals interested in serving as the US Representative on ACEE are invited to contact **Betty Barro at bbarro@ansi.org** by FRIDAY, November 29th 2024.

ACEE is responsible for the following guide:

· IEC Guide 118: Preparation of basic and group energy efficiency publications including energy efficiency aspects
· This Guide is addressed to all TCs and intends to support their work on energy efficiency publications within their specific scope.

Introduction to the IEC Guide 118:

· Energy efficiency is key to support energy policies while preserving the environment, thus contributing to UN Sustainable Development Goals.
· Many energy efficient technologies and solutions are already available and cost-effective; nevertheless, a variety of barriers inhibits the deployment of these technologies and impede harvesting their energy efficiency potential.
· Standardization can play an important role to help overcome these barriers and to disseminate and promote energy efficient technologies, solutions and services in order to overcome some of the barriers to the implementation of energy efficient technologies and solutions.
· IEC technical committees are encouraged to:
· consider energy efficiency in their standardization work;
· identify which aspects of energy efficiency are relevant for their standardization;
· use a structured approach when addressing energy efficiency;
· use a systems approach when addressing energy efficiency.

International Organization for Standardization (ISO)

Call for comment on ISO 26000:2010

Comment Deadline: January 17, 2025

ISO has initiated a systematic review of ISO 26000:2010 – "*Guidance on social responsibility*", which has the following scope statement:

ISO 26000:2010 provides guidance to all types of organizations, regardless of their size or location, on:

- *concepts, terms and definitions related to social responsibility;*
- *the background, trends and characteristics of social responsibility;*
- *principles and practices relating to social responsibility;*
- *the core subjects and issues of social responsibility;*
- *integrating, implementing and promoting socially responsible behaviour throughout the organization and, through its policies and practices, within its sphere of influence;*
- *identifying and engaging with stakeholders; and*
- *communicating commitments, performance and other information related to social responsibility.*

ISO 26000:2010 is intended to assist organizations in contributing to sustainable development. It is intended to encourage them to go beyond legal compliance, recognizing that compliance with law is a fundamental duty of any organization and an essential part of their social responsibility. It is intended to promote common understanding in the field of social responsibility, and to complement other instruments and initiatives for social responsibility, not to replace them.

In applying ISO 26000:2010, it is advisable that an organization take into consideration societal, environmental, legal, cultural, political and organizational diversity, as well as differences in economic conditions, while being consistent with international norms of behaviour.

ISO 26000:2010 is not a management system standard. It is not intended or appropriate for certification purposes or regulatory or contractual use. Any offer to certify, or claims to be certified, to ISO 26000 would be a misrepresentation of the intent and purpose and a misuse of ISO 26000:2010. As ISO 26000:2010 does not contain requirements, any such certification would not be a demonstration of conformity with ISO 26000:2010.

ISO 26000:2010 is intended to provide organizations with guidance concerning social responsibility and can be used as part of public policy activities. However, for the purposes of the Marrakech Agreement establishing the World Trade Organization (WTO), it is not intended to be interpreted as an "international standard", "guideline" or "recommendation", nor is it intended to provide a basis for any presumption or finding that a measure is consistent with WTO obligations. Further, it is not intended to provide a basis for legal actions, complaints, defences or other claims in any international, domestic or other proceeding, nor is it intended to be cited as evidence of the evolution of customary international law.

ISO 26000:2010 is not intended to prevent the development of national standards that are more specific, more demanding, or of a different type.

ANSI is seeking U.S. Stakeholders' input on ISO 26000:2010 to help ANSI determine if ANSI should vote revise, reconfirm as is, or withdraw the standard. Anyone wishing to review ISO 26000:2010 can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, January 24, 2025.**

International Organization for Standardization (ISO)

ISO Proposal for a New Field of ISO Technical Activity

Ports and Terminals

Comment Deadline: December 6, 2024

SAC, the ISO member body for China, has submitted to ISO a new work item proposal for the development of an ISO standard on Ports and Terminals, with the following scope statement:

Standardization in the field of ports and terminals, covering planning, implementation, operation, upgrading, demolition and repurposing stages. It will include scheduling, design, controlling, monitoring and inspection, optimization of resource allocating, integrated state-of-the-art technology solutions, regardless of scales, types, or transitioning of goods or passengers, whether located on the coastline or inland rivers, aiming to improve efficiency, effectiveness, coordination, working conditions and professions, towards achieving sustainable development of ports and terminals.

Excluded: Relevant work within the scopes of the following committees:

- *Ships and marine technology (ISO/TC 8)*
- *Production, transport and storage facilities for cryogenic liquefied gases (ISO/TC 67/SC 9)*
- *Cranes (ISO/TC 96)*
- *Industrial trucks (ISO/TC 110)*
- *Tourism and related services (ISO/TC 228)*
- *Sustainable cities and communities (ISO/TC 268)*
- *Innovative logistics (ISO/TC 344)*

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, December 6, 2024.

Registration of Organization Names in the United States

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

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

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

Online Resources:
WTO's ePing SPS&TBT platform: https://epingalert.org/
Register for ePing: https://epingalert.org/en/Account/Registration
WTO committee on Agriculture, Sanitary and Phytosanitary (SPS) measures:
https://www.wto.org/english/tratop_e/sps_e/sps_e.htm
WTO Committee on Technical Barriers to Trade (TBT): https://www.wto.org/english/tratop_e/tbt_e/tbt_e.htm
USA TBT Enquiry Point: https://www.nist.gov/standardsgov/usa-wto-tbt-enquiry-point
Comment guidance:
https://www.nist.gov/standardsgov/guidance-us-stakeholders-commenting-notifications-made-wto-members-tbt-committee
NIST: https://www.nist.gov/
TANC: https://www.trade.gov/office-trade-agreements-negotiation-and-compliance-tanc
Examples of TBTs: https://tcc.export.gov/report_a_barrier/trade_barrier_examples/index.asp.
Report Trade Barriers: https://tcc.export.gov/Report_a_Barrier/index.asp.
USDA FAS: https://www.fas.usda.gov/about-fas
FAS contribution to free trade agreements: https://www.fas.usda.gov/topics/trade-policy/trade-agreements
Tracking regulatory changes: https://www.fas.usda.gov/tracking-regulatory-changes-wto-members
USTR WAMA: https://ustr.gov/trade-agreements/wto-multilateral-affairs/wto-issues/technical-barriers-trade
Contact the USA TBT Enquiry Point at (301) 975-2918; E usatbtep@nist.gov or notifyus@nist.gov.

2025 Standards Action Publishing | Volume No. 56

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

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

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
01	12/17/2024	12/23/2024	Jan 3	2/2/2025	2/17/2025	3/4/2025
02	12/24/2024	12/30/2024	Jan 10	2/9/2025	2/24/2025	3/11/2025
03	12/31/2024	1/6/2025	Jan 17	2/16/2025	3/3/2025	3/18/2025
04	1/7/2025	1/13/2025	Jan 24	2/23/2025	3/10/2025	3/25/2025
05	1/14/2025	1/20/2025	Jan 31	3/2/2025	3/17/2025	4/1/2025
06	1/21/2025	1/27/2025	Feb 7	3/9/2025	3/24/2025	4/8/2025
07	1/28/2025	2/3/2025	Feb 14	3/16/2025	3/31/2025	4/15/2025
08	2/4/2025	2/10/2025	Feb 21	3/23/2025	4/7/2025	4/22/2025
09	2/11/2025	2/17/2025	Feb 28	3/30/2025	4/14/2025	4/29/2025
10	2/18/2025	2/24/2025	Mar 7	4/6/2025	4/21/2025	5/6/2025
11	2/25/2025	3/3/2025	Mar 14	4/13/2025	4/28/2025	5/13/2025
12	3/4/2025	3/10/2025	Mar 21	4/20/2025	5/5/2025	5/20/2025
13	3/11/2025	3/17/2025	Mar 28	4/27/2025	5/12/2025	5/27/2025
14	3/18/2025	3/24/2025	Apr 4	5/4/2025	5/19/2025	6/3/2025
15	3/25/2025	3/31/2025	Apr 11	5/11/2025	5/26/2025	6/10/2025
16	4/1/2025	4/7/2025	Apr 18	5/18/2025	6/2/2025	6/17/2025
17	4/8/2025	4/14/2025	Apr 25	5/25/2025	6/9/2025	6/24/2025
18	4/15/2025	4/21/2025	May 2	6/1/2025	6/16/2025	7/1/2025
19	4/22/2025	4/28/2025	May 9	6/8/2025	6/23/2025	7/8/2025
20	4/29/2025	5/5/2025	May 16	6/15/2025	6/30/2025	7/15/2025
21	5/6/2025	5/12/2025	May 23	6/22/2025	7/7/2025	7/22/2025
22	5/13/2025	5/19/2025	May 30	6/29/2025	7/14/2025	7/29/2025
23	5/20/2025	5/26/2025	Jun 6	7/6/2025	7/21/2025	8/5/2025
24	5/27/2025	6/2/2025	Jun 13	7/13/2025	7/28/2025	8/12/2025
25	6/3/2025	6/9/2025	Jun 20	7/20/2025	8/4/2025	8/19/2025
26	6/10/2025	6/16/2025	Jun 27	7/27/2025	8/11/2025	8/26/2025
27	6/17/2025	6/23/2025	Jul 4	8/3/2025	8/18/2025	9/2/2025
28	6/24/2025	6/30/2025	Jul 11	8/10/2025	8/25/2025	9/9/2025
29	7/1/2025	7/7/2025	Jul 18	8/17/2025	9/1/2025	9/16/2025

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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
30	7/8/2025	7/14/2025	Jul 25	8/24/2025	9/8/2025	9/23/2025
31	7/15/2025	7/21/2025	Aug 1	8/31/2025	9/15/2025	9/30/2025
32	7/22/2025	7/28/2025	Aug 8	9/7/2025	9/22/2025	10/7/2025
33	7/29/2025	8/4/2025	Aug 15	9/14/2025	9/29/2025	10/14/2025
34	8/5/2025	8/11/2025	Aug 22	9/21/2025	10/6/2025	10/21/2025
35	8/12/2025	8/18/2025	Aug 29	9/28/2025	10/13/2025	10/28/2025
36	8/19/2025	8/25/2025	Sep 5	10/5/2025	10/20/2025	11/4/2025
37	8/26/2025	9/1/2025	Sep 12	10/12/2025	10/27/2025	11/11/2025
38	9/2/2025	9/8/2025	Sep 19	10/19/2025	11/3/2025	11/18/2025
39	9/9/2025	9/15/2025	Sep 26	10/26/2025	11/10/2025	11/25/2025
40	9/16/2025	9/22/2025	Oct 3	11/2/2025	11/17/2025	12/2/2025
41	9/23/2025	9/29/2025	Oct 10	11/9/2025	11/24/2025	12/9/2025
42	9/30/2025	10/6/2025	Oct 17	11/16/2025	12/1/2025	12/16/2025
43	10/7/2025	10/13/2025	Oct 24	11/23/2025	12/8/2025	12/23/2025
44	10/14/2025	10/20/2025	Oct 31	11/30/2025	12/15/2025	12/30/2025
45	10/21/2025	10/27/2025	Nov 7	12/7/2025	12/22/2025	1/6/2026
46	10/28/2025	11/3/2025	Nov 14	12/14/2025	12/29/2025	1/13/2026
47	11/4/2025	11/10/2025	Nov 21	12/21/2025	1/5/2026	1/20/2026
48	11/11/2025	11/17/2025	Nov 28	12/28/2025	1/12/2026	1/27/2026
49	11/18/2025	11/24/2025	Dec 5	1/4/2026	1/19/2026	2/3/2026
50	11/25/2025	12/1/2025	Dec 12	1/11/2026	1/26/2026	2/10/2026
51	12/2/2025	12/8/2025	Dec 19	1/18/2026	2/2/2026	2/17/2026
52	12/9/2025	12/15/2025	Dec 26	1/25/2026	2/9/2026	2/24/2026

[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 Carpet

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2.1 Normative references

AATCC Test Method 134-~~2006~~ 2022, *Electrostatic Propensity of Carpets*

AATCC Test Method 16-~~2004~~ 2020, *Colorfastness to Light*

ASTM D5252-~~05~~ 24, *Standard Practice for the Operation of the Hexapod Drum Tester*

ASTM D1335-~~05~~ 21, *Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings*

ASTM D3936-~~05~~ 21, *Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering*

ASTM E648-~~06a~~ 23, *Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source*

ASTM E662-~~06~~ 21, *Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials*

ASTM D7330-22, *Standard Test Method for Assessment of Surface Appearance Change in Pile Floor Coverings Using Standard Reference Scales*

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ISO 9001: ~~2000~~ 2015, *Quality management systems – Requirements*

ISO 14001: ~~2004~~ 2015, *Environmental management systems – Requirements with guidance for use*

ISO 14021:~~1999~~ 2021, *Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling)*

ISO 14040:~~2006~~ 2022, *Environmental management – Life cycle assessment – Principles and framework*

ISO 14041: 1998, *Environmental management – Life cycle assessment – Goal and scope definition and inventory analysis*

ISO 14042: 2000, *Environmental management – Life cycle assessment – Life cycle impact assessment*
ISO 14044: ~~2006~~ 2022, *Environmental management – Life cycle assessment – Requirements and guidelines*

ISO 14047: ~~2003~~ 2012*, Environmental management – Life cycle impact assessment – Examples of application of ISO 14042*

ISO 14048: ~~2002~~ 2020*, Environmental management – Life cycle assessment – Data documentation format*

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Rationale: CRI Test Method 101 is no longer used. ASTM D7330 is essentially the same and has been reviewed though laboratory tests and balloted. Dates on other documents have been updated to the most recent version.

[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 40
for Wastewater Technology –

Residential Wastewater Treatment Systems

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8.4 Analytical descriptions

8.4.1 pH, TSS, BOD5, and CBOD5

The pH, TSS, and BOD5 of the collected influent and the pH, TSS and CBOD5 of the collected effluent 24-h composite samples shall be determined with the appropriate methods in *Standard Methods*[4] or an alternate validated method with documented equivalent performance for each listed parameter. Grab samples shall be collected during the morning dosing period for gravity flow systems and during a time of discharge for systems that are pump discharged.

NOTE — *Standards Methods*[Error! Bookmark not defined.] requires pH and temperature to be sampled as grab samples.

8.4.2 Color, odor, oily film, and foam

8.4.2.1 General

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Tracking number 40i62r1 et al
© 2024 NSF
Multiple revisions to 40i62r1, 46i47r1, 245i39r1, 350i83r1

Revision to NSF/ANSI 40-2023
Issue 62, Revision 1 (November 2024)

NSF/ANSI Standard 46
for Wastewater Technology –

Evaluation of Components and Devices Used in Wastewater Treatment Systems

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7 Performance testing and evaluation

Performance testing and evaluation shall be independent of design and construction. However, structural weaknesses, undesirable noise, and other environmental defects and failures during the test shall be described in the final report (see Section 8).

7.1 The device shall be operated and maintained according to the manufacturer's instructions. If these instructions conflict with the performance testing and evaluation protocols of this standard, the protocols contained in this standard shall apply.

7.2 All sample collection and analytical methods shall be those established in *Standard Methods*,[3] or an alternate validated method with documented equivalent performance except as otherwise specified.

7.3 The duration of the evaluation period shall be sufficient to ensure that results are reliable and applicable to anticipated operating conditions. The length of the evaluation period shall be specified in the test report.

8 Final report

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NSF/ANSI Standard 245
for Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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8.3.3 Analyses

The samples collected as described in Sections 8.3.1 and 8.3.2 shall be analyzed as follows:

Parameter	Sample type	Sample location		Testing location
		Raw influent	Treated effluent	
BOD_5	24-h composite	X	—	laboratory
$CBOD_5$	24-h composite	—	X	laboratory
total suspended solids (TSS)	24-h composite	X	X	laboratory
pH	grab	X	X	test site
temperature (°C)	grab	X	X	test site
dissolved oxygen (DO)	grab	—	X	test site
alkalinity (as $CaCO_3$)	24-h composite	X	X	laboratory
TKN (as N)	24-h composite	X	X	laboratory
ammonia-N (as N)	24-h composite	X	X	laboratory
nitrite / nitrate-N (as N)	24-h composite	X	X	laboratory

8.3.4 Analytical methods

The appropriate methods in *Standard Methods*[4] or an alternate validated method with documented equivalent performance shall be used to complete the analyses indicated in Section 8.3.3.

8.3.5 Pressure and flow

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NSF/ANSI Standard 350

for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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7 Other documentation

The manufacturer shall prepare and maintain documentation for each system including, at a minimum:

— a basic description of the system;
— drawings of the system;
— design basis data; and
— a comprehensive and detailed discussion of process fundamentals.

8 Performance testing and evaluation

The analytical methods listed in Table N-1.2 shall be used for testing. Alternate validated methods with documented equivalent performance are permissible~~, provided equivalency is demonstrated by technical review and the review is documented. An equivalent method involves the same measurement technique. Equivalent methods are known to be capable of generating reliable results to equivalent quality requirements~~. All sample collection methods shall be in accordance with *Standard Methods*[5] unless otherwise specified.

8.1 Greywater treatment systems with capacities up to 5,678 LPD (1,500 GPD)

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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 40
for Wastewater Technology –

Residential Wastewater Treatment Systems

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8.4 Analytical descriptions

8.4.1 pH, TSS, BOD5, and CBOD5

The pH, TSS, and BOD5 of the collected influent and the pH, TSS and CBOD5 of the collected effluent 24-h composite samples shall be determined with the appropriate methods in *Standard Methods*[4] or an alternate validated method with documented equivalent performance for each listed parameter. Grab samples shall be collected during the morning dosing period for gravity flow systems and during a time of discharge for systems that are pump discharged.

NOTE — *Standards Methods*[Error! Bookmark not defined.] requires pH and temperature to be sampled as grab samples.

8.4.2 Color, odor, oily film, and foam

8.4.2.1 General

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NSF/ANSI Standard 46
for Wastewater Technology –

Evaluation of Components and Devices Used in Wastewater Treatment Systems

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7 Performance testing and evaluation

Performance testing and evaluation shall be independent of design and construction. However, structural weaknesses, undesirable noise, and other environmental defects and failures during the test shall be described in the final report (see Section 8).

7.1 The device shall be operated and maintained according to the manufacturer's instructions. If these instructions conflict with the performance testing and evaluation protocols of this standard, the protocols contained in this standard shall apply.

7.2 All sample collection and analytical methods shall be those established in *Standard Methods*,[3] or an alternate validated method with documented equivalent performance except as otherwise specified.

7.3 The duration of the evaluation period shall be sufficient to ensure that results are reliable and applicable to anticipated operating conditions. The length of the evaluation period shall be specified in the test report.

8 Final report

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NSF/ANSI Standard 245
for Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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8.3.3 Analyses

The samples collected as described in Sections 8.3.1 and 8.3.2 shall be analyzed as follows:

Parameter	Sample type	Sample location		Testing location
		Raw influent	Treated effluent	
BOD_5	24-h composite	X	—	laboratory
$CBOD_5$	24-h composite	—	X	laboratory
total suspended solids (TSS)	24-h composite	X	X	laboratory
pH	grab	X	X	test site
temperature (°C)	grab	X	X	test site
dissolved oxygen (DO)	grab	—	X	test site
alkalinity (as $CaCO_3$)	24-h composite	X	X	laboratory
TKN (as N)	24-h composite	X	X	laboratory
ammonia-N (as N)	24-h composite	X	X	laboratory
nitrite / nitrate-N (as N)	24-h composite	X	X	laboratory

8.3.4 Analytical methods

The appropriate methods in *Standard Methods*[4] or an alternate validated method with documented equivalent performance shall be used to complete the analyses indicated in Section 8.3.3.

8.3.5 Pressure and flow

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NSF/ANSI Standard 350

for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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7 Other documentation

The manufacturer shall prepare and maintain documentation for each system including, at a minimum:

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8.1 Greywater treatment systems with capacities up to 5,678 LPD (1,500 GPD)

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NSF/ANSI Standard 40
for Wastewater Technology –

Residential Wastewater Treatment Systems

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NOTE — *Standards Methods*[Error! Bookmark not defined.] requires pH and temperature to be sampled as grab samples.

8.4.2 Color, odor, oily film, and foam

8.4.2.1 General

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Tracking number 40i62r1 et al
© 2024 NSF
Multiple revisions to 40i62r1, 46i47r1, 245i39r1, 350i83r1

Revision to NSF/ANSI 40-2023
Issue 62, Revision 1 (November 2024)

NSF/ANSI Standard 46
for Wastewater Technology –

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8 Final report

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NSF/ANSI Standard 245
for Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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$CBOD_5$	24-h composite	—	X	laboratory
total suspended solids (TSS)	24-h composite	X	X	laboratory
pH	grab	X	X	test site
temperature (°C)	grab	X	X	test site
dissolved oxygen (DO)	grab	—	X	test site
alkalinity (as $CaCO_3$)	24-h composite	X	X	laboratory
TKN (as N)	24-h composite	X	X	laboratory
ammonia-N (as N)	24-h composite	X	X	laboratory
nitrite / nitrate-N (as N)	24-h composite	X	X	laboratory

8.3.4 Analytical methods

The appropriate methods in *Standard Methods*[4] or an alternate validated method with documented equivalent performance shall be used to complete the analyses indicated in Section 8.3.3.

8.3.5 Pressure and flow

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NSF/ANSI Standard 350

for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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8.1 Greywater treatment systems with capacities up to 5,678 LPD (1,500 GPD)

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NSF/ANSI Standard 40
for Wastewater Technology –

Residential Wastewater Treatment Systems

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for Wastewater Technology –

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7.3 The duration of the evaluation period shall be sufficient to ensure that results are reliable and applicable to anticipated operating conditions. The length of the evaluation period shall be specified in the test report.

8 Final report

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NSF/ANSI Standard 245
for Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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$CBOD_5$	24-h composite	—	X	laboratory
total suspended solids (TSS)	24-h composite	X	X	laboratory
pH	grab	X	X	test site
temperature (°C)	grab	X	X	test site
dissolved oxygen (DO)	grab	—	X	test site
alkalinity (as $CaCO_3$)	24-h composite	X	X	laboratory
TKN (as N)	24-h composite	X	X	laboratory
ammonia-N (as N)	24-h composite	X	X	laboratory
nitrite / nitrate-N (as N)	24-h composite	X	X	laboratory

8.3.4 Analytical methods

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8.3.5 Pressure and flow

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NSF/ANSI Standard 350

for Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

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8.1 Greywater treatment systems with capacities up to 5,678 LPD (1,500 GPD)

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BSR/ASHRAE Addendum h to
ANSI/ASHRAE Standard 30-2019

Public Review Draft

Proposed Addendum h to Standard 30-2019, Method of Testing Liquid Chillers

First Public Review (November 2024)
(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 www.ashrae.org/standards-research--technology/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).

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ASHRAE, 180 Technology Parkway, 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.)

FOREWORD

ASHRAE Standard 30 prescribes methods for obtaining performance data relating to *liquid-chilling* or *liquid-heating* equipment using any type of compressor. The intent of this standard is to provide uniform test methods to measure the performance of this equipment by addressing the test and instrumentation requirements, test procedures, data to be recorded, and calculations to generate and confirm valid test results.

Addendum 'h' includes the following revisions:

A. Section 8.2.1 is updated to state that all heat exchangers connected to the chiller shall remain connected for the duration of the test.
B. Clarify that remote tubing lengths and sizes must be specified in the test plan. For example, If this standard is used to support testing in accordance with AHRI 550/590: For standard rating tests the tubing length shall be 25'; For other rating conditions the length may vary per the test plan.
C. Add the requirement that redundant voltage measurements must be within ±2%.
D. Clarify the Operation Condition Tolerance and Stability Criteria during Fan Cycling.

Addendum h to ANSI/ASHRAE Standard 30-2019

Update Section 6.4 as shown below.

6.4 Plan. A test plan shall document all requirements for conducting the test. This includes a list of the required full-load and part-load test points and associated operating conditions, including adjusted liquid temperature targets based on the rated fouling factor allowance. In addition to the requirements specifically listed in this standard the test plan shall include intended heat exchanger operation (useful or not) and all other input signals or controls positions necessary to place the chiller in the operating mode for each test to be performed.

For remote heat exchangers the tubing line sizes, insulation, and details of installation shall be defined in the test plan.

Add Section 6.7.4.1.5 as shown below.

6.7.4.1.5 Redundant Voltage Measurement. Where redundant voltage measurement is required, the difference between the average voltage and either measurement shall be less than 2%.

Update Section 8.2.1 as shown below.

8.2.1 Setup. The chiller package to be tested shall be set up at the test facility in accordance with the manufacturer's instructions, including but not limited to support of installation mounting points, connections for liquid, connections for power supply, test instrumentation, charging of refrigerant or oil, etc. All **liquid ↔ refrigerant heat exchangers** shall remain connected for the duration of the test. Non-condensable gases, if present, shall be removed from the system.

Add Section 8.2.1.2 as shown below.

8.2.1.2 Refrigerant Tubing for Remote Heat Exchangers. The unit shall be installed with interconnecting refrigerant tubing as defined in the test plan. All refrigerant tubing and components shall be installed within the same test room as all other parts of the tested equipment. Refrigerant tubing line sizes, insulation, and details of installation shall be in accordance with the test plan and shall be recorded prior to testing.

Modify Table 6-6 as shown below.

Table 6-6 Definition of *Operating Condition Tolerances* and Stability Criteria

Heat Exchanger **Type**	**Measurement or Calculation Result**			**Values Calculated from Data Samples**		***Operating Condition Tolerance*** **Limits**	**Stability Criteria**
				Mean	**Std. Dev.**		
Air ↔ *Refrigerant* Not as Useful *Capacity*	*Air Temperature* [c]	Entering	Dry Bulb	$\overline{T}$	s_T	Heat Rejection with Fan Cycling: $\left\|\overline{T} - T_{target}\right\| \leq 0.56\ \Delta°C\ [1.00\ \Delta°F]$	$s_T \leq 0.42\ \Delta°C\ [0.75\ \Delta°F]$
						When non-frosting: $\left\|\overline{T} - T_{target}\right\| \leq 0.56\ \Delta°C\ [1.00\ \Delta°F]$	When non-frosting: $s_T \leq 0.42\ \Delta°C\ [0.75\ \Delta°F]$
						When frosting: $\left\|\overline{T} - T_{target}\right\| \leq 1.11\ \Delta°C\ [2.00\ \Delta°F]$	When frosting: $s_T \leq 0.56\ \Delta°C\ [1.00\ \Delta°F]$
						During defrost cycle: No requirement	During defrost cycle: $s_T \leq 1.39\ \Delta°C\ [2.50\ \Delta°F]$
			Wet Bulb			When non-frosting: $\left\|\overline{T} - T_{target}\right\| \leq 0.56\ \Delta°C\ [1.00\ \Delta°F]$	$s_T \leq 0.28\ \Delta°C\ [0.50\ \Delta°F]$
						When frosting: $\left\|\overline{T} - T_{target}\right\| \leq 0.83\ \Delta°C\ [1.50\ \Delta°F]$	When frosting: $s_T \leq 0.42\ \Delta°C\ [0.75\ \Delta°F]$

BSR/ASHRAE/IES Addendum aj
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum aj to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Second Public Review (November 2024)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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 www.ashrae.org/standards-research--technology/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).

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FOREWORD

This independent substantive change is in response to comments. There are two changes:

1. The text in Section 6.5.6.4.1 has been modified to make it clear that supplemental heat can operate as long as 100% of the recovered heat is used at that moment.
2. A definition for thermodynamic heat recovery, which uses a refrigerant circuit for exhaust air energy recovery, has been added, and that method has been added as an option in Section 6.5.6.4.2

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

Addendum aj to 90.1-2022

Modify Section 6.5.6.4 as follows (IP and SI units):

Add a definition to Section 3.2

heat pump exhaust air energy recovery: Energy recovery based on reversible heat pump technology that employs exhaust air as a heat source or sink by diverting the exhaust air to the DX coil before it is ejected outdoors by means of an additional DX coil integrated in the main refrigerant circuit or a dedicated refrigerant circuit to optimize the free cooling or free heating mode.

6.5.6.4 Energy Recovery for Indoor Pools

6.5.6.4.1 Dehumidification Energy Recovery. Space dehumidification systems using mechanically cooled *indoor pool dehumidifiers* where the total surface area of indoor *pool* water heated to 94ºF (34ºC) or less, is greater than 400 ft^2 (37 m^2), shall be capable of and configured to use condenser heat for *pool* water heating or natatorium space heating. Other equipment for heating indoor *pool* water to 94ºF (34ºC) or less, or for natatorium space heating shall not be used until 100 percent of the available condenser heat rejection energy is being used. ~~consumed.~~

6.5.6.4.2 Exhaust Air Energy Recovery. Ventilation systems for spaces where the design exhaust airflow is greater than the values in Table 6.5.6.4 for the indoor dry bulb air design temperature shall employ an exhaust air energy recovery system that complies with the following:
1. Has energy recovery of at least 50% when calculated at design conditions as the change in the dry-bulb temperature of the outdoor air supply divided by the difference between the outdoor air and entering exhaust air dry-bulb temperatures, expressed as a percentage, or uses *heat pump exhaust air energy recovery*.

2. Does not transfer moisture to the outdoor airstream in the A and C climate zones.
3. Is capable of managing condensate from the exhaust air stream in the A and C climate zones.

Note: Moisture transfer to the outdoor airstream is permitted in Climate Zone 7, Climate Zone 8, and all B climate zones.

BSR/ASHRAE/IES Addendum aq
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum aq to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Second Public Review (November 2024)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

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FOREWORD

This independent substantive change (ISC) modifies the addendum to exempt buildings in climate zone 8 from the on-site renewable energy requirements based upon updated cost effectiveness analysis. It also corrects an editorial mistake in Section 10.5.1.3 for the term IRE_{ON} where certain words were mistakenly not deleted in the I-P version, but were correctly deleted in the SI version. This term relates to the credit for any partial amount on-site renewable energy installed on a building when calculating the amount of off-site renewable energy required to be procured, not the system capacity requirement referred to in Section 10.5.1.1.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by <u>underlining</u> (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 previous draft 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 substantive changes.]

Addendum aq to 90.1-2022

Modify Section 10.5 as shown:

10.5 Prescriptive Compliance Path

10.5.1 Renewable Energy Resources. *Buildings* shall be served by *renewable energy resources* in accordance with either Section 10.5.1.1 or Section 10.5.1.2 or a combination thereof in accordance with Section 10.5.1.2.

Exceptions to 10.5.1:

1. *Buildings* or *additions* in which the sum of the *gross conditioned floor area* of the three largest floors of the *building* or *addition* is less than 10,000 ft2 (930 m2).
2. <u>*Buildings* or *additions* in Climate Zone 8.</u>
3. ~~2~~. *Alterations*.
4. ~~3~~. Projects meeting the requirements of Section 10.5.1.4.

…

10.5.1.3 Off-Site Renewable Energy Procurement.

…

(I-P edition)

IRE_{ON} = *on-site renewable energy* generation installed capacity in W or Btu/h ~~in accordance with Section 10.5.1.1~~

(SI edition)

IRE_{ON} = *on-site renewable energy* generation installed capacity in W

Rest of section unchanged

BSR/ASHRAE/IES Addendum as to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum as to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

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(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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FOREWORD

Standard 205-2023 was published by ASHRAE and is titled "Representation of Performance Data for HVAC&R and Other Facility Equipment," which defines the formats for describing detailed performance data for chillers, unitary equipment, fan assemblies, direct expansion systems, motors, motor drives, and mechanical drives. This performance data is expected to be published by manufacturers of the equipment and primarily used by building energy modeling software. The SSPC 205 committee is continuing to work on expanding this list of data formats for other types of equipment primarily focused on HVAC. To represent performance data as accurately as possible, the formats described in Standard 205 are all in the form of data tables and keyword-value pairs. The tables and keywords vary by the type of equipment. In no case are traditional performance curves used in 205. To make sure that data and software that supports the 205 formats can be used as part of one of 90.1 performance paths, this proposal substitutes a newly defined term, "expanded performance data," for most locations in 90.1 that used to reference "performance curves."
This addendum impacts the optional performance paths in the standard designed to provide increased flexibility and, therefore, was not subjected to cost-effectiveness analysis.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

Addendum as to 90.1-2022

Revise Section 3.2 Definitions, Abbreviations, and Acronyms as follows:

***Expanded performance data*:** Detailed performance characteristics, provided by the manufacturer or by a nationally recognized third party, for the *equipment* accounting ~~that accounts~~ for the variation of ~~the~~ capacity and energy consumption of that *equipment* at varying part-load conditions, operating temperatures, and other conditions, expressed as one or more matrices of data, performance curves, or mathematical equations along with the properties needed to describe the expected operating range of the *equipment*.

BSR/ASHRAE/IES Addendum bg
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum bg to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (November 2024)
(Draft Shows Proposed Changes to Current Standard)

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ASHRAE, 180 Technology Parkway NW, Peachtree Corners, GA 30092

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FOREWORD

The revision makes clear that, where present, all layered board insulation shall be offset. Additionally, where that insulation is above a roof deck, it shall be installed in two layers where the joints are offset. A single layer is limited to the portion of a taper adjacent to a drain element. The cost of installing two layers of insulation instead of one is not significant and is common practice.

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Addendum bg to 90.1-2022

Modify Section 5 as follows (IP and SI units):

5.5.3.1.3 Joints in Roof Insulation. Joints in the insulation shall be installed in accordance with Section 5.8.1.10.

[. . .]

5.8.1.10 Joints in Rigid Insulation. Where two or more layers of rigid insulation board are used in a construction assembly, the edge joints ~~between~~ <u>of adjacent layers</u> ~~each layer of boards~~ shall be ~~staggered~~ <u>offset</u>.

Add New Section 5.8.1.10.1 as follows (IP and SI units):

<u>**5.8.1.10.1 Insulation entirely above roof deck.** Roof insulation installed entirely above the roof deck shall be installed in not less than two layers. Edge joints of adjacent layers shall be offset. The insulation shall be permitted to taper to a single layer at gutter edges, roof drains, or scuppers.</u>

BSR/ASHRAE/IES Addendum bl
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

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FOREWORD

Definition changes - Although the aquatics industry breaks down the types of pools and spas further than what is being proposed, this proposal attempts to only make changes to what is necessary, as follows:

- Removes whirlpool as this is a type of bathtub and not a pool or spa.
- Adds in therapy as an activity that can be done in a pool, to ensure therapy pools are covered.
- Clarifies that a portable electric spa (PES) is not a pool, providing a separate definition for PES that follows the US Department of Energy definition, adding into the definition that to qualify as a PES they must also be tested the ANSI/APSP/ICC-14 Standard or Appendix GG to 10 CFR Part 430.

Additional background for the PES changes: The US Department of Energy has established a test procedure for portable electric spas (PES) and is expected to issue a notice of proposed rulemaking for a corresponding energy conservation standard any day now. Therefore, the definition of pool notes that PES are not included. It then defines a PES, which follows how the US Department of Energy has defined this factory-built appliance and follows what the aquatics industry considers a PES.
The ANSI/APSP/ICC-14 Standard, 2019 edition, is the Energy Efficiency Standard for PES that has been adopted in California Title 20 and in the International Swimming Pool & Spa Code and International Energy & Conservation Code.

Pool Cover Requirements – the 90.1 standard currently has the same energy pool/spa requirements that the International Swimming Pool & Spa Code (ISPSC), and International Energy & Conservation Code (IECC), but for the pool cover section. The proposal attempts to align those requirements by:

- Clarifying we are talking about outdoor pools.
- Striking the R-12 cover requirement.
- Increasing the stringency that one must meet to fall under the exception from having a vapor-retardant pool cover, if the pool is heated.

Additional background for the removal of an R-12 cover: for those types of artificial bodies of water defined under *pool*, R values are not an industry norm when manufacturing pool covers and are rarely discussed. Further, but for a rare case of a custom built cover, there are no R-12 covers to provide those who would attempt to meet the current 90.1 requirement. The critical aspect is that a *pool* that is heated is covered with any type of vapor retardant cover. The US DOE provides information on how using a pool cover can significantly reduce swimming pool heating costs, but by far the largest source of energy loss is water evaporation, which pool covers also minimize.

DOE says on their website that "Covering a pool when it is not in use is the single most effective means of reducing pool heating costs. Savings of 50%–70% are possible." They do not say cover a pool with an R-12 cover, in fact, R-12 covers, if required, would encourage consumers to not use the cover as they would be too unwieldy and heavy to take on and off. It can be difficult to encourage compliance with any type of cover; by eliminating the R-12 cover requirement, the focus can be on providing a vapor retardant cover on a heated *pool* that will provide the benefits as cited by the DOE. This could be a thermal, solar bubble cover, or an automatic pool cover, which also provides the additional benefit of complying with safety barrier requirements for water safety purposes.

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Addendum bl to 90.1-2022

Modify a definition and Add another to Section 3.2 (SI and I-P):

pool: any *structure*, basin, or tank containing an artificial body of water for swimming, diving, therapy, or recreational bathing. The term includes (but is not limited to) swimming *pool*, ~~whirlpools,~~ and spas~~,~~ and hot tubs that are not *portable electric spas*.

portable electric spa: a factory-built electric spa or hot tub, supplied with equipment for heating and circulating water at the time of sale or sold separately for subsequent attachment, and tested to APSP 14 or Appendix GG to 10 CFR Part 430.

Modify Section 7.4.5.1 as follows:

7.4.5.2 Pool Covers. Outdoor H~~h~~eated *pools* shall be equipped with a vapor retardant *pool* cover on or at the water surface. ~~*Pools* heated to more than 90°F shall have a *pool* cover with a minimum insulation value of R-12.~~

Exception to 7.4.5.2: *Pools* deriving over ~~60~~75% of the energy for heating, computed over an operating season of not fewer than 3 calendar months, from *site-recovered energy* or *on-site renewable energy*.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15.2-2024

First Public Review Draft

Proposed Addendum a to Standard 15.2-2024, Safety Standard for Refrigeration Systems

First Public Review (November 2024)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This proposed addendum is modifying Section 8 by eliminating one of the options for field applied joints, 8.2.5.1.c. The committee determined that Option c did not have the requirements for compliance delineated, and the committee wanted all field joints to be either brazed or to be a mechanical joint in compliance with UL 207. In addition, Option b was clarified to follow manufacturer instructions to provide a clearer reference for the AHJ.

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Addendum a to Standard 15.2-2022

Modify Section 8 as follows. The remainder of Section 8 remains unchanged.

8.5.2.1 **Field Applied Joints.** Where a *refrigeration system* is installed with field-applied joints indoors, the joints *shall* be one of the following and *shall* meet the provisions of Section 8, "*Piping* Requirements," and tested per the requirements of Section 10.5, "*Refrigerant Piping* System Test":

a. *Brazed* or welded *joints*
b. *Mechanical joints listed* to UL 207[6] and installed ~~in compliance with UL 207~~[6] according to *manufacturer's installation instructions*
~~c. Enclosed in a manner that will direct a leak in the joint to the *appliance* with a *refrigerant detection system* or to the outdoors~~

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15-2024

First Public Review Draft

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FOREWORD

In response to a continuous maintenance proposal, this addendum revises portions of Standard 15 related to refrigerant pipe shafts. The proposed modifications will result in an exemption to requiring a pipe shaft for continuous pipe and tube. The proposed modifications also clarify section 7.2.3.1.1 regarding the application of exempt spaces applying to the pipes, tubes, joints, and connections.

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Addendum a to Standard 15-2024

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

7.2.3.1.1 Exempted Spaces. The areas that contain only continuous ~~*refrigerant piping,* or contain only~~ *refrigerant* pipe or tube, including joints and connections that have been tested in accordance with Section 9.13, are exempt from the *effective dispersal volume* calculation unless these areas are part of *connected spaces* per Section 7.2.3.2.

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9.12.1.5.1 Shaft Alternative. A shaft enclosure *shall not* be required for the *refrigerant piping* for any of the following ~~*refrigeration systems*~~:

a. Systems using R-718 (water) *refrigerant*
b. *Piping* in a *high-probability system* where the *refrigerant* concentration does not exceed the amounts shown in ASHRAE Standard 34[3], Table 4-1 or 4-2, for the smallest *occupied space* through which the *piping* passes
c. *Piping* located on the exterior of the building where vented to the outdoors
d. Continuous *refrigerant* pipe or tube, including joints and connections, that have been tested in accordance with Section 9.13.

BSR/ASHRAE Addendum b
to ANSI/ASHRAE Standard 15-2024

First Public Review Draft

Proposed Addendum b to Standard 15-2024, Safety Standard for Refrigeration Systems

First Public Review (November 2024)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This addendum revises portions of Standard 15 related to refrigerant pipe shaft ventilation. Ventilation will not be required for continuous pipe or tube that has been tested per the standard. Shaft ventilation will not be required for tested pipes, tubes, joints, or connections using Group A2L or B2L refrigerant in pipe shafts with no hot surfaces exceeding 1290º F (700º C).

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Addendum b to Standard 15-2024

Modify Section 9 as follows. The remainder of Section 9 remains unchanged.

9.12.2.2 Shaft Ventilation. *Refrigerant* pipe shafts with *refrigeration systems* using only Group A2L or B2L *refrigerants shall* be naturally or mechanically ventilated. *Refrigerant* pipe shafts with one or more systems using any Group A2, A3, B2, or B3 *refrigerant shall* be continuously mechanically ventilated and *shall* include a *refrigerant detector*. The shaft ventilation exhaust outlet *shall* comply with the discharge location requirement *specified* in Section 9.7.8.2.

a. Naturally ventilated shafts *shall* have a minimum of a 4.0 in. (102 mm) diameter pipe, *duct*, or conduit that connects at the lowest point of the shaft and connects to the outdoors. The pipe, *duct*, or conduit *shall* be level or pitched down to the outdoors. A *makeup air* opening *shall* be provided at the top of the shaft.

b. When active, mechanically ventilated shafts *shall* have a minimum air velocity in accordance with Table 9-12. *Makeup air shall* be provided at the inlet to the shaft for mechanically ventilated shafts. The mechanical ventilation *shall* either be continuously operated or, for pipe shafts containing only systems using Group A2L or B2L *refrigerants*, activated by a *refrigerant detector*. *Refrigerant* pipe shafts utilizing a *refrigerant detector shall* have a set point not exceeding the *occupational exposure limit* (*OEL*) of the *refrigerant*. The detector, or a sampling tube that draws air to the detector, *shall* be located in an area where *refrigerant* from a leak will concentrate.

c. The shaft *shall not* be required to be ventilated for double-wall *refrigerant* pipe where the interstitial space of the double-wall pipe is vented to the outdoors in accordance with the discharge location requirements *specified* in Section 9.7.8.2.

d. The shaft *shall not* be required to be ventilated where all the *refrigerant* pipe or tube is continuous and has been tested in accordance with Section 9.13.

e. The shaft *shall not* be required to be ventilated for systems using only Group A2L or B2L *refrigerants* where there are no hot surfaces exceeding 1290º F (700º C) in the shaft and the pipes, tubes, joints, or connections have been tested in accordance with Section 9.13.

BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 15-2024

First Public Review Draft

Proposed Addendum c to Standard 15-2024, Safety Standard for Refrigeration Systems

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(Draft shows Proposed Changes to Current Standard)

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FOREWORD

This proposed addendum to ASHRAE Standard 15-2024 updates the pressure relief device requirements for pressure vessels 6" or less and allows them to be protected in accordance with their listing. This change builds upon the change made by Standard 15-2022 addendum a.

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 15-2024

Modify Section 9 as follows, the remainer of section 9 remains unchanged

9.4.2* *Pressure vessels shall* be protected in accordance with Section 9.7. *Pressure relief devices* are acceptable if they either bear a nameplate or are directly marked with a "UD," "UV", or "VR" symbol signifying compliance with *ASME Boiler and Pressure Vessel Code*[15], Section XIII. *Pressure vessels* having *inside dimensions* of 6 in. (152 mm) or less and complying with Section 9.3.1.1a *shall* be permitted to be equipped with overpressure protection in accordance with their listing.

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

NSF/ANSI Standard for Plastics —

Plastics Piping System Components and Related Materials

⋮

9 Quality assurance

⋮

9.10 Product-specific quality assurance requirements

Tables 9.2 through 9.40 provide product-specific quality assurance requirements.

⋮

Table 9.11a
PEX, PE-RT, PE-water, PE-storm sewer pipe and tubing test frequency

Test	PEX	PE-RT	PE (water)	PE (storm sewer)
dimension				
pipe OD or ID	2 h	2 h	2 h	2 h
pipe wall thickness (minimum and maximum)	2 h	2 h	2 h	2 h
burst pressure [a,b]	24 h [c]	24 h	24 h	24 h
hydrostatic pressure	annually	annually	—	—
density	annually	annually	annually	annually
melt flow	—	—	annually [d]	—
degree of cross-linking [e] (gel content)	weekly	—	—	—
ESCR	annually	—	—	—
bent tube sustained pressure (hot / cold)	annually	—	—	—
elevated temperature sustained pressure 80 °C (176 °F)	—	—	semiannually	—
sustained pressure	annually	—	—	—
excessive temperature and pressure capability of tubing and pipe	annually	annually [f]	—	—
stiffness	—	—	—	annually
flattening	—	—	—	annually
impact	—	—	—	weekly
ring tensile	—	—	annually [d]	—
carbon black dispersion	—	—	annually [d]	—

Table 9.11a
PEX, PE-RT, PE-water, PE-storm sewer pipe and tubing test frequency

Test	PEX	PE-RT	PE (water)	PE (storm sewer)
inside surface ductility	—	—	annually [d]	—
product standard(s)	ASTM F876, ASTM F877, ASTM F2788, ASTM F2929, ASTM F3253, AWWA C904, [g] CSA B137.5	ASTM F2623, ASTM F2769, CSA B137.18 [h]	ASTM D2239, ASTM D2737, ASTM D3035, ASTM F714, [i] AWWA C901, [~~i~~j] AWWA C906, [j ~~k~~] CSA B137.1 [h,~~k~~l]	ASTM F2306

[a] If one material is continuously used in several machines or sizes, then when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day and rotated in sequence among all machines or sizes.

[b] Burst test for pipe sizes 24 to 63 in are tested once per week.

[c] Daily burst testing for PEX tubing shall be conducted for each material being extruded at either 180 °F or 200 °F depending on the temperature specified by the manufacturer.

[d] Melt flow, ring tensile, carbon black dispersion, and inner surface ductility only apply to CSA B137.1.

[e] Degree of cross-linking samples shall be taken from normal production after the point in the process where the cross-linking reaction is nominally complete.

[f] Excessive temperature only applies to ASTM F2769.

[g] Pipe and tubing compliant to AWWA C904 shall follow the QC requirements of AWWA C904.

[h] Burst pressure is not required for pipe listed to CSA B137.1 and CSA B137.18.

[i] Burst pressure may be substituted by ring tensile per Section 5.4 of ASTM 714.

[~~i~~j] Pipe and tubing compliant to AWWA C901 shall follow the QC requirements of AWWA C901.

[j ~~k~~] Pipe and tubing compliant to AWWA C906 shall follow the QC requirements of AWWA C906. Each of the three methods (quick-burst test, five-second pressure test, or ring tensile strength) may be substituted for one another per Section 4.3.7 of AWWA C906.

[~~k~~l] Pipe and tubing compliant to CSA B137.1 shall follow the pipe sampling and test requirements of Clause 5.3 of CSA ~~B173.1~~B137.1.

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•
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Rationale:

This ballot:

- ***Harmonizes Tabe 9.11a with AWWA C906 and ASTM F714, which have provisions that allow for burst testing and apparent tensile strength at yield to be considered alternative methods.***
- ***Corrects a typo in original footnote k.***

Public Review Draft

Proposed Addendum j to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings

Except Low-Rise Residential Buildings

First Public Review (November, 2024)
(Draft Shows Proposed Changes to Current Standard)

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Foreword

As ASHRAE 90.1-2022 and its addenda (i.e. published Addendum k) have added renewable generation and procurement requirements to the Standard, some renewable definitions and terms have mirrored what previously had been published in ASHRAE 189.1. However, the offsite procurement definitions and terms in ASHRAE 90.1 differ in several respects from Standard 189.1, and this addenda brings from ASHRAE 90.1 to ASHRAE 189.1 specific modifications that can clarify text for users, and that can establish consistency in ASHRAE 189.1 with the underlying ASHRAE 90.1 language, where appropriate.

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Addendum j to 189.1-2023

Modify Definitions in Section 3 as follows:

community renewable energy facility: a facility that ~~generates electricity with~~ produces energy harvested from photovoltaic, solar thermal, *geothermal energy*, or wind energy systems, and is qualified as a community energy facility under applicable jurisdictional ~~state and local utility~~ statutes and rules.

directly-owned renewable energy facility: an off-site renewable energy system owned by the building project owner.

renewable energy power purchase agreement (PPA), financial: a financial arrangement between a renewable ~~electricity generator~~ energy provider and a purchaser wherein the purchaser pays or guarantees a price to the generator for the project's renewable ~~generation~~ energy. Also known as a "financial power purchase agreement" and "virtual power purchase agreement."

renewable energy power purchase agreement (PPA), physical: a contract for the purchase of renewable ~~electricity~~ energy from a specific renewable ~~electricity generator~~ energy provider to a purchaser of renewable energy ~~electricity~~.

Modify Section 7.4.1.1 as follows:

7.4.1.1 On-Site Renewable Energy Systems. The *building project* shall have a renewable energy system that provides energy to the project that is not less than the renewable energy requirement from Table 7.4.1.1 multiplied by the gross conditioned and semiheated floor areas of the *building project*. Where there are multiple tenants within a *building project*, the energy shall be assigned to each tenant based on the total of *gross conditioned* and *semiheated floor area* of each tenant *space*.
The *renewable energy system* shall be made up of one or more of the following system types. Off-site renewable energy systems shall comply with Section 7.4.1.3.

a. *On-site renewable energy system*
b. Off-site renewable energy system
1. ~~Off-site renewable energy system owned by the *building project owner*~~ *directly-owned renewable energy facility*
2. *Community renewable energy facility*
3. *Financial renewable energy PPA*
4. *Physical renewable energy PPA*

Modify Table 7.4.1.2 as follows:

Table 7.4.1.2 Multipliers for Renewable Energy Procurement Methods

Location	Renewable Energy Source	Renewable Energy Factor
On-site	*On-site renewable energy system*	1.00
Off-site	~~Off-site renewable energy system owned by the *building project owner*~~ *Directly-owned renewable energy facility*	0.75
	Community renewable energy facility	0.75
	Financial renewable power purchase agreement	0.75
	Physical renewable power purchase agreement	0.75

BSR/ASHRAE/IES Addendum bh
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum bh to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

First Public Review (November 2024)
(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 www.ashrae.org/standards-research--technology/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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FOREWORD

This addendum is a response to request from ASHRAE 189.3 members to require unoccupied setback in hospital/healthcare spaces. The working committee selected high air change spaces that ASHRAE/ASHE 170 permits unoccupied setback. An analysis was performed for both energy and carbon impact of these changes. The paybacks on both analyses were favorable. The energy analysis results were an SRL/SR (scalar ratio limit/scalar ratios) were favorable (>5). The social cost of carbon ratios was favorable as well (>9).

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Addendum bh to 90.1-2022

6.4.3.3 Off-Hour Controls. *HVAC Systems* shall have the off-hour controls required by Sections 6.4.3.3.1 through 6.4.3.3.~~5~~ 6.

6.4.3.3.6 Healthcare Unoccupied Turndown. In healthcare occupancies HVAC controls for zones comprising the following space types: Operating Rooms, Surgical Cystoscopy Rooms, Procedure Rooms, Class 2 and Class 3 Imaging Rooms shall be capable of and configured to reduce room airflow during unoccupied periods to no more than the larger of the airflow required to achieve relative room pressure relationships per ASHRAE/ASHE Standard 170 or 20% of the airflow required to achieve the minimum total air changes per hour in accordance with ASHRAE/ASHE Standard 170.

Each zone shall be programmed to enter unoccupied periods based on an occupancy schedule. During scheduled unoccupied periods, a zone occupancy sensor or occupant operable override function shall be used to command the associated zone back into occupied mode for a programmable period when activated. Where more than 50% of zones served by an existing system are altered, the otherwise unaltered zones shall also comply.

Exceptions to 6.4.3.3.6:
1. The greater of two or 25% of zones for each type of space can be configured as occupied continuously to support readiness for emergency patient care for each space function. Such zones are not exempt from having the capability of turn down in new construction or additions.
2. Where the *AHJ* has not yet adopted a version of ASHRAE/ASHE Standard 170 permitting turn down, the system shall be capable of turn down but need not be configured to turn down.

BSR/ASHRAE/IES Addendum af
to ANSI/ASHRAE/IES Standard 90.1-2022

Public Review Draft

Proposed Addendum af to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Second Public Review (November 2024)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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 www.ashrae.org/standards-research--technology/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).

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FOREWORD

This ISC makes corrections to the Addendum af that covers electric motor efficiency, to align with DOE 10 CFR 431.

DOE published a *Federal Register* proposed direct final rule on June 1, 2023, pertaining to energy conservation standards for electric motors that range in size from 1.0 to 750.0 horsepower (0.75 to 559 kW).

DOE published the final rule on October 20, 2023, confirming the effective date and compliance date with the new standards established in the direct final rule, which is required on and after June 1, 2027.

Cost justification: This is a table clean-up that does not require a cost-effectiveness analysis.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

Addendum af to 90.1-2022

Modify Section 10.4.1 as follows:

10.4.1 Electric Motors. Electric motors manufactured alone or as a component of another piece of equipment with a rated motor power of 1 hp or more, and less than or equal to ~~200~~750 hp (559 kW), shall comply with the requirements shown in Table 10.8-1 for NEMA Design A motors, NEMA Design B motors, and IEC Design N, NE, NEY, or NY motors, and Table 10.8-2 for NEMA Design C motors and IEC Design H motors. General purpose small electric motors with a~~n~~ rated motor power of 0.25 hp [.18 kW] or more, and less than or equal to 3 hp [2.2 kW], shall have a minimum average full-load efficiency that is not less than as shown in Table 10.8-3 for polyphase small electric motors and Table 10.8-4 for capacitor-start capacitor-run small electric motors and capacitor-start induction-run small electric motors.

Fire pump electric motors shall have a minimum nominal full-load efficiency ~~that is~~ not less than that shown in Table 10.8-5. Air-over electric motors shall have a minimum nominal full-load efficiency not less than that shown in Table 10.8-7 and Table 10.8-8.

Modify Table 10.8-1 as follows ((I-P):

Table 10.8-1 Minimum Nominal Full-Load Efficiency for NEMA Design A, NEMA Design B, and IEC Design N, NE, NEY, or NY Motors (Excluding Fire Pump Electric Motors) at 60 Hz[a,b,c].

Motor Horsepower, hp	Manufactured Date	Nominal Full-Load Efficiency, %							
		2-Pole		4-Pole		6-Pole		8-Pole	
		Enclosed	Open	Enclosed	Open	Enclosed	Open	Enclosed	Open
550	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
600	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
650	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
700	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
750	On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR

…
c. NR = no requirement

Modify Table 10.8-1 as follows (SI):

Table 10.8-1 Minimum Nominal Full-Load Efficiency for NEMA Design A, NEMA Design B, and IEC Design N, NE, NEY, or NY Motors (Excluding Fire Pump Electric Motors) at 60 Hz[a,b,c].

Motor standard kilowatt equivalent, kW	Manufactured Date	Nominal Full-Load Efficiency, %							
		2-Pole		4-Pole		6-Pole		8-Pole	
		Enclosed	Open	Enclosed	Open	Enclosed	Open	Enclosed	Open
410	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
447	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
485	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
522	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR
559	~~All~~ On or after June 1, 2027	95.8	96.2	96.2	96.2	NR	NR	NR	NR

…
c. NR = No requirement.