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ISSN 0038-9633

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.

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-1.1-202x, Wind energy generation systems - Part 1: Design requirements (Amendment 1) (identical national adoption of IEC 61400-1/AMD1 ED4:2025)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ARESCA (American Renewable Energy Standards and Certification Association)

George Kelly <secretary@aresca.us> | 256 Farrell Farm Road | Norwich, VT 05055 www.aresca.us

National Adoption

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC 61400-3-2:2025)
Stakeholders: U.S. wind developers and investors, Certified Verification Agents (CVAs), Bureau of Safety and Environmental Enforcement (BSEE), Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior (DOI)

Project Need: The ambitious plans for development of wind energy projects requires a consistent and comprehensive set of industry-based consensus standards. This IEC document is directly applicable as an ANS for such projects.

Interest Categories: End users, OEMs, Industry, General interest

Identical adoption of IEC

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

Reaffirmation

BSR X9.100-160-2-2020 (R202x), Magnetic Ink Printing (MICR) - Part 2: EPC Field Use (reaffirmation of ANSI X9.100 -160-2-2020)
Stakeholders: Banks, check image application developers, software vendors and service providers.

Project Need: EPCs convey special information regarding the correct handling or routing of check or check data, including images. Institutions use these codes as external communication throughout the payment process. EPCs can be any of the E-13B numeric MICR characters placed within the EPC field of the MICR line that identify unique applications such as return items, forward or return substitute checks (IRDs), or trigger identification and image interchange for that document.

Interest Categories: Producer, Consumer, General Interest

The purpose of ANSI X9.100-160, Part 2, is to formalize procedures for assignment, approval, usage and management of the External Processing Code (EPC) field and associated values within the defined field of the MICR line. Location and print specifications are not within the scope of Part 2, and are defined in ANSI X9.100-160 Part 1 and ANS X9.100 -20 (for MICR font E-13B).

AVIXA (Audiovisual and Integrated Experience Association)

Loanna Overcash <lovercash@avixa.org> | 11242 Waples Mill Road, Suite 200 | Fairfax, VA 22030 www.avixa.org

New Standard

BSR/AVIXA A104.01-202X, Dynamic Range in Listener Areas (new standard)
Stakeholders: Entertainment venues, houses of worship, educational institutions, judicial and municipal chambers, commercial buildings, retail and medical facilities, indoor sports venues, etc.

Project Need: The challenges of maximizing dynamic range have shifted with broader incorporation of digital processing in system(s). This performance standard contains a method that defines criteria for pass/fail of system(s). It establishes a method that will assess the dynamic range of the acoustic and electronic components of a system.

Interest Categories: - Consultant/Programmer;
- Manufacturer/Independent Manufacturer's Reps/Distributor;
- Technology Manager/Presentations Professional/Student/End-User;
- Systems Integrator/Live Events Professional.

Sound systems must be capable of accurately reproducing an audio source to listeners. A key to achieving this goal is the dynamic range of a given system. Systems must be capable of delivering sufficient loudness to the listener at low distortion and with optimum headroom in the signal chain. Proper attention to dynamic range during design and commissioning will also help ensure that systems will provide adequate speech intelligibility throughout the listener area along with accurate reproduction of live or pre-recorded musical sources.

DirectTrust™ (DirectTrust.org, Inc.)

Taylor Davis <taylor.davis@directtrust.org> | 1629 K Street NW, Suite 300 | Washington, DC 20006 www.DirectTrust.org

New Standard

BSR/DS2019-01-500-202x, Implementation Guide for Expressing Context for Direct Secure Messaging (new standard)
Stakeholders: (a) Healthcare Sector; (b) Government Sector; (c) Payer Sector; (d) Consumer Sector; (e) Social Care Sector; (f) General Interest and Advocacy; (g) Information Technology Sector; (h) Interoperability and Systems Integration Sector

Project Need: This project will provide a baseline standard for Direct Secure Messaging senders to communicate metadata that receivers may use for routing and processing of Direct messages, such as in cases where the payload format contains limited or no intrinsic metadata, or when the reason for the transmission may not be easily determined from the payload content. The specification provides a mechanism for metadata to be communicated. A goal of this specification is to create a predictable place to include message context metadata. The specification supports computable and manual workflows. It makes metadata elements easier to understand by using human readable metadata labels instead of OIDs. This standard supports interoperability for use case specific standards, like the Event Notifications via the Direct Standard®, to ensure contextual metadata can be captured.

Interest Categories: Healthcare Sector; Government Sector; Payer Sector; Consumer Sector; Social Care Sector; General Interest and Advocacy Information Technology Sector; Interoperability and Systems Integration Sector

The Implementation Guide for Expressing Context for Direct Secure Messaging defines an extensible mechanism to express the context of a Direct Secure Message by providing a framework for the inclusion of contextual metadata by the message sender for Direct Secure Messaging and related Standards. The specification will include guidance for implementers for context error handling workflows.

ECIA (Electronic Components Industry Association)

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

National Adoption

BSR/EIA 62391-1-202x, Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification (identical national adoption of IEC 62391-1:2022 and revision of ANSI/EIA 62391-1-2020)
Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Adopt identical ISO or IEC standard and revise current standard

Interest Categories: User, Producer, General Interest

IEC 62391-1:2022 applies to fixed electric double-layer capacitors (hereafter referred to as capacitors) mainly used in DC circuits of electric and electronic equipment. This part of IEC 62391 establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

NEMA (National Electrical Manufacturers Association)

Michael Leibowitz <mike.leibowitz@nema.org> | 1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org

New Standard

BSR/MG 10011-2025-202x, Power Index Calculation Procedure Standard Rating Methodology for Motors, Power Drive Systems, and Complete Drive Modules (new standard)
Stakeholders: Motor manufacturers, industrial system designers, motor-drive system specifiers, motor-drive end users, utilities, energy regulators

Project Need: This project is needed to provide the motor-drive customer base a method for attaining a rank ordering and conservative estimate of energy savings relative to a fixed-speed baseline product, and to give end-users methods for determining losses according to IEC 61800-9-2 and IEC 60034-2-3

Interest Categories: Producer, User, General Interest

Establishes the NEMA Power Index calculation procedure for use on fixed-speed induction, synchronous, and inverter-only motors in standalone configurations and as part of a power drive system. This calculation allows motor and drive end users to attain a rank ordering and conservative estimate of energy savings relative to a fixed-speed baseline product.

NETA (InterNational Electrical Testing Association)

Lamar Danzy <ldanzy@netaworld.org> | 3050 OId Centre Rd, Suite 101 | Portage, MI 49024 www.netaworld.org

New Standard

BSR/NETA EMW-2026-202x, Standard for Qualification of Electrical Maintenance Workers for Electrical Power Equipment & Systems (new standard)
Stakeholders: Governmental agencies, A&E firms, inspection authorities, owners of facilities that utilize large blocks of electric energy, electrical maintenance companies.

Project Need: This project is being initiated in order to assure that this standard reflects current industry standards, best practices, and technologies.

Interest Categories: Producers, Users, and General Interest.

This standard establishes minimum requirements for qualification of the electrical maintenance workers, details the minimum training and experience requirements, and provides criteria for documenting qualifications. It also outlines the minimum qualifications for an independent and impartial certifying body to qualify electrical maintenance workers.

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 95.0-202x, Circular 38999 Connectors with EBO Fiber Technology Standard (new standard)
Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: To define an interface standard for an Expanded Beam Optical (EBO) fiber interconnect system for the circular 38999 connector ecosystem.

Interest Categories: User, Producer, General Interest

This document defines a standard for circular connectors with Expanded Beam Optical (EBO) ferrules. Circular connector shells are compliant to MIL-STD-38999 Series III. EBO ferrules are available in multimode or single mode.

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 96.0-202x, Backplane Connectors with EBO Fiber Technology Standard (new standard)
Stakeholders: Manufacturers, suppliers, and users of modular embedded computers

Project Need: To define an interface standard for an Expanded Beam Optical (EBO) fiber interconnect system tailored for backplane applications within the VITA ecosystem.

Interest Categories: User, Producer, General Interest

This document defines a standard for Backplane Connectors with Expanded Beam Optical (EBO) ferrules. EBO ferrules are available in multimode and singlemode.

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: June 8, 2025

Home Innovation (Home Innovation Research Labs)

400 Prince George's Boulevard, Upper Marlboro, MD 20774-8731 | kkauffman@Homeinnovation.com, www.HomeInnovation.com

Revision

BSR/ICC 700-202x, National Green Building Standard (revision of ANSI/ICC 700-2020)
The provisions of this Standard shall apply to the design, construction, alteration, enlargement, and renovation of (1) all residential buildings, (2) Residential portions of mixed use buildings, or (3) mixed-use buildings where the residential portion is greater than 50% of the gross floor area. This Standard shall also apply to subdivisions, buildings sites, building lots, and accessory structures.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: www.HomeInnovation.com/NGBS

NSF (NSF International)

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

Revision

BSR/NSF/CAN 60-202x (i107r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)
This standard contains health effects requirements for drinking water treatment chemicals that are directly added to water and are intended to be present in the finished water. This standard also contains health effects requirements for other chemical products that are directly added to water but are not intended to be present in the finished water.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Amy Jump <ajump@nsf.org>

Comment Deadline: June 8, 2025

RESNET (Residential Energy Services Network, Inc.)

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

New Standard

BSR/RESNET/ICC 1450-202x, Remote Virtual Inspection for Energy and Water Performance of Buildings (new standard)
The new standard will provide criteria for implementing Remote Virtual Inspections (RVI) in the evaluation of energy code compliance and in the evaluation and rating of the water-use and energy efficiency performance of buildings. The standardized RVI criteria will be used by code officials and their designee(s) and by home performance inspectors and raters when evaluating all aspects of construction for building energy and water conservation programs, laws, and regulations.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: RESNET using the online form for the draft at https://www.resnet.us/about/standards/standards-currently-out-for-public-comment/, under link “ANSI Standards & Amendments Out For Public Comment”

ULSE (UL Standards and Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | mitchell.gold@ul.org, https://ulse.org/

Revision

BSR/UL 96-202x, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2023)
Recirculation of the following topics previously balloted: (2) Addition of Canadian Electrical Code Qualifier to Scope; (3) Clarifying Air Terminal Dimensional Tolerances; (4) Connector Fitting Projection Requirements; (5) Air Terminal Mounting Means; and (6) Solid Metal Parts.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions at the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards and Engagement)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

Revision

BSR/UL 746A-202X, Standard for Safety for Polymeric Materials - Short Term Property Evaluations (revision of ANSI/UL 746A-2025a)
The following topic is covered by this project for UL 746A: (1) Deletion of the term “Chemically Recycled Plastics” provided in Paragraph 4.1A; Deletion of Subsection 9.10, titled “Chemically Recycled Plastics;” Deletion of Information on Monomers in Base Polymer/Resin from Table 9.1.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

Comment Deadline: June 8, 2025

ULSE (UL Standards and Engagement)

47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

Revision

BSR/UL 746S-202X, Standard for Safety for Evaluation of Sustainable Polymeric Materials for use in Electrical Equipment (revision of ANSI/UL 746S-2025)
The following topics are covered by this project:
(1) Addition of Glossary Terms to Section 4; Addition of New Section 6A titled "Biobased and Chemically Recycled Materials" and Table 6A.1;
(2) Clarification of Requirements for the Evaluation of Mechanically Recycled Plastics with Consistent Identification and Without Consistent Identification Provided in Subsection 6.2 and Subsection 6.3, Respectively; and
(3) Addition of Requirements for Polymer Variation Consideration in Recycle Materials in a new Section 6A (titled "Polymer Variations") and a new Table 6A.1.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards and Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | hilal.elmisilmani@ul.org, https://ulse.org/

Revision

BSR/UL 979-202x, Standard for Safety for Water Treatment Appliances (revision of ANSI/UL 979-2025)
The proposed requirement revises the existing Ozone Test by changing the length of the measurement time, specifying details for product installation, and changing the allowable ozone concentration limits to account for the shorter exposure time.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions on the following website to enter comments into the CSDS Work Area: https://csds.ul.org/ProposalAvailable

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2018-28-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Class Location Determination
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2018-33-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Over-Pressurization Issues Review - Design
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

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400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2019-33-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
IMP Training
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2019-53-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Enigneering Critical Analysis
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z379
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2021-37-202x , Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Verification of Valve Position
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2022-07-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Type C and R Gathering Lines
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2022-48-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Periodic Field Checks for Oqs
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2022-50-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
DIMP External Sources
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2022-60-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Prompt Remedial Action
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2022-62-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Future Mechanics
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

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Revision

BSR GPTC Z380.1-2022 TR 2022-63-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Revisions in Light of Amdt 192-132
Single copy price: Free
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Revision

BSR GPTC Z380.1-2022 TR 2022-66-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Integrity Management
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2023-05-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
NACE 0502 Section Adjustments
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)

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Revision

BSR GPTC Z380.1-2022 TR 2024-06-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
SMYS That Is Unknown
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2024-09-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Flange Specifications
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2024-14-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
PRCI Pipeline Repair Manual
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2024-16-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Gathering Lines Reference Table
Single copy price: Free
Obtain an electronic copy from: https://www.aga.org/natural-gas/safety/promoting-safety/ansi-committees/#z380
Send comments (copy psa@ansi.org) to: gptc@aga.org

Comment Deadline: June 23, 2025

AGA (ASC Z380) (American Gas Association)

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Revision

BSR GPTC Z380.1-2022 TR 2024-20-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
Incorporated by Reference
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AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

Revision

BSR GPTC Z380.1-2022 TR 2024-34-202x, Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)
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API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | ridgwayg@api.org, www.api.org

Reaffirmation

BSR/API RP 2EQ/ISO 19901-2:2004 (R202x), Seismic Design Procedures and Criteria for Offshore Structures (reaffirm a national adoption ANSI/API RP 2EQ/ISO 19901-2:2004 (R2021))
This standard contains requirements for defining the seismic design procedures and criteria for offshore structures and is a modified adoption of ISO 19901-2. The intent of the modification is to map the requirements of ISO 19901-2 to the United States' offshore continental shelf (U.S. OCS). The requirements are applicable to fixed steel structures and fixed concrete structures. The effects of seismic events on floating structures and partially buoyant structures are also briefly discussed. The site-specific assessment of jack-ups in elevated condition is only covered to the extent that the requirements are applicable.
Single copy price: $136.00
Obtain an electronic copy from: ridgwayg@api.org
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Comment Deadline: June 23, 2025

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 | ridgwayg@api.org, www.api.org

Reaffirmation

BSR/API Recommended Practice 2TOP/ISO 19901-3:2010 (R202x), Topsides Structure (reaffirm a national adoption ANSI/API RP 2TOP-2019)
API 2TOP reflects the evolution in structural design methodology from allowable strength design (ASD) to load and resistance factor design (LRFD). ASD, also known as working stress design (WSD), essentially utilizes a uniform factor of safety, whereas LRFD utilizes different partial factors to better capture the level of certainty with which the various loads and resistances are known. Whereas API 2TOP covers topsides structures, other API documents cover the design of the associated supporting substructures, either fixed (2A-LRFD) or floating (2FPS, etc.). ASD/WSD and LRFD are two separate and distinct design methodologies, which shall not be mixed when designing a given facility, including the topsides and substructure. API 2A-WSD continues to be an acceptable, alternate design choice, and it shall be followed when executing allowable strength or WSD.
Single copy price: $156.00
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ASABE (American Society of Agricultural and Biological Engineers)

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

Revision

BSR/ASABE S620.2 MONYEAR-202x, Safety for Anhydrous Ammonia Application Equipment (revision of ANSI/ASABE S620.1-APR2022)
The purpose of this standard is to establish the safety requirements for implements of husbandry used in the local transport and application of anhydrous ammonia for agricultural fertilizer.
Single copy price: Free
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ASTM (ASTM International)

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New Standard

BSR/ASTM WK72441-202x, Guide for Developing Discipline Specific Methodology for ACE-V (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK84882-202x, Practice for Forensic Science Testimony (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK88832-202x, Practice for the Collection of Primer Gunshot Residue (pGSR) Particles from Clothing, Vehicles, and Other Inanimate Objects using Scanning Electron Microscopy (SEM) Stubs (new standard)
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New Standard

BSR/ASTM WK89493-202x, Guide for the Detection and Preservation of Forensic Trace Evidence (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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New Standard

BSR/ASTM WK90161-202x, Practice for Quality Control of Routine Testing in a Laboratory (new standard)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E927-2019 (R202x), Classification for Solar Simulators for Electrical Performance Testing of Photovoltaic Devices (reaffirmation of ANSI/ASTM E927-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E1036-2018 (R202x), Test Methods for Electrical Performance of Nonconcentrator Terrestrial Photovoltaic Modules and Arrays Using Reference Cells (reaffirmation of ANSI/ASTM E1036-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E1143-2018 (R202x), Test Method for Determining the Linearity of a Photovoltaic Device Parameter with Respect to a Test Parameter (reaffirmation of ANSI/ASTM E1143-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E1171-2018 (R202x), Test Methods for Photovoltaic Modules in Cyclic Temperature and Humidity Environments (reaffirmation of ANSI/ASTM E1171-2018 (R2019))
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Reaffirmation

BSR/ASTM E1362-2018 (R202x), Test Methods for Calibration of Non-Concentrator Photovoltaic Non-Primary Reference Cells (reaffirmation of ANSI/ASTM E1362-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E1462-2018a (R202x), Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (reaffirmation of ANSI/ASTM E1462-2018a)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E1597-2018 (R202x), Test Method for Saltwater Pressure Immersion and Temperature Testing of Photovoltaic Modules for Marine Environments (reaffirmation of ANSI/ASTM E1597-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E2047-2018 (R202x), Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays (reaffirmation of ANSI/ASTM E2047-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E2236-2018 (R202x), Test Methods for Measurement of Electrical Performance and Spectral Response of Nonconcentrator Multijunction Photovoltaic Cells and Modules (reaffirmation of ANSI/ASTM E2236 -2018 (R2019))
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Reaffirmation

BSR/ASTM E2527-2018 (R202x), Test Method for Electrical Performance of Concentrator Terrestrial Photovoltaic Modules and Systems Under Natural Sunlight (reaffirmation of ANSI/ASTM E2527-2018 (R2019))
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Reaffirmation

BSR/ASTM E2685-2018 (R202x), Specification for Steel Blades Used with the Photovoltaic Module Surface Cut Test (reaffirmation of ANSI/ASTM E2685-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E2762-2010 (R202x), Practice for Sampling a Stream of Product by Variables Indexed by AQL (reaffirmation of ANSI/ASTM E2762-2010 (R2020))
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Reaffirmation

BSR/ASTM E2766-2018 (R202x), Practice for Installation of Roof Mounted Photovoltaic Arrays on Steep-Slope Roofs (reaffirmation of ANSI/ASTM E2766-2018 (R2019))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM E3010 (R202x), Practice for Installation, Commissioning, Operation, and Maintenance Process (ICOMP) of Photovoltaic Arrays (reaffirmation of ANSI/ASTM E3010-2015 (R2019))
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Reaffirmation

BSR/ASTM F1014-2020 (R202x), Specification for Flashlights on Vessels (reaffirmation of ANSI/ASTM F1014 -2020)
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Reaffirmation

BSR/ASTM F1134-2015 (R202x), Specification for Insulation Resistance Monitor for Shipboard Electrical Motors and Generators (reaffirmation of ANSI/ASTM F1134-2015 (R2019))
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Reaffirmation

BSR/ASTM F1207M-2012 (R202x), Specification for Electrical Insulation Monitors for Monitoring Ground Resistance in Active Electrical Systems (Metric) (reaffirmation of ANSI/ASTM F1207M-2012 (R2018))
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Reaffirmation

BSR/ASTM F1669M-2012 (R202x), Specification for Insulation Monitors for Shipboard Electrical Systems (Metric) (reaffirmation of ANSI/ASTM F1669M-2012 (R2018))
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Reaffirmation

BSR/ASTM F1883-2020 (R202x), Practice for Selection of Wire and Cable Size in AWG or Metric Units (reaffirmation of ANSI/ASTM F1883-2020)
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Reaffirmation

BSR/ASTM F940 (R202x), Practice for Quality Control Receipt Inspection Procedures for Protective Coatings (Paint), Used in Marine Construction and Shipbuilding (reaffirmation of ANSI/ASTM F940-2000 (R2020))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Reaffirmation

BSR/ASTM F2045 (R202x), Specification for Indicators, Sight, Liquid Level, Direct and Indirect Reading, Tubular Glass/Plastic (reaffirmation of ANSI/ASTM F2045-2000 (R2018))
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Revision

BSR/ASTM E23-202x, Test Methods for Notched Bar Impact Testing of Metallic Materials (revision of ANSI/ASTM E23-2025)
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Revision

BSR/ASTM E162-202x, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2024)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E603-202x, Guide for Room Fire Experiments (revision of ANSI/ASTM E603-2023)
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Revision

BSR/ASTM E648-202x, Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source (revision of ANSI/ASTM E648-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E970-202x, Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source (revision of ANSI/ASTM E970-2023)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E2280-202x, Guide for Fire Hazard Assessment of the Effect of Upholstered Seating Furniture within Patient Rooms of Health Care Facilities (revision of ANSI/ASTM E2280-2021)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E2307-202x, Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus (revision of ANSI/ASTM E2307-2025)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM E2587-202x, Practice for Use of Control Charts in Statistical Process Control (revision of ANSI/ASTM E2587-2024)
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Revision

BSR/ASTM E2965-202x, Test Method for Determination of Low Levels of Heat Release Rate for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E2965-2022A)
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Revision

BSR/ASTM F683-202x, Practice for Selection and Application of Thermal Insulation for Piping and Machinery (revision of ANSI/ASTM F683-2023A)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F1808-202x, Guide for Weight Control Technical Requirements for Surface Ships (revision of ANSI/ASTM F1808-2003 (R2020))
https://www.astm.org/get-involved/technical-committees/ansi-review
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Revision

BSR/ASTM F3353-202x, Guide for Shipboard Use of Lithium-Ion (Li-ion) Batteries (revision of ANSI/ASTM F3353-2019)
https://www.astm.org/get-involved/technical-committees/ansi-review
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Withdrawal

ANSI/ASTM E2726/E2726M-2012a (R2017), Test Method for Evaluating the Fire-Test-Response of Deck Structures to Burning Brands (withdrawal of ANSI/ASTM E2726/E2726M-2012a (R2017))
https://www.astm.org/get-involved/technical-committees/ansi-review
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AWS (American Welding Society)

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

Revision

BSR/AWS A4.3-202x, Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding (revision of ANSI/AWS A4.3-1993-ADD1)
Standard test specimens and method of preparation are set forth, along with standard methods of diffusible hydrogen analysis. The methods are suitable for shielded metal arc welding (SMAW), gas metal arc welding (GMAW), gas tungsten arc welding (GTAW), flux-cored arc welding (FCAW), and submerged arc welding (SAW) using welding conditions and electrodes given in several applicable American Welding Society and International Standards Organization filler metal specifications.
Single copy price: $33.00 (member) /$44.00 (non-member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS A5.11/A5.11M-202x, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2018)
This specification prescribes the composition, dimensions, soundness, and properties of weld metal for more than 40 classifications of nickel- and nickel-alloy-covered electrodes. Major topics include general requirements, testing, manufacturing, identification, and packaging. A guide to using the specification is included in Annex A. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
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8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

Revision

BSR/AWS A5.18/A5.18M-202x, Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.18/A5.18M-2023)
This specification prescribes the requirements for classification of carbon steel electrodes and rods, including solid, composite stranded, and composite metal-cored electrodes for gas-shielded arc welding. Classification is based on chemical composition of the electrode for solid electrodes and rods, chemical composition of weld metal for composite stranded and composite metal-cored electrodes and rods, and the as-welded mechanical properties of the weld metal for each. Additional requirements are included for usability, manufacturing, diameters, lengths, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of the electrodes and rods. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these units are not equivalent, each system must be used independently of the other.
Single copy price: $33.00 (member) /$44.00 (non-member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 23, 2025

AWS (American Welding Society)

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

Revision

BSR/AWS A5.20/A5.20M-202x, Specification for Carbon Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.20/A5.20M-2021)
This specification prescribes the requirements for classification of carbon steel electrodes for flux cored arc welding. The requirements include chemical composition and mechanical properties of the weld metal and certain usability characteristics. It also includes optional supplemental designators for lower temperature toughness requirements, diffusible hydrogen limits, and shielding gas range designators. Additional requirements are included for standard sizes, marking, manufacturing, and packaging. A guide is appended to the specification as a source of information concerning the classification system employed and the intended use of carbon steel flux cored electrodes. This specification makes use of both U.S. Customary Units and the International System of Units (SI). Since these are not equivalent, each system must be used independently of the other.
Single copy price: $33.00 (member) /$44.00 (non-member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

AWS (American Welding Society)

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

Revision

BSR/AWS D14.9/D14.9M-202x, Specification for the Welding of Hydraulic Cylinders (revision of ANSI/AWS D14.9/D14.9M-2023-AMD1)
This specification provides standards for the design and manufacture of pressure-containing welded joints and structural welded joints used in the manufacture of hydraulic cylinders. Manufacturer's responsibilities are presented as they relate to the welding practices that have been proven successful within the industry in the production of hydraulic cylinders. Included are clauses defining procedure qualification, performance qualification, workmanship and quality requirements as well as inspection requirements and repair requirements.
Single copy price: $40.00 (member) /$54.00 (non-member)
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Same

AWWA (American Water Works Association)

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

Revision

BSR/AWWA G480-202x, Water Conservation and Efficiency Program Operation and Management (revision of ANSI/AWWA G480-2020)
This standard describes the critical elements of an effective water conservation and efficiency program. It encompasses activities undertaken by a utility within its own operations to improve water use on the supply-side upstream of customer meters through distribution system management, and on the demand-side downstream of customer meters through customer billing and education practices. A program meeting this standard has the potential to impact all water users.
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)

Comment Deadline: June 23, 2025

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

New Standard

BSR/CTA 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)
This project will develop a standard consistent with the US national label program that defines a cybersecurity label design.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

New Standard

BSR/CTA 2127-202x, Performance Characteristics and Requirements for Consumer Pulse Oximetry Monitoring Solutions (new standard)
Specifies terminology and performance requirements related to the measurement of SpO2 on consumer devices.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Reaffirmation

BSR/CTA 2063-A R-2025 (R202x), Small Unmanned Aerial Systems Serial Numbers (reaffirmation of ANSI/CTA 2063-A-2019)
If you want to be able to distinguish drones (a.k.a. small unmanned aerial systems) from one another, a good way to do it is to give them all serial numbers. ANSI/CTA 2063 describes a serial numbering system for drones. Each serial number is unique to a specific drone and can also be used to identify the drone's manufacturer.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 23, 2025

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Reaffirmation

BSR/CTA 2076 R-2025 (R202x), Inclusive, Audio-based, Network Navigation Systems for All Persons including Those who are Blind/Low Vision (reaffirmation of ANSI/CTA 2076)
Think about the signs you see in airports, shopping centers, train stations and elsewhere that help you find your way around. Now imagine what it would be like if you were visually impaired. How would you know which direction to walk if you wanted to buy a ticket? How would you know where the escalators are, and what direction each escalator is moving? Visually impaired people can discover these and many other facts using wayfinding systems. Bluetooth, Wi-Fi, and similar technologies can be used to pinpoint a person's precise location within a venue. Then, knowing the person's location and direction of movement, a wayfinding system can provide audible and haptic cues to help with navigation. CTA 2076 describes how to provide such cues, regardless of which wayfinding system you're using.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Reaffirmation

BSR/CTA 2085 R-2025-202x, Definitions and Characteristics for VR Video and VR (reaffirmation of ANSI/CTA 2068 (R2025))
This document defines terms for VR video and VR images, which are moving or still images captured and formatted as separate left and right eye images intended for display in a VR headset.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Reaffirmation

BSR/CTA 2087 R-2025 (R202x), Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (reaffirmation of ANSI/CTA 2087-2019)
This document explores XR hardware accessories and their connections. The goal is to agree on common terminology and definitions for XR hardware accessories, and on a common connectivity standard, including device compatibility.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 23, 2025

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Stabilized Maintenance

BSR/CTA 2003-C S-2025 (S202x), Digital Audiobook File Format and Player Requirements (stabilized maintenance of ANSI/CTA 2003-C-2007 (R2019))
When you're playing an audiobook and turn off your player in the middle of the book, the next time you turn on your player it may remember where you were in the book when you were last listening. That's the purpose of the AutoResume bookmark defined in CTA 2003-C, and it's only one small part of this comprehensive standard that describes how audio files can be stored and played back so users can have a good book listening experience. It describes things like how a player can determine what format the stored audio is in, who the author and publisher of the book are, the title of the book, the chapter listing, and so on. CTA 2003-C applies to audiobook files using the *.aub or .mau file extensions.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Stabilized Maintenance

BSR/CTA 2014-B S-2025 (S202x), Web-based Protocol and Framework for Remote User Interface on UPnP™ Networks and the Internet (WebCE) (stabilized maintenance of ANSI/CTA 2014-B-2011 (R2019))
Navigating websites on your computer, tablet or phone, and navigating channels on your TV are different experiences. With the TV, you're typically using up/down/left/right arrows and an okay/select button. On the computer, tablet or phone you're typically using a mouse or finger to click on selected items, and a keyboard to enter text. ANSI/CTA 2014-B creates a translation system of sorts, so TVs and other home theater equipment can be controlled by devices like computers, tablets, or phones. It describes a way for TVs, set-top boxes, home theater systems, etc. to automatically discover potential remote control devices (computers, tablets, phones, etc.) and vice-versa, and it enables all of the devices in the system to communicate using common computer networking languages. ANSI/CTA 2014-B describes how home theater equipment and remote control devices can display information and act on commands in a way that will be pleasing to the user.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Stabilized Maintenance

BSR/CTA 2017.1 S-2025 (S202x), Serial Communication Protocol for Portable Electronic Devices (stabilized maintenance of ANSI/CTA 2017.1-2007 (R2019))
Describes a serial communication protocol that enables command and control communication between portable electronic devices and accessories attached to those devices.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: June 23, 2025

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Stabilized Maintenance

BSR/CTA 863-B S-2025 (S202x), Connection Color Codes for Home Theater Systems (stabilized maintenance of ANSI/CTA/CEDIA 863-B-2011 (R2018))
This standard defines a color-coding scheme for connections commonly found on home theater system components.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Standards@cta.tech

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

Stabilized Maintenance

BSR/CTA 897 S-2025 (S202x), F-Connector Color Coding for Home Television Systems (stabilized maintenance of ANSI/CTA CEDIA 897-2010 (R2018))
This standard defines a color-coding scheme for F-connectors, commonly used to connect coaxial cables to TV sets and other consumer electronics products.
Single copy price: Free
Obtain an electronic copy from: standards@cta.tech
Send comments (copy psa@ansi.org) to: Same

ECIA (Electronic Components Industry Association)

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

Reaffirmation

BSR/EIA 797-2014 (R202x), Aluminum-Electrolytic Capacitor Application Guideline (reaffirmation of ANSI/EIA 797-2014 (R2020))
Except for a few surface-mount technology (SMT) aluminum electrolytic capacitor types with solid electrolyte systems, an aluminum electrolytic capacitor consists of a wound capacitor element, impregnated with liquid electrolyte, connected to terminals and sealed in a can. The element is comprised of an anode foil, paper separators saturated with electrolyte and a cathode foil. The foils are high-purity aluminum and are etched to increase the surface area in contact with the electrolyte. While it may appear that the capacitance is between the two foils, actually the capacitance is between the anode foil and the electrolyte. The positive plate is the anode foil; the dielectric is the insulating aluminum oxide on the anode foil; the true negative plate is the conductive, liquid electrolyte, and the cathode foil merely connects to the electrolyte.
Single copy price: $104.00
Obtain an electronic copy from: store.accuristech.com
Send comments (copy psa@ansi.org) to: Edward Mikoski (emikoski@ecianow.org)

Comment Deadline: June 23, 2025

ICC (International Code Council)

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

Revision

BSR/ICC 903/SRCC 500-202x, Thermal Energy Storage Tank Standard (revision of ANSI/ICC 903/SRCC 500 -2024)
This standard establishes minimum requirements for the design, construction, and testing of thermal-energy storage tanks designed for liquids and used as a component within thermal energy systems. It establishes test methods and minimum standards to ensure minimum levels of safety and durability. It also sets uniform test methods for the measurement of key thermal performance and efficiency parameters for these tanks. The standard applies to tanks that are pressurized, unpressurized, with or without integral heat exchangers and with or without integral backup heaters. Construction codes, standards, and incentive programs require minimum criteria and uniform test methods for hot water storage tanks utilized as part of solar water heating systems used in residential and commercial applications. These devices can take a multitude of forms and are not fully addressed by any current consensus standards. Such a standard is needed to ensure minimum safety and durability criteria are met and establish uniform test methods for basic thermal performance metrics. The performance metrics of these tanks are needed to facilitate accurate modeling of thermal energy heating systems for use in building energy modeling and incentive programs. This new standard will create clear, consistent criteria for thermal energy storage tank listing. A standard is also needed to clearly differentiate thermal energy tanks from standalone, unitary, liquid tank-type heaters.
Single copy price: Free
Obtain an electronic copy from: https://www.iccsafe.org/products-and-services/standards-development/icc-srcc-solar-thermal-standards/
Send comments (copy psa@ansi.org) to: smartin@solar-rating.org

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

1750 K Street NW, Suite 460, Washington, DC 20006 | chris.merther@itsdf.org, www.indtrk.org

Reaffirmation

BSR/ITSDF B56.11.7-2020 (R202x), Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting - Liquid Withdrawal - for Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.7-2020)
This Standard establishes dimensions for LPG fuel cylinders used on powered industrial trucks.
Single copy price: Free
Obtain an electronic copy from: info@itsdf.org
Send comments (copy psa@ansi.org) to: Same

NSF (NSF International)

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

New Standard

BSR/NSF 527-202x (i1r1), Personal Care Products (new standard)
This standard contains requirements for eligible consumer and professional-grade personal care product categories including, but not limited to, moisturizers, makeup, perfumes, cleansers, shampoo, conditioner, tonics/essences, serums, facial oils, facial masks, deodorant, oral hygiene, and topical non-prescription drugs under a regulated monograph system.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/higherlogic/ws/public/download/79316/527i1r1%20-%20Ballot.pdf
Send comments (copy psa@ansi.org) to: Rachel Brooker <rbrooker@nsf.org>

Comment Deadline: June 23, 2025

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

Revision

BSR/RESNA ED-1-202x, RESNA Standard for Evacuation Devices - Volume 1: Emergency Stair Travel Devices used by Individuals with Disabilities (revision of ANSI/RESNA ED-1-2019)
This RESNA ED-1 Standard covers the terminology, description, performance, inspection, and maintenance of devices whose primary purpose is the travel of individuals with disabilities over stair and horizontal surfaces during building evacuations. This standard does not cover devices whose purpose is the travel of individuals with disabilities during routine travel on stairs. This standard includes requirements and test methods for determining emergency stair travel device performance. It also includes requirements for the disclosure of the test results.
Single copy price: Free
Obtain an electronic copy from: technicalstandards@resna.org
Send comments (copy psa@ansi.org) to: technicalstandards@resna.org

ULSE (UL Standards and Engagement)

100 Queen Street, Suite 1040, Ottawa, ON K1P 1J9 Canada | sabrina.khrebtov@ul.org, https://ulse.org/

New Standard

BSR/UL 1400-2-202x, Standard for Safety for Cables in Fault-Managed Power Systems (new standard)
Proposed First Edition of the Standard for Safety for Cables in Fault-Managed Power Systems.
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

ULSE (UL Standards and Engagement)

100 Queen St. Suite 1040, Ottawa, ON K1P 1J9 | bahar.sammak@ul.org, https://ulse.org/

Reaffirmation

BSR/UL 687-2011 (R202x), Standard for Burglary-Resistant Safes (reaffirmation of ANSI/UL 687-2011 (R2020))
ULSE proposes a reaffirmation for ANSI approval of UL 687-2011 (R2020).
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.org/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.

ULSE (UL Standards and Engagement)

1603 Orrington Avenue, Suite 2000, Evanston, IL 60201 | lauren.valentino@ul.org, https://ulse.org/

Revision

BSR/UL 1323-202x, Standard for Scaffold Hoists (revision of ANSI/UL 1323-2023)
This proposal covers Clause 5.1 - UL 1323 modification and Withdrawal and replacement of ANSI/ISA MC96.1, Temperature-Measurement Thermocouples.
Single copy price: Free
Obtain an electronic copy from: Lauren Valentino, lauren.valentino@ul.org, https://csds.ul.com/ProposalAvailable
Send comments (copy psa@ansi.org) to: Lauren Valentino, lauren.valentino@ul.org, https://csds.ul.com/ProposalAvailable

Comment Deadline: July 8, 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

Reaffirmation

BSR/ASME B1.9-1973 (R202x), 7 deg./45 deg. Form with 0.6 Pitch Basic Height of Thread Engagement (reaffirmation of ANSI/ASME B1.9-1973 (R2017))
This Standard relates to screw threads of buttress form and provides: (a) A form of 7 degrees/45 degrees buttress thread with 0.6p basic height of thread engagement; (b) A table of preferred diameter-pitch combinations; (c) A formula for calculating pitch diameter tolerances; (d) Tolerances for major and minor diameters; (e) A system of allowances between external and internal threads; (f) Recommended methods of measuring and gaging; (g) Dimensional acceptability of buttress product.
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□>

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 MFC-8M-2001 (S202x), Fluid Flow in Closed Conduits: Connections for Pressure Signal Transmissions Between Primary & Secondary Devices (stabilized maintenance of ANSI/ASME MFC-8M-2001 (R2016))
This Standard provides guidance in the design of the pressure signal connections between a flowmeter primary device and the secondary device where they are physically separate and connected by gauge lines or impulse piping. The primary device or flow element creates a pressure difference or head at the pressure taps, which is related to the flow rate. The secondary device may display and may convert and transmit the flow signal to another location.
Single copy price: $39.00
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

Comment Deadline: July 8, 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 MFC-9M-1998 (S202x), Measurement of Liquid Flow in Closed Conduits by Weighing Method (stabilized maintenance of ANSI/ASME MFC-9M-1998 (R2021))
This Standard specifies a method for measuring liquid flow rates in closed conduits by weighing the mass of liquid delivered into a tank over a known time interval. It covers the measuring apparatus, procedures, and calculation methods, including uncertainty assessment. The method is applicable to any liquid whose vapor pressure is low enough that evaporation losses don't affect measurement accuracy. Closed weighing tanks for high vapor pressure liquids are not addressed, nor are safety considerations for handling various liquids. While theoretically unlimited in application, this method is typically used in fixed laboratory settings, with economic limitations generally restricting it to flow rates of 500 kg/s (3300 lbm/sec) or less. Due to its high potential accuracy, this method often serves as a primary calibration standard for other mass or volumetric flow measurement devices and methods, provided the liquid density is accurately known. The standard requires ensuring the pipeline runs completely full, with no air or vapor pockets in the measuring section that could compromise accuracy. The method is primarily implemented in permanent laboratory installations rather than field applications, reflecting its role as a reference standard for calibration purposes.
Single copy price: $32.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME MFC-10M-2000 (S202x), Method for Establishing Installation Effects on Flowmeters (stabilized maintenance of ANSI/ASME MFC-10M-2000 (R2021))
This Standard establishes methods for determining the influence of installation conditions or flow patterns on the performance of flowmeters in closed conduits (i.e., pipe, ducts, etc). This Standard also addresses (a) means and terminology for defining a reference condition for flow calibration of a particular flowmeter; and (b) guidelines for extrapolation and interpolation of installation effects to untested piping conditions. This Standard does not supersede or otherwise replace qualification tests or installation tests that are specified by other standards.
Single copy price: $32.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

Comment Deadline: July 8, 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 MFC-14M-2003 (S202x), Measurement of Fluid Flow Using Small Bore Precision Orifice Meters (stabilized maintenance of ANSI/ASME MFC-14M-2003 (R2018))
This Standard specifies the requirements for orifice meters sized 6 mm to 40 mm (1/4 in. to 1½ in.) when installed in full conduits. It provides information for flow rate calculation and uncertainty estimation.
The standard applies only to:
- Differential pressure devices with subsonic flow;
- Steady or slowly varying flow conditions;
- Single-phase fluids.

Uncertainty specifications are provided within designated pipe size and Reynolds number limits. The standard covers devices with sufficient calibration data to enable application specifications and calculations within predictable uncertainty limits. Primary devices are those introduced into the pipe, including pressure taps and associated upstream/downstream piping. Secondary devices are instruments for measuring or transmitting differential pressure, which are mentioned only when necessary for proper operation of the primary device.
The standard covers three types of primary devices:
(1) Orifice plates with corner pressure taps;
(2) Orifice plates with flange pressure taps;
(3) Specially designed orifice meters with integral fittings.

The standard provides geometric specifications and installation requirements to ensure proper flow measurement under specified conditions.
Single copy price: $40.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

ASME (American Society of Mechanical Engineers)

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

Stabilized Maintenance

BSR/ASME MFC-16-2014 (S202x), Measurement of Liquid Flow in Closed Conduits with Electromagnetic Flowmeters (stabilized maintenance of ANSI/ASME MFC-16-2014 (R2019))
This Standard is applicable to industrial electromagnetic flowmeters and their application in the measurement of liquid flow. The electromagnetic flowmeters covered by this Standard utilize an alternating electrical current (AC) or pulsed direct-current (pulsed-DC) to generate a magnetic field in electrically conductive and electrically homogeneous liquids or slurries flowing in a completely filled, closed conduit. This Standard does not cover: Insertion-type electromagnetic flowmeters; Electromagnetic flowmeters used in surgical, therapeutic, or other health and medical applications; Applications of industrial flowmeters involving nonconductive liquids; Highly conductive liquids (e.g., liquid metals).
Single copy price: $39.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

Comment Deadline: July 8, 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 MFC-18M-2001 (S202x) , Measurement of Fluid Flow Using Variable Area Meters (stabilized maintenance of ANSI/ASME MFC-18M-2001 (R2016))
This Standard describes the common variable area flowmeter. This Standard does not attempt to standardize dimensions because the commercial products differ too widely. The variable area meter is manufactured in a variety of designs. This Standard addresses only those meters based on a vertical tapered tube of round or a modified round cross-section. Specifically not addressed are the various vane-type meters, meters with horizontal flow, or meters which use a spring deflection to oppose flow forces
Single copy price: $33.00
Obtain an electronic copy from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Shaimaa Khalifa <khalifas@asme.org>

ULSE (UL Standards and Engagement)

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

Reaffirmation

BSR/UL 1446-2020 (R202x), Standard for Safety for Systems of Insulating Materials - General (reaffirmation of ANSI/UL 1446-2020)
Reaffirmation and continuance of the 8th Edition of the Standard for Systems for Insulating Materials - General, UL 1446, as an standard.
Single copy price: Free
Order from: https://csds.ul.org/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”

ULSE (UL Standards and Engagement)

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

Revision

BSR/UL 9595-202x, Standard for Factory Follow-Up on Personal Flotation Devices (PFDs) (revision of ANSI/UL 9595-2025)
Clarification of Burst Test basis of acceptability.
Single copy price: Free
Order from: https://csds.ul.org/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.

Project Withdrawn

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

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, 3rd Floor, Piscataway, NJ 08854 | t.belmont@ieee.org, www.ieee.org

BSR/IEEE 2030.7-202x, Standard for the Specification of Microgrid Controllers (new standard)
Send comments (copy psa@ansi.org) to: Teresa Belmont <t.belmont@ieee.org>

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, 3rd Floor, Piscataway, NJ 08854 | t.belmont@ieee.org, www.ieee.org

BSR/IEEE C37.101-202x, Guide for Generator Ground Protection (new standard)
Send comments (copy psa@ansi.org) to: Teresa Belmont <t.belmont@ieee.org>

Withdrawal of an ANS by ANSI-Accredited Standards Developer

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

ULSE (UL Standards and Engagement)

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

ANSI/UL 62133-2017, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications (national adoption with modifications of IEC 62133)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Patricia Sena <patricia.a.sena@ul.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.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA 22203 | tkim@aami.org, www.aami.org

ANSI/AAMI/ISO 11140-4 (R2025), Sterilization of health care products - Chemical indicators - Part 4 - Class 2 indicators as an alternative to the Bowie and Dick-type test for detection of steam penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2012 (R2015)) Final Action Date: 5/1/2025 | *Reaffirmation*

ANSI/AAMI/ISO 11140-5 (R2025), Sterilization of health care products - Chemical indicators - Part 5: Class 2 indicators for Bowie and Dick-type air removal tests (reaffirm a national adoption ANSI/AAMI/ISO 11140-5-2012 (R2015)) Final Action Date: 5/1/2025 | *Reaffirmation*

ACMA (American Composites Manufacturers Association)

200 N. 15th Street, Suite 250, Arlington, VA 22201 | shilaski@acmanet.org, www.acmanet.org

ANSI/ACMA/FGMC-Grating Manual-2017 (R2025), Fiberglass Composites Grating Manual for Pultruded and Molded Grating and Stair Treads (reaffirmation and redesignation of ANSI/ACMA/FGMC-Grating Manual-2017) Final Action Date: 4/29/2025 | *Reaffirmation*

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

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

2ANSI/ASHRAE Addendum 62.1u-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum 62.1r-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum 62.1s-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum 62.1t-2022, Ventilation and Acceptable Indoor Air Quality (addenda to ANSI/ASHRAE Standard 62.1-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum c to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum d to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum e to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum f to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

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

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

ANSI/ASHRAE Addendum g to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum h to Standard 30-2019, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum h to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum i to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Addendum j to ANSI/ASHRAE Standard 34-2024, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2022) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE/ASHE Addendum j to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE/IES Addendum bv 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) Final Action Date: 5/2/2025 | *Addenda*

ANSI/ASHRAE Standard 203 (R2025), Method of Test for Determining Heat Gain of Office Equipment Used in Buildings (reaffirmation of ANSI/ASHRAE Standard 203-2018 (R2021)) Final Action Date: 5/2/2025 | *Reaffirmation*

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

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

ANSI/ASHRAE Standard 164.1-2025, Method of Test for Residential Central-System Humidifiers (revision of ANSI/ASHRAE Standard 164.1-2012 (R2016)) Final Action Date: 5/2/2025 | *Revision*

ASPE (American Society of Plumbing Engineers)

6400 Shafer Court, Suite 350, Rosemont, IL 60018 | gpienta@aspe.org, www.aspe.org

ANSI/ASPE 45-2025, Siphonic Roof Drainage (revision of ANSI/ASPE 45-2018) Final Action Date: 5/5/2025 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM F3760-2025, Practice for Hydrogel Projectile Launcher Playing Field (new standard) Final Action Date: 4/22/2025 | *New Standard*

ANSI/ASTM E948-2018 (R2025), Test Method for Electrical Performance of Photovoltaic Cells Using Reference Cells Under Simulated Sunlight (reaffirmation of ANSI/ASTM E948-2018 (R2020)) Final Action Date: 4/22/2025 | *Reaffirmation*

ANSI/ASTM E973-2018 (R2025), Test Method for Determination of the Spectral Mismatch Parameter Between a Photovoltaic Device and a Photovoltaic Reference Cell (reaffirmation of ANSI/ASTM E973-2018 (R2020)) Final Action Date: 4/22/2025 | *Reaffirmation*

ANSI/ASTM E1021-2018 (R2025), Test Method for Spectral Responsivity Measurements of Photovoltaic Devices (reaffirmation of ANSI/ASTM E1021-2018 (R2019)) Final Action Date: 4/22/2025 | *Reaffirmation*

ANSI/ASTM F2060-2001 (R2025), Guide for Maintaining Cool Season Turfgrasses on Athletic Fields (reaffirmation of ANSI/ASTM F2060-2001 (R2018)) Final Action Date: 4/22/2025 | *Reaffirmation*

ANSI/ASTM F2269-2011 (R2025), Guide for Maintaining Warm Season Turfgrasses on Athletic Fields (reaffirmation of ANSI/ASTM F2269-2011 (R2018)) Final Action Date: 4/22/2025 | *Reaffirmation*

ANSI/ASTM E162-2025, Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source (revision of ANSI/ASTM E162-2024) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM E1354-2025, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1354-2024) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM E1687-2025, Test Method for Determining Carcinogenic Potential of Virgin Base Oils in Metalworking Fluids (revision of ANSI/ASTM E1687-2019) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM E2226-2025, Practice for Application of Hose Stream (revision of ANSI/ASTM E2226-2024) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM E2336-2025, Test Methods for Fire Resistive Grease Duct Enclosure Systems (revision of ANSI/ASTM E2336 -2020) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM E2749-2025, Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens (revision of ANSI/ASTM E2749-2024A) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM F2441-2025, Practice for Labeling of Recreational Camping Tents and Bivouac Sacks (revision of ANSI/ASTM F2441-2021) Final Action Date: 4/22/2025 | *Revision*

ANSI/ASTM F3431-2025, Specification for Determining Flammability of Materials for Recreational Camping Tents and Warning Labels for Associated Hazards (revision of ANSI/ASTM F3431-2021) Final Action Date: 4/22/2025 | *Revision*

ASTM (ASTM International)

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

ANSI/ASTM E1591-2020, Guide for Obtaining Data for Fire Growth Models (withdrawal of ANSI/ASTM E1591-2020) Final Action Date: 4/22/2025 | *Withdrawal*

ATIS (Alliance for Telecommunications Industry Solutions)

1200 G Street, NW, Ste 500, Washington, DC 20005 | masefa@atis.org, www.atis.org

ANSI/ATIS 0100012-2019 (R2025), Standard Outage Classification (reaffirmation of ANSI/ATIS 0100012-2019) Final Action Date: 5/1/2025 | *Reaffirmation*

BIFMA (Business and Institutional Furniture Manufacturers Association)

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

ANSI/BIFMA X5.4-2020 (R2025), Public and Lounge Seating (reaffirmation of ANSI/BIFMA X5.4-2020) Final Action Date: 5/1/2025 | *Reaffirmation*

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | s.merten@ieee.org, www.ieee.org

ANSI/IEEE 286-2025, Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation (revision of ANSI/IEEE 286-2000 (R2012)) Final Action Date: 5/5/2025 | *Revision*

NEMA (National Electrical Manufacturers Association)

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

ANSI/NEMA SM 31000-1-2025, Electrical Submeter - General Requirements (revision of ANSI/NEMA SM 31000-1 2021) Final Action Date: 5/5/2025 | *Revision*

ANSI/NEMA SM 31000-2-2025, Electrical Submeter - AC Active Energy Accuracy (revision of ANSI/NEMA SM 31000-2 -2021) Final Action Date: 5/5/2025 | *Revision*

NWRA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive Suite 804, Arlington, VA 22202 | yjerry@wasterecycling.org, www.wasterecycling.org

ANSI/NWRA Z245.23-2025, Uncontrolled Public Access Compactors (new standard) Final Action Date: 5/5/2025 | *New Standard*

TIA (Telecommunications Industry Association)

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

ANSI/TIA 604-19-2021 (R2025), FOCIS 19 Fiber Optic Connector Intermateability Standard Type SEN Connector (reaffirmation of ANSI/TIA 604-19-2021) Final Action Date: 5/1/2025 | *Reaffirmation*

ULSE (UL Standards and Engagement)

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

ANSI/UL RP 121203 (R2025), Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 121203-2021) Final Action Date: 4/30/2025 | *Reaffirmation*

ANSI/UL 174-2025, Standard for Safety for Household Electric Storage Tank Water Heaters (revision of ANSI/UL 174 -2024) Final Action Date: 4/28/2025 | *Revision*

ANSI/UL 268-2025, Standard for Smoke Detectors for Fire Alarm Systems (revision of ANSI/UL 268-2024) Final Action Date: 4/28/2025 | *Revision*

ULSE (UL Standards and Engagement)

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

ANSI/UL 583-2025, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2022)
Final Action Date: 5/1/2025 | *Revision*

ANSI/UL 1479-2025, Standard for Fire Tests of Penetration Firestops (revision of ANSI/UL 1479-2024) Final Action Date: 4/30/2025 | *Revision*

ANSI/UL 1863-2025, Standard for Safety for Communications - Circuit Accessories (revision of ANSI/UL 1863-2019)
Final Action Date: 4/29/2025 | *Revision*

VITA (VMEbus International Trade Association (VITA))

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

ANSI/VITA 66.0-2016 (R2025), Optical Interconnect on VPX - Base Standard (reaffirmation of ANSI/VITA 66.0-2016)
Final Action Date: 5/1/2025 | *Reaffirmation*

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.

ANSI Accredited Standards Developer

NWRA (ASC Z245) - National Waste & Recycling AssociationEquipment Technology & Operations for Wastes & Recyclable Materials

Committee Outreach

NWRA is actively seeking participation in the following standards development work and in all interest categories, which includes:

ANS Z245 Equipment Technology and Operations for Wastes and Recyclable Materials, The approved scope of the ANS Z245 Committee's standards activities encompasses requirements for the design, manufacture, installation, modification, servicing, maintenance and use of equipment and systems used to collect, contain, transport, store, process, recycle, treat and dispose of solid wastes and recyclable materials. It also includes the operations of facilities and activities in which these equipment and technologies are incorporated: Interest Category: manufacturer, user, general interest, distributor or dealer, labor, and regulatory agency. To apply or obtain additional information please contact Kirk Sander at ksander@wasterecycling.org. For more information, see https://wasterecycling.org/ans-z245-standards/

AGA (ASC Z380) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC 20001 | lescobar@aga.org, www.aga.org

BSR GPTC Z380.1-2022 TR 2021-37-202x , Guide for Transmission, Distribution and Gathering Piping Systems (revision of ANSI GPTC Z380.1-2022)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-1.1-202x, Wind energy generation systems - Part 1: Design requirements (Amendment 1) (identical national adoption of IEC 61400-1/AMD1 ED4:2025)

ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | secretary@aresca.us, www.aresca.us

BSR/ARESCA 61400-3-2-202x, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC 61400-3-2:2025)

ASABE (American Society of Agricultural and Biological Engineers)

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

BSR/ASABE S620.2 MONYEAR-202x, Safety for Anhydrous Ammonia Application Equipment (revision of ANSI/ASABE S620.1-APR2022)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

BSR X9.100-160-2-2020 (R202x), Magnetic Ink Printing (MICR) - Part 2: EPC Field Use (reaffirmation of ANSI X9.100-160-2-2020)

AWS (American Welding Society)

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

BSR/AWS A4.3-202x, Standard Methods for Determination of the Diffusible Hydrogen Content of Martensitic, Bainitic, and Ferritic Steel Weld Metal Produced by Arc Welding (revision of ANSI/AWS A4.3-1993-ADD1)

AWS (American Welding Society)

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

BSR/AWS A5.11/A5.11M-202x, Specification for Nickel and Nickel-Alloy Welding Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.11/A5.11M-2018)

AWS (American Welding Society)

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

BSR/AWS A5.18/A5.18M-202x, Specification for Carbon Steel Electrodes and Rods for Gas Shielded Arc Welding (revision of ANSI/AWS A5.18/A5.18M-2023)

AWS (American Welding Society)

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

BSR/AWS A5.20/A5.20M-202x, Specification for Carbon Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.20/A5.20M-2021)

AWS (American Welding Society)

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

BSR/AWS D14.9/D14.9M-202x, Specification for the Welding of Hydraulic Cylinders (revision of ANSI/AWS D14.9/D14.9M-2023-AMD1)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2120-202x, Design Requirements for a Label for IoT Device Cybersecurity (new standard)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2127-202x, Performance Characteristics and Requirements for Consumer Pulse Oximetry Monitoring Solutions (new standard)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2003-C S-2025 (S202x), Digital Audiobook File Format and Player Requirements (stabilized maintenance of ANSI/CTA 2003-C-2007 (R2019))

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2014-B S-2025 (S202x), Web-based Protocol and Framework for Remote User Interface on UPnP™ Networks and the Internet (WebCE) (stabilized maintenance of ANSI/CTA 2014-B-2011 (R2019))

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2017.1 S-2025 (S202x), Serial Communication Protocol for Portable Electronic Devices (stabilized maintenance of ANSI/CTA 2017.1-2007 (R2019))

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2063-A R-2025 (R202x), Small Unmanned Aerial Systems Serial Numbers (reaffirmation of ANSI/CTA 2063-A-2019)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2076 R-2025 (R202x), Inclusive, Audio-based, Network Navigation Systems for All Persons including Those who are Blind/Low Vision (reaffirmation of ANSI/CTA 2076)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2085 R-2025-202x, Definitions and Characteristics for VR Video and VR (reaffirmation of ANSI/CTA 2068 (R2025))

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 2087 R-2025 (R202x), Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (reaffirmation of ANSI/CTA 2087-2019)

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 863-B S-2025 (S202x), Connection Color Codes for Home Theater Systems (stabilized maintenance of ANSI/CTA/CEDIA 863-B-2011 (R2018))

CTA (Consumer Technology Association)

1919 S Eads St, Arlington, VA 22202 | kbelsky@cta.tech, www.cta.tech

BSR/CTA 897 S-2025 (S202x), F-Connector Color Coding for Home Television Systems (stabilized maintenance of ANSI/CTA CEDIA 897-2010 (R2018))

DirectTrust™ (DirectTrust.org, Inc.)

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

BSR/DS2019-01-500-202x, Implementation Guide for Expressing Context for Direct Secure Messaging (new standard)

Interest Categories: Call for members: Are you interested in contributing to the development and maintenance of the The Direct Standard(R) Consensus Body? Are you interested in contributing to the development and maintenance of the Direct Standard® to enable exchange of authenticated, encrypted health information to known trusted recipients? DirectTrust is currently seeking members in the following categories: Healthcare Sector Government Sector Payer Sector Consumer Sector Social Care Sector General Interest and Advocacy Information Technology Sector Interoperability and Systems Integration Sector If you are interested in joining the DS2019 01 The Direct Standard(R) Consensus Body,

ECIA (Electronic Components Industry Association)

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

BSR/EIA 797-2014 (R202x), Aluminum-Electrolytic Capacitor Application Guideline (reaffirmation of ANSI/EIA 797 -2014 (R2020))

ECIA (Electronic Components Industry Association)

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

BSR/EIA 62391-1-202x, Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification (identical national adoption of IEC 62391-1:2022 and revision of ANSI/EIA 62391-1-2020)

NEMA (National Electrical Manufacturers Association)

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

BSR/MG 10011-2025-202x, Power Index Calculation Procedure Standard Rating Methodology for Motors, Power Drive Systems, and Complete Drive Modules (new standard)

NETA (InterNational Electrical Testing Association)

3050 Old Centre Rd, Suite 101, Portage, MI 49024 | ldanzy@netaworld.org, www.netaworld.org

BSR/NETA EMW-2026-202x, Standard for Qualification of Electrical Maintenance Workers for Electrical Power Equipment & Systems (new standard)

NSF (NSF International)

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

BSR/NSF 527-202x (i1r1), Personal Care Products (new standard)

NSF (NSF International)

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

BSR/NSF/CAN 60-202x (i107r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF/CAN 60-2024)

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 ED-1-202x, RESNA Standard for Evacuation Devices - Volume 1: Emergency Stair Travel Devices used by Individuals with Disabilities (revision of ANSI/RESNA ED-1-2019)

ULSE (UL Standards and Engagement)

100 Queen St. Suite 1040, Ottawa, ON K1P 1J9 | bahar.sammak@ul.org, https://ulse.org/

BSR/UL 687-2011 (R202x), Standard for Burglary-Resistant Safes (reaffirmation of ANSI/UL 687-2011 (R2020))

ULSE (UL Standards and Engagement)

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

BSR/UL 9595-202x, Standard for Factory Follow-Up on Personal Flotation Devices (PFDs) (revision of ANSI/UL 9595 -2025)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 95.0-202x, Circular 38999 Connectors with EBO Fiber Technology Standard (new standard)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 96.0-202x, Backplane Connectors with EBO Fiber Technology Standard (new standard)

American National Standards (ANS) Process

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

Approval of Reaccreditation – ASD

NEBB - National Environmental Balancing Bureau

Effective April 30, 2025

The reaccreditation of **NEBB - National Environmental Balancing Bureau** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NEBB-sponsored American National Standards, effective **April 30, 2025**. For additional information, please contact: Christina Spence, National Environmental Balancing Bureau (NEBB) | 8575 Government Circle, Gaithersburg, MD 20877 | (301) 977-3698, christina@nebb.org

Approval of Reaccreditation – ASD

NMEA - National Marine Electronics Association

Effective May 2, 2025

The reaccreditation of **NMEA - National Marine Electronics Association** has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on NMEA-sponsored American National Standards, effective **May 2, 2025**. For additional information, please contact: Mark Oslund, National Marine Electronics Association (NMEA) | 846 Ritchie Highway, Suite L4, Severna Park, MD 21146 | (410) 975-9425, moslund@nmea.org

Public Review of Revised ASD Operating Procedures

AAFS - American Academy of Forensic Sciences

Comment Deadline: June 9, 2025

AAFS - The **American Academy of Forensic Sciences | Standards Board** has submitted revisions to its currently accredited operating procedures for documenting consensus on AAFS-sponsored American National Standards, under which it was last reaccredited in 2023. 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: Teresa Ambrosius, American Academy of Forensic Sciences (AAFS) | 410 North 21st Street, Colorado Springs, CO 80904 | (719) 453-1036, tambrosius@aafs.org

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 AAFS by **June 9, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Accreditation Announcements (Standards Developers)

Public Review of Revised ASD Operating Procedures

API - American Petroleum Institute

Comment Deadline: June 9, 2025

API - The **American Petroleum Institute** has submitted revisions to its currently accredited operating procedures for documenting consensus on API-sponsored American National Standards, under which it was last reaccredited in 2022. 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: Paula Watkins, American Petroleum Institute (API) | 200 Massachusetts Avenue NW, Washington, DC 20001 | (202) 682-8197, watkinsp@api.org

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 API by **June 9, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Public Review of Revised ASD Operating Procedures

NFPA - National Fire Protection Association

Comment Deadline: June 9, 2025

NFPA - The **National Fire Protection Association**, has submitted revisions to its currently accredited Regulations for documenting consensus on NFPA-sponsored American National Standards, under which it was last reaccredited in 2022. 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: Dawn Michele Bellis, National Fire Protection Association (NFPA) | One Batterymarch Park, Quincy, MA 02169 | (617) 984-7246, dbellis@nfpa.org

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 NFPA by **June 9, 2025**, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org)

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

CSA - CSA America Standards Inc.

Meeting Time: June 9, 2025 from 1:00 P.M. to 4:00 P.M. EDT

CSA Group will hold the Residential Equipment Technical Committee meeting in hybrid format (in person at the Westin in Ottawa and online through MS Teams) on June 9, 2025 from 1:00 P.M. to 4:00 P.M. EDT. For more information on the meeting and the agenda, contact Carla Nassab at carla.nassab@csagroup.org.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business, you are required to notify the project manager in writing no later than May 15, 2025. Notification shall include any material proposed for presentation to the Technical Committee. For information, please contact Project Manager, Carla Nassab at carla.nassab@csagroup.org.

Carla Nassab
Project Manager
Energy Efficiency and Renewables
CSA Group

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.

AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
www.aami.org

Thomas Kim
tkim@aami.org

ACMA
American Composites Manufacturers Association
200 N. 15th Street, Suite 250
Arlington, VA 22201
www.acmanet.org

Susan Hilaski
shilaski@acmanet.org

AGA (ASC Z380)
American Gas Association
400 North Capitol Street, NW, Suite 450
Washington, DC 20001
www.aga.org

Luis Escobar
lescobar@aga.org

API
American Petroleum Institute
200 Massachusetts Avenue NW
Washington, DC 20001
www.api.org

Grayson Ridgway
ridgwayg@api.org

ARESCA
American Renewable Energy Standards and Certification Association
256 Farrell Farm Road
Norwich, VT 05055
www.aresca.us

George Kelly
secretary@aresca.us

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

Jean Walsh
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ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street, Suite 107
Annapolis, MD 21401
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Two Park Avenue, M/S 6-2B
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ASPE
American Society of Plumbing Engineers
6400 Shafer Court, Suite 350
Rosemont, IL 60018
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ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
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Laura Klineburger
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ATIS
Alliance for Telecommunications Industry Solutions
1200 G Street, NW, Ste 500
Washington, DC 20005
www.atis.org

Mignot Asefa
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AVIXA
Audiovisual and Integrated Experience Association
11242 Waples Mill Road, Suite 200
Fairfax, VA 22030
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Loanna Overcash
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AWS
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AWWA
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6666 W. Quincy Avenue
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www.awwa.org

Madeline Rohr
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BIFMA
Business and Institutional Furniture Manufacturers Association
678 Front Avenue NW, Suite 150
Grand Rapids, MI 49504
www.bifma.org

Anthony Serge
aserge@bifma.org

CTA
Consumer Technology Association
1919 S Eads St
Arlington, VA 22202
www.cta.tech

Kayla Belsky
kbelsky@cta.tech

DirectTrustTM
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1629 K Street NW, Suite 300
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Taylor Davis
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ECIA
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Upper Marlboro, MD 20774
www.HomeInnovation.com

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

Karl Aittaniemi
kaittaniemi@iccsafe.org

IEEE
Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
www.ieee.org

Suzanne Merten
s.merten@ieee.org

ITSDF
Industrial Truck Standards Development Foundation, Inc.
1750 K Street NW, Suite 460
Washington, DC 20006
www.indtrk.org

Christopher Merther
chris.merther@itsdf.org

NEMA
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Rosslyn, VA 22209
www.nema.org

Andrei Moldoveanu
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NETA
InterNational Electrical Testing Association
3050 Old Centre Rd, Suite 101
Portage, MI 49024
www.netaworld.org

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NSF
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789 N. Dixboro Road
Ann Arbor, MI 48105
www.nsf.org

Amy Jump
ajump@nsf.org

Rachel Brooker
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NWRA (ASC Z245)
National Waste & Recycling Association
1550 Crystal Drive Suite 804
Arlington, VA 22202
www.wasterecycling.org

Yashuwa Jerry
yjerry@wasterecycling.org

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

Kennedy Smith
technicalstandards@resna.org

RESNET
Residential Energy Services Network, Inc.
P.O. Box 4561
Oceanside, CA 92052
www.resnet.us.com

Richard Dixon
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TIA
Telecommunications Industry Association
1320 North Courthouse Road, Suite 200
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www.tiaonline.org

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ISO & IEC Draft International Standards

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

COMMENTS

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

Those regarding IEC documents should be sent to the USNC/IEC team at ANSI's New York offices (usnc@ansi.org). The final date for offering comments is listed after each draft.

ORDERING INSTRUCTIONS

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

ISO Standards

Acoustics (TC 43)

ISO/DIS 21388-1, Acoustics - Hearing aid fitting management (HAFM) - Part 1: General process - 7/19/2025, $112.00

Agricultural food products (TC 34)

ISO/DIS 6754, Dried thyme (Thymus vulgaris L.) - Specification - 7/21/2025, $40.00

ISO/DIS 9877, Milk and milk products - Determination of ash - 7/21/2025, $46.00

ISO/DIS 7928-1, Savory - Specification - Part 1: Winter savory (Satureja montana Linnaeus) - 7/21/2025, $46.00

ISO/DIS 7928-2, Savory - Specification - Part 2: Summer savory (Satureja hortensis Linnaeus) - 7/20/2025, $46.00

Floor coverings (TC 219)

ISO/DIS 4918, Resilient, textile, laminate and modular mechanical locked floor coverings - Castor chair test - 7/18/2025, $82.00

Paints and varnishes (TC 35)

ISO/DIS 4625-3, Binders for paints and varnishes - Determination of softening point - Part 3: Cup method (without a ball) - 7/21/2025, $53.00

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

ISO/DIS 25780, Plastics piping systems for pressure and non-pressure water supply, drainage or sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin - Pipes with flexible joints intended to be installed using jacking techniques - 7/18/2025, $112.00

Small tools (TC 29)

ISO/DIS 6789-2, Assembly tools for screws and nuts - Hand torque tools - Part 2: Requirements for calibration and determination of measurement uncertainty - 7/17/2025, $119.00

Steel (TC 17)

ISO/DIS 657-1, Hot-rolled steel sections - Dimensions, sectional properties and tolerances - Part 1: Angles, channels and beams - 7/21/2025, $93.00

Sterilization of health care products (TC 198)

ISO/DIS 11135, Sterilization of health-care products - Ethylene oxide - Requirements for the development, validation and routine control of a sterilization process for medical devices - 7/19/2025, $165.00

Traditional Chinese medicine (TC 249)

ISO/DIS 24063, Traditional Chinese medicine - Ziziphus jujuba fruit - 7/19/2025, $58.00

ISO/DIS 25115, Traditional Chinese medicine - cultivated Cistanche deserticola stem - 7/24/2025, $67.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 19566-6, Information technologies - JPEG systems - Part 6: JPEG 360 - 7/24/2025, $102.00

ISO/IEC DIS 29170-3, Information technology - JPEG AIC Assessment of image coding - Part 3: Subjective quality assessment of high-fidelity images - 7/24/2025, $93.00

IEC Standards

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

100/4305/CDV, IEC 63087 ED1: Assistive listening devices and systems for active assisted living, 07/25/2025

100/4306/CDV, IEC 63474 ED2: Electrical and electronic household and office equipment - Measurement of networked standby power of edge equipment, 07/25/2025

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

46A/1725/CD, IEC 61196-1-129 ED1: Coaxial communication cables - Part 1-129: Electrical test methods - Link-loss balance of radiating cables, 06/27/2025

Electric road vehicles and electric industrial trucks (TC 69)

69/1055/CDV, ISO 15118-21: Road vehicles - Vehicle to grid communication interface - Part 21: Common 2nd generation network layer and application layer requirements conformance test plan, 07/25/2025

Electric welding (TC 26)

26/775/CD, IEC 62822-2 ED2: Electric welding equipment - Assessment of restrictions related to human exposure to electromagnetic fields (0 Hz to 300 GHz) - Part 2: Arc welding equipment, 06/27/2025

Electrical accessories (TC 23)

23K/123/FDIS, IEC 63445 ED1: System referencing conductor switching device, 06/13/2025

Electrical Energy Storage (EES) Systems (TC 120)

120/419/FDIS, IEC 62933-4-3 ED1: Electrical energy storage (EES) systems - Part 4-3: The protection requirements of BESS according to the environmental conditions, 06/13/2025

120/415(F)/FDIS, IEC 62933-5-2 ED2: Electrical energy storage (EES) systems - Part 5-2: Safety requirements for grid-integrated EES systems - Electrochemical-based systems, 05/30/2025

Electrical equipment in medical practice (TC 62)

62C/945(F)/FDIS, IEC 63322 ED1: Security of ME equipment containing high-activity sealed radioactive sources, 05/23/2025

62/545/CD, IEC 63521 ED1: Machine learning-enabled medical device - Performance evaluation process, 07/25/2025

Electromagnetic compatibility (TC 77)

77C/351/FDIS, IEC 61000-4-23/AMD1 ED2: Amendment 1 - Electromagnetic compatibility (EMC) - Part 4-23: Testing and measurement techniques - Test methods for protective devices for HEMP and other radiated disturbances, 06/13/2025

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

48B/3164/CD, IEC 61076-3-127 ED1: CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT -PRODUCT REQUIREMENTS -Part 3-127: Rectangular connectors - Detail specification for type XC hybrid connectors for fibre optic data transmission and power supply, with press locking, 06/27/2025

48D/786/CD, IEC 61969-3 ED5: Mechanical structures for electrical and electronic equipment - Outdoor enclosures - Part 3: Environmental requirements, tests and safety aspects, 06/27/2025

Electrostatics (TC 101)

101/732(F)/FDIS, IEC 61340-4-6 ED3: Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps, 05/16/2025

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

111/813/CDV, IEC 62321-3-1 ED2: Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium total bromine, total phosphorus, total chlorine, total tin and total antimony content by X-ray fluorescence spectrometry, 07/25/2025

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

13/1958/NP, PNW 13-1958 ED1: Requirements for data model and data format for revenue grade sub-meters used for billing of flexibility services and for control of Smart Appliances, 06/27/2025

13/1959/NP, PNW 13-1959 ED1: Data model and data format for the metrology aspects of revenue grade electricity sub-meters, 06/27/2025

Fibre optics (TC 86)

86C/1966/CDV, IEC 61291-5-2/AMD1 ED2: Amendment 1 - Optical amplifiers - Part 5-2: Qualification specifications - Reliability qualification for optical fibre amplifiers, 07/25/2025

Fire hazard testing (TC 89)

89/1611/DTR, Fire hazard testing - Part 2-16: Glowing/hot-wire based test methods - Results of the round robin tests for the development of IEC 60695-2-10 Ed.4, 06/27/2025

High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV (TC 115)

115/405/CD, IEC TR 63363-2 ED1: Performance of voltage sourced converter (VSC) based high-voltage direct current (HVDC) transmission - Part 2: Transient conditions, 06/27/2025

High-voltage testing techniques (TC 42)

42/455(F)/CDV, IEC 62475 ED2: High-current test techniques - Definitions and requirements for test currents and measuring systems, 07/04/2025

Industrial-process measurement and control (TC 65)

65C/1350/CD, IEC TS 63444 ED2: Industrial networks - Ethernet-APL port profile / Ethernet-SPE profile specification, 07/11/2025

Lamps and related equipment (TC 34)

34D/1781/CD, IEC 60598-2-13 ED2: Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires, 07/25/2025

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

113/901/DTS, ISO TS 23359 ED1: Nanotechnologies -- Chemical characterization of graphene in in powders and suspensions, 06/13/2025

Performance of household electrical appliances (TC 59)

59N/72/CDV, IEC 60704-2-19 ED1: Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-19: Particular requirements for air cleaners, 07/25/2025

59/848/CDV, IEC 62301 ED3: Measurement of standby power for appliances and equipment, 07/25/2025

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

49/1496(F)/CDV, IEC 63541 ED1: Lithium tantalate and lithium niobate crystals for surface acoustic wave (SAW) device applications - Specifications and measuring methods, 07/11/2025

Power capacitors (TC 33)

33/720/CDV, IEC 62146-1 ED2: Capacitors for high-voltage alternating current circuit-breakers - Part 1: General and grading capacitors, 07/25/2025

Safety of household and similar electrical appliances (TC 61)

61/7436/DISH, IEC 60335-1/ISH2 ED6: Interpretation Sheet 2 - Household and similar electrical appliances - Safety - Part 1: General requirements, 06/13/2025

Short-circuit currents (TC 73)

73/220/CDV, IEC 60909-0 ED3: Short-circuit currents in three-phase a.c. systems - Part 0: Calculation of currents, 07/25/2025

Solar photovoltaic energy systems (TC 82)

82/2419/NP, PNW 82-2419 ED1: Photovoltaic systems - Design qualification of horizontal single axis solar trackers, 06/27/2025

System engineering and erection of electrical power installations in systems with nominal voltages above 1 kV A. C., particularly considering safety aspects (TC 99)

99/491/CD, IEC 60071-1 ED10: Insulation co-ordination - Part 1: Definitions, principles and rules, 06/27/2025

Tools for live working (TC 78)

78/1513/CDV, IEC 60903 ED4: Live working - Electrical insulating gloves, 07/25/2025

Wearable electronic devices and technologies (TC 124)

124/316/CDV, IEC 63203-403-1 ED1: Wearable electronic devices and technologies - Part 403-1: Test method of surface electromyography sensors onto forearm and hand for wearable applications, 07/25/2025

ISO/IEC JTC 1, Information Technology

(TC)

JTC1-SC41/508/DTS, ISO/IEC TS 30180 ED1: Internet of Things (IoT) - Functional requirements to determine the status of self-quarantine through IoT data interfaces, 06/27/2025

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

Ageing societies (TC 314)

ISO 25556:2025, Ageing societies - General requirements and guidelines for ageing-inclusive digital economy, $230.00

Agricultural food products (TC 34)

ISO 17648:2025, Quick-frozen coated aquatic products - Specification, $84.00

ISO 18390:2025, Cereals, pulses and cereal products - Sampling - Simplified routine method, $127.00

Aircraft and space vehicles (TC 20)

ISO 19281:2025, Air cargo - Fire-resistant containers - Design, performance and testing requirements, $127.00

Banking and related financial services (TC 68)

ISO 24165-1:2025, Digital token identifier (DTI) - Registration, assignment and structure - Part 1: Method for registration and assignment, $84.00

Biological evaluation of medical and dental materials and devices (TC 194)

ISO 10993-23:2021/Amd 1:2025, - Amendment 1: Biological evaluation of medical devices - Part 23: Tests for irritation - Amendment 1: Additional in vitro reconstructed human epidermis models, $23.00

Chain of custody of wood and wood-based products (TC 287)

ISO 13391-1:2025, Wood and wood-based products - Greenhouse gas dynamics - Part 1: Framework for value chain calculations, $201.00

ISO 13391-2:2025, Wood and wood-based products - Greenhouse gas dynamics - Part 2: Forest carbon balance, $127.00

ISO 13391-3:2025, Wood and wood-based products - Greenhouse gas dynamics - Part 3: Displacement of greenhouse gas emissions, $84.00

Corrosion of metals and alloys (TC 156)

ISO 21207:2025, Corrosion tests in artificial atmospheres - Accelerated corrosion tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying, $84.00

Dentistry (TC 106)

ISO 18374:2025, Dentistry - Artificial intelligence (AI) and augmented intelligence (AuI) based 2D radiograph analysis - Data generation, data annotation and data processing, $127.00

ISO 20127:2025, Dentistry - Physical properties of powered toothbrushes, $172.00

Dimensional and Geometrical Product Specifications and Verification (TC 213)

ISO 5059-1:2025, Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Design and metrological characteristics of two-point inside micrometers, $84.00

Fireworks (TC 264)

ISO 22863-16:2025, Fireworks - Test methods for determination of specific chemical substances - Part 16: Procedure for identification of report or burst charge, $56.00

Fluid power systems (TC 131)

ISO 18464:2025, Hydraulic fluid power - Design methodology for energy efficient systems, $84.00

Glass in building (TC 160)

ISO 16293-2:2025, Glass in building - Basic soda lime silicate glass products - Part 2: Float glass, $84.00

Information and documentation (TC 46)

ISO 16687:2025, Impact assessment for museums, $230.00

Internal combustion engines (TC 70)

ISO 8528-5:2025, Reciprocating internal combustion engine driven alternating current generating sets - Part 5: Generating sets, $230.00

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

ISO 22504:2025, Oil and gas industries including lower carbon energy - Pipeline transportation systems - Onshore and offshore pipelines pig traps design requirements, $230.00

Optics and optical instruments (TC 172)

ISO 14889:2025, Ophthalmic optics - Spectacle lenses - Fundamental requirements for uncut finished lenses, $84.00

Petroleum products and lubricants (TC 28)

ISO 11365:2025, Petroleum and related products - Maintenance and use of triaryl phosphate ester turbine control fluids - Guidance and requirements, $172.00

ISO 20120:2025, Lubricants - Determination of the coefficient of friction of synchronizer lubricated by manual transmission fluids (MTF) - High-frequency, linear-oscillation (SRV) test machine, $127.00

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

ISO 8149:2025, Unplasticized polyamide (PA-U) pipes - Effect of time and temperature on the expected strength, $84.00

Road vehicles (TC 22)

ISO 13296:2025, Diesel engines - High-pressure fuel injection pipe assemblies - General requirements and dimensions, $127.00

ISO 17987-1:2025, Road vehicles - Local Interconnect Network (LIN) - Part 1: General information and use case definition, $84.00

ISO 17987-6:2025, Road vehicles - Local Interconnect Network (LIN) - Part 6: Protocol conformance test specification, $287.00

Rubber and rubber products (TC 45)

ISO 11237:2025, Rubber hoses and hose assemblies - Compact wire-braid-reinforced hydraulic types for oil-based or water-based fluids - Specification, $127.00

ISO 17581:2025, Rubber- or plastics-coated fabrics - Determination of water absorption resistance, $127.00

Ships and marine technology (TC 8)

ISO 16199:2025, Ships and marine technology - Jacking system appliances on self-elevating unit - Acceptance tests, $84.00

Solid biofuels (TC 238)

ISO 17831-2:2025, Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 2: Briquettes, $56.00

Solid mineral fuels (TC 27)

ISO 501:2025, Hard coal - Determination of the crucible swelling number, $84.00

ISO 5068-1:2025, Brown coals and lignites - Determination of moisture - Part 1: Indirect gravimetric method for total moisture, $84.00

ISO 5068-2:2025, Brown coals and lignites - Determination of moisture - Part 2: Indirect gravimetric method for moisture in the analysis sample, $56.00

Terminology (principles and coordination) (TC 37)

ISO 24617-15:2025, Language resource management - Semantic annotation framework (SemAF) - Part 15: Measurable quantitative information extraction (MQIE), $127.00

Timber (TC 218)

ISO 13061-15:2025, Physical and mechanical properties of wood - Test methods for small clear wood specimens - Part 15: Determination of radial and tangential swelling, $56.00

ISO Technical Reports

Aircraft and space vehicles (TC 20)

ISO/TR 25087:2025, Space systems - Study of electrical wire derating, $84.00

Industrial automation systems and integration (TC 184)

ISO/TR 23247-100:2025, Automation systems and integration - Digital twin framework for manufacturing - Part 100: Use case on management of semiconductor ingot growth process, $127.00

ISO Technical Specifications

Acoustics (TC 43)

ISO/TS 16755-1:2025, Acoustics - Non-acoustic factors influencing the perception, interpretation and response to environmental sounds - Part 1: Definition and conceptual framework, $56.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 21471:2025, Information technology - Automatic identification and data capture techniques - Data Matrix Rectangular Extension (DMRE) bar code symbology specification, $172.00

ISO/IEC 14763-5:2025, Information technology - Implementation and operation of customer premises cabling - Part 5: Sustainability, $230.00

ISO/IEC 22460-1:2025, Cards and security devices for personal identification - ISO UAS licence and drone or UAS security module - Part 1: Physical characteristics and basic data sets for UAS licence, $201.00

IEC Standards

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

IEC 63455 Ed. 1.0 b:2025, Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction, $200.00

Electric traction equipment (TC 9)

IEC 62425 Ed. 2.0 en:2025 CMV, Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling, $1056.00

IEC 62425 Ed. 2.0 en:2025, Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling, $528.00

Fibre optics (TC 86)

IEC 62149-4 Amd.1 Ed. 3.0 b:2025, Amendment 1 - Fibre optic active components and devices - Performance standards - Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application, $26.00

IEC 62149-4 Ed. 3.1 en:2025, Fibre optic active components and devices - Performance standards - Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application, $200.00

Insulating materials (TC 15)

IEC 60684-3-282 Ed. 2.0 b:2025, Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving - Stress control, $52.00

S+ IEC 60684-3-282 Ed. 2.0 en:2025 (Redline version), Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving - Stress control, $88.00

Printed Electronics (TC 119)

IEC 62899-401 Ed. 2.0 en:2025, Printed electronics - Part 401: Printability - Overview, $52.00

S+ IEC 62899-401 Ed. 2.0 en:2025 (Redline version), Printed electronics - Part 401: Printability - Overview, $88.00

IEC Technical Reports

Evaluation and Qualification of Electrical Insulating Materials and Systems (TC 112)

IEC/TR 61857-2 Ed. 2.0 en:2025, Electrical insulation systems - Procedures for thermal evaluation - Part 2: Selection of the appropriate test method for evaluation and classification of electrical insulation systems, $52.00

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.

Additional Substantive Changes to 2024 National Green Building Standard (NGBS) DRAFT 3

Those Committee Comments that were Accepted at the April 25, 2025 meeting have been incorporated into this document posted at www.HomeInnovation.com/NGBS. The additional substantive changes to the 2024 NGBS Draft 3 are provided below for the purpose of soliciting public comments. Only the specific changes shown in legislative format as underline and ~~strikethrough~~ or sections that are directly impacted by these changes are open for public comment. Public comments are accepted through **June 8, 2025**.

The final draft of the revised Standard will be editorially reviewed for spelling, grammar, unit conversions, and format after all substantive changes have been approved by the Consensus Committee

CHANGE 1: Add text for consistency with energy and water compliance options

305.2.5 Energy efficiency. The building shall comply with § 11.701.1 and the compliance requirements of Table 305.2.5. The attributes of the existing building that were in compliance with 11.700 prior to certification and remain in compliance when submitting for certification shall be eligible for contributing points to this section.

CHANGE 2: Table 305.2.5 – remove 70 Prescriptive Path Points from Emerald as this is not applicable, all other points remain unchanged; and in § 11.701.2 – remove Emerald level compliance as an option for clarification.

Table 305.2.5
Energy Compliance Thresholds

	Rating Level			
	BRONZE	**SILVER**	**GOLD**	**EMERALD**
Prescriptive Path Points	30	45	60	~~70~~N/A

11.701.2 Emerald level points**.** The Reduction in Energy Consumption (11.701.1.1), Performance Path (§ 11.702)~~, the~~ or ERI Target Path (§ 11.704)~~, or the Alternative Emerald level compliance (§ 11.701.1.7)~~ shall be used to achieve the Emerald level.

CHANGE 3: Delete existing climate, precipitation, radon, and termite infestation maps (Figures 6(1), 6(2), 6(3), and 9(1)), and Appendix A (climate zones) and replace with direct references within the standard as shown below. Also, re-alphabetize all remaining Appendixes and references to them.

CLIMATE ZONE. For climate zones, refer to IECC Section C301 Climate Zones~~Climate zones are determined based on Figure 6(1)~~.

403.6 Landscape plan

(6) Synthetic Turf Council (STC) or equivalent industry association qualified artificial turf is installed in dry climate zones in accordance with IECC Table C301.1~~table A200~~, instead of natural turf for recreation, sport, or play fields.

(8) For landscaped vegetated areas, the maximum percentage of all artificial turf areas is (only applicable in Dry climate zones in accordance with IECC Table C301.1~~Table A200~~):

503.5 Landscape plan

(10) Where artificial or synthetic turf is installed in Dry climate zones in accordance with IECC Table C301.1~~Table A200~~, instead of natural turf for common recreation, sport, or play fields, Synthetic Turf Council (STC) or equivalent industry association qualified artificial turf is used.

(11) For landscaped vegetated areas, the maximum percentage of all artificial turf areas is (only applicable in Dry climate zones in accordance with IECC Table C301.1~~Table A200~~):

602.1.5 Termite barrier. Continuous physical foundation termite barrier provided:

(1) In geographic areas that have moderate to heavy infestation potential in accordance with IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~, a no or low toxicity treatment is also installed.

(2) In geographic areas that have a very heavy infestation potential in accordance with IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~~~Figure 6(3)~~, in addition a low toxicity bait and kill termite treatment plan is selected and implemented.

602.1.6 Termite-resistant materials. In areas of termite infestation probability as defined by IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~, termite-resistant materials are used as follows:

602.1.11 Exterior doors. Entries at exterior door assemblies, inclusive of side lights (if any), are covered by one of the following methods to protect the building from the effects of precipitation and solar radiation. Either a storm door or a projection factor of not less than 0.375 is provided. Eastern- and western-facing entries in Climate Zones 1, 2, and 3, ~~as determined~~ in accordance with IECC Section C301~~Figure 6(1) or Appendix A~~, have either a storm door or a projection factor of not less than 1.0, unless protected from direct solar radiation by other means (e.g., screen wall, vegetation).

602.1.13 Roof overhangs. Roof overhangs, in accordance with Table 602.1.13, are provided over not less than 90% of exterior wall area to protect the building envelope.

Table 602.1.13[AE]
Minimum Roof Overhang for One- & Two-Story Buildings

Inches of Rainfall [(a)]	Eave Overhang (In.)	Rake Overhang (In.)
≤40	12	12
>40 and ≤70	18	12
>70	24	12

(a) Annual mean total rainfall in inches~~is~~ based on NOAA U.S. Climate Normals 1991-2020, version 1.0.1 (2023)~~in accordance with Figure 6(2)~~.

902.3 Radon testing and mitigation**.** Radon Zones are identified by the AHJ or, where the zone is not identified by the AHJ, as defined by IRC Figure AF101.1~~in Figure 9(1)~~.

903.3 Relative humidity**.** In climate zones 1A, 2A, 3A, 4A, and 5A as defined by IECC Table C301.1~~Figure 6(1)~~, equipment is installed to maintain relative humidity (RH) at or below 60% using one of the following:

11.503.5 Landscape plan

(10) Where artificial or synthetic turf is installed in Dry climate zones in accordance with IECC Table C301.1~~Table A200~~, instead of natural turf for common recreation, sport or play fields, Synthetic Turf Council (STC) or equivalent industry association qualified artificial turf is used.

(11) For landscaped vegetated areas, the maximum percentage of all artificial turf areas is (only applicable in Dry climate zones in accordance with IECC Table C301.1~~Table A200~~):

11.602.1.5 Termite barrier. Continuous physical foundation termite barrier provided:

(1) In geographic areas that have moderate to heavy infestation potential in accordance with IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~, a no or low toxicity treatment is also installed.

(2) In geographic areas that have a very heavy infestation potential in accordance with IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~, in addition a low toxicity bait and kill termite treatment plan is selected and implemented.

11.602.1.6 Termite-resistant materials. In areas of termite infestation probability as defined by IRC Figure R318.4 or IBC Figure 2603.8, as applicable~~Figure 6(3)~~, termite-resistant materials are used as follows:

11.602.1.11 Exterior doors. Entries at exterior door assemblies, inclusive of side lights (if any), are covered by one of the following methods to protect the building from the effects of precipitation and solar radiation. Either a storm door or a projection factor of not less than 0.375 is provided. Eastern- and western-facing entries in Climate Zones 1, 2, and 3, ~~as determined~~ in accordance with IECC Section C301~~Figure 6(1) or Appendix A~~, have either a storm door or a projection factor of not less than 1.0, unless protected from direct solar radiation by other means (e.g., screen wall, vegetation).

11.602.1.13 Roof overhangs. Roof overhangs, in accordance with Table 11.602.1.13, are provided over not less than 90% of exterior wall area to protect the building envelope.

Table 11.602.1.13~~Æ~~

Minimum Roof Overhang for One- & Two-Story Buildings		
Inches of Rainfall [(a)]	**Eave Overhang (In.)**	**Rake Overhang (In.)**
≤40	12	12
>40 and ≤70	18	12
>70	24	12

(a) Annual mean total rainfall in inches ~~is~~ based on NOAA U.S. Climate Normals 1991-2020, version 1.0.1 (2023)~~in accordance with Figure 6(2)~~.

11.902.3 Radon testing and mitigation**.** Radon Zones are identified by the AHJ or, where the zone is not identified by the AHJ, as defined by IRC Figure AF101.1~~in Figure 9(1)~~.

11.903.3 Relative humidity**.** In climate zones 1A, 2A, 3A, 4A, and 5A as defined by IECC Table C301.1~~Figure 6(1)~~, equipment is installed to maintain relative humidity (RH) at or below 60% using one of the following:

1202.12 Exterior doors**.** Not less than one entry at an exterior door assembly, inclusive of side lights (if any), are covered by one of the following methods to protect the building from the effects of precipitation and solar radiation. Either a storm door or a projection factor of not less than 0.375 is provided. Eastern- and western-facing entries in Climate Zones 1, 2, and 3, as determined in accordance with IECC Section C301~~Figure 6(1) or Appendix A~~, have either a storm door or a projection factor of not less than 1.0, unless protected from direct solar radiation by other means (e.g., screen wall, vegetation).

CHANGE 4: 704.2 and 11.704.2 Fix the Points equation calculations, and the table names.

704.2 Point calculation**.** Points for § 704 shall be computed individually for each building as follows:

Points = 40 + (Applicable Energy Rating Index of the Reference Design from Table 704.2 - Energy Rating Index of the Rated Design) * 2

Table 704.2
Energy Rating Index of the ~~Rated~~ Reference Design

11.704.2 Point calculation**.** Points for § 11.704 shall be computed individually for each building as follows:

Points = 40 + (Applicable Energy Rating Index of the Reference Design from Table 11.704.2 - Energy Rating Index of the Rated Design) * 2

Table 11.704.2
Energy Rating Index of the Reference ~~Rated~~ Design

CHANGE 5: 11.701.1 Add § 11.701.1.1 as a Mandatory practice, unintentionally left out.

11.701.1 Mandatory requirements. The building shall comply with § 11.702 (Performance Path), § 11.703 (Prescriptive Path), § 11.704 (ERI Target Path), or one of the pathways in § 11.701.1.4 through § 11.701.1.8 (Alternative Paths).

Items listed as "mandatory" in § 11.701.4 shall apply to § 11.701.1.1, § 11.702, § 11.703, and § 11.704 paths. Except where § 11.705 requirements are met, buildings in Tropical Climate shall comply with IECC Climate Zone 1 requirements.

CHANGE 6: Chapter 12 – replace existing Tables 1203.10.1.1 and 1203.10.1.2 (currently aligned with 2018 IECC) with 2021 IECC Tables R402.1.3 and R402.1.2, respectively.

Table 1203.10.1.1
Insulation and Fenestration Requirements by Component[a]

CLIMATE ZONE	FENESTRATION *U*-FACTOR[b, i]	SKYLIGHT[b] *U*-FACTOR	GLAZED FENESTRATION SHGC[b, e]	CEILING *R*-VALUE	WOOD FRAME WALL *R*-VALUE[g]	MASS WALL *R*-VALUE[h]	FLOOR *R*-VALUE	BASEMENT[c] WALL *R*-VALUE	SLAB[d] *R*-VALUE & DEPTH	CRAWL SPACE[c, g] WALL *R*-VALUE
0	NR	0.75	0.25	30	13 or 0&10ci	3/4	13	0	0	0
1	NR	0.75	0.25	30	13 or 0&10ci	3/4	13	0	0	0
2	0.40	0.65	0.25	49	13 or 0&10ci	4/6	13	0	0	0
3	.30	0.55	0.25	49	20 or 13&5ci[h] or 0&15ci[h]	8/13	19	5ci or 13[f]	10ci, 2 ft	5ci or 13[f]
4 except Marine	.30	0.55	0.40	60	30 or 20&5ci[h] or 13&10ci[h] or 0&20ci[h]	8/13	19	10ci or 13	10ci, 4 ft	10ci or 13
5 and Marine 4	0.30[i]	0.55	0.40	60	30 or 20&5ci[h] or 13&10ci[h] or 0&20ci[h]	13/17	30	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci
6	0.30[i]	0.55	NR	60	30 or 20&5ci[h] or 13& 10ci[h] or 0&20ci[h]	15/20	30	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci
7 and 8	0.30[i]	0.55	NR	60	30 or 20&5ci[h] or 13&10ci[h] or 0&20ci[h]	19/21	38	15ci or 19 or 13&5ci	10ci, 4 ft	15ci or 19 or 13&5ci

For SI: 1 foot = 304.8 mm.
NR = Not Required.

ci = continuous insulation.

a. *R*-values are minimums. *U*-factors and SHGC are maximums. When insulation is installed in a cavity which is less than the label or design thickness of the insulation, the installed R-value of the insulation shall not be less than the R-value specified in the table.
b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

   Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

c. "5ci or 13" means R-5 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "10ci or 13" means R-10 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13&5ci" means R-15 continuous insulation (ci) on the interior or exterior surface of the wall; or R-19 cavity insulation on the interior side of the wall; or R-13 cavity insulation on the interior of the wall in addition to R-5 continuous insulation on the interior or exterior surface of the wall.
d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs. as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.
e. There are no SHGC requirements in the Marine Zone.
f. Basement wall insulation is not required in Warm-Humid locations as defined by IECC Figure R301.1 and Table R301.1.
g. The first value is cavity insulation; the second value is continuous insulation. Therefore, as an example, "13&5" means R-13 cavity insulation plus R-5 continuous insulation.
h. Mass walls shall be in accordance with IECC Section R402.2.5. The second R-value applies where more than half of the insulation is on the interior of the mass wall.
i. A maximum U-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:
   1. Above 4,000 feet in elevation, or
   2. In windborne debris regions where protection of openings is required by IECC Section R301.2.1.2 of the *International Residential Code*.

Table 1203.10.1.2[Æ]
Equivalent U-Factors[a]

CLIMATE ZONE	FENESTRATION *U*-FACTOR[f]	SKYLIGHT *U*-FACTOR	GLAZED FENESTRATION SHGC[d, e]	CEILING *U*-FACTOR	WOOD FRAME WALL *U*-FACTOR	MASS WALL *U*-FACTOR[b]	FLOOR *U*-FACTOR	BASEMENT WALL *U*-FACTOR	CRAWL SPACE WALL *U*-FACTOR
0	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
1	0.50	0.75	0.25	0.035	0.084	0.197	0.064	0.360	0.477
2	0.40	0.65	0.25	0.026	0.084	0.165	0.064	0.360	0.477
3	0.30	0.55	0.25	0.026	0.060	0.098	0.047	0.091[c]	0.136
4 except Marine	0.30	0.55	0.40	0.024	0.045	0.098	0.047	0.059	0.065
5 and Marine 4	0.30	0.55	0.40	0.024	0.045	0.082	0.033	0.050	0.055
6	0.30	0.55	NR	0.024	0.045	0.060	0.033	0.050	0.055
7 and 8	0.30	0.55	NR	0.024	0.045	0.057	0.028	0.050	0.055

For SI: 1 foot = 304.8 mm.

a. Nonfenestration *U*-factors shall be obtained from measurement, calculation or an approved source.

b. Mass walls shall be in accordance with IECC Section R402.2.5. Where more than half the insulation is on the interior, the mass wall *U*-factors shall not exceed 0.17 in Climate Zones 0 and 1, 0.14 in Climate Zone 2, 0.12 in Climate Zone 3, 0.087 in Climate Zone 4 except Marine, 0.065 in Climate Zone 5 and Marine 4, and 0.057 in Climate Zones 6 through 8.

c. In Warm Humid locations as defined by IECC Figure R301.1 and Table R301.1, the basement wall *U*-factor shall not exceed 0.360.

d. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30

e. There are no SHGC requirements in the Marine Zone.

f. A maximum *U*-factor of 0.32 shall apply in Marine Climate Zone 4 and Climate Zones 5 through 8 to vertical fenestration products installed in buildings located either:

1. Above 4,000 feet in elevation, or
2. In windborne debris regions where protection of openings is required by IECC Section R301.2.1.2 of the *International Residential Code*.

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

NSF/ANSI/CAN Standard
for Drinking Water Additives –

Drinking Water Treatment Chemicals – Health Effects

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Informative Annex 4

Rationale for review and assessment procedures of the standard

The information contained in this disclaimer is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this disclaimer may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.

Introduction

This annex provides an overview of the scientific processes used to evaluate the health and safety of products used in drinking water applications. The processes in this standard (Standard 60) and its companion standard NSF/ANSI/CAN 600: Health Effects Evaluation and Criteria for Chemicals in Drinking Water (Standard 600) provide a framework enabling international requirements for minimizing the addition of unintended additives to drinking water and associated potential health risks. Combined with independent certifications and regular monitoring of products, this framework ensures that products are regularly evaluated and held to updated health effects criteria as additional toxicological data becomes available.

This document focuses on the processes used to estimate potential at-the-tap concentrations of contaminants associated with product use. It also describes how the acceptability of these contaminants, or lack thereof, is determined through comparison to drinking water criteria. Additional detail on procedures for developing these criteria is contained within in Standard 600.

Elements of a risk assessment process

Characterization of the health effects risks of products used in drinking water applications consists of the following elements:

a) identification of chemicals contributed to potable water by the product being evaluated;

b) estimation of the human exposure to the substance through drinking water;

c) evaluation of potential health effects concerns presented by this exposure; and

d) estimation of the acceptable risk associated with the use of the product in drinking water.

The risk assessment areas involved in making this characterization are:

a) chemical identification;

b) dose;

c) dose-response relationship, toxicity, risk estimation; and

d) risk management.

The following sections describe how each of these elements are accomplished through the procedures in Standard 60 and Standard 600.

Estimation of human exposure

Standard 60 is designed to provide information on exposure. Section 3 establishes formulation information requirements used to determine formulation dependent contaminant risk(s). Sections 4 - 8 include minimum required analytical methods by chemical type. Together, these requirements establish an analytical test battery for each product evaluated under the Standard. Annex N-1 includes the laboratory sample preparation and analytical methods for identifying contaminant(s) extracted into water. Sections 4 - 8 describe the mechanisms for adjusting laboratory results to estimate contaminant concentrations “at-the-tap” that are designed to represent human exposure.

It is important to note that each additive product can contribute one or more contaminants to water. The testing protocols described in Annex N-1, along with a review of the product formulation, are intended to identify contaminants contributed to drinking water as a result of additive use. Contaminants appearing in the water may originate as ingredients, impurities of ingredients, or as unique chemical species formed during the manufacture and/or use of the product. Contaminants are identified through product formulation reviews and analytical testing. The normalized contaminant concentration “at-the-tap” is the metric for human exposure used to determine acceptability.

Risk Characterization

Standard 600 provides both the procedures for establishing human health effect criteria in drinking water and a list of previously established criteria. Section 3 provides mechanisms for adopting regulated health effects limits from national, state, or international regulatory bodies, such as the U.S. EPA and Health Canada. Section 3 contains procedures for evaluating the toxicological effects of contaminants on organisms and extrapolating these to the risk of adverse health effects in humans. Additionally, Standard 600 sets limits for permissible risk levels for those

adverse health effects. Pre-existing published risk assessments may also be assessed against these requirements for adoption into Standard 600.

Those permissible risk levels may be based on a point of departure (no observed adverse effect level, NOAEL; lowest observed adverse effect level, LOAEL; or a lower bound benchmark dose) from a systemic toxicity study for non-cancer effects or an oral slope factor for mutagenic carcinogens derived from linear extrapolation of a benchmark dose and with an application of lifetime adjustment factor, as appropriate. At-risk, or sensitive, subpopulations such as infants, children, pregnant women, elderly, etc. are also considered. Lastly, the permissible risk level is adjusted by uncertainty factors based on the completeness of the toxicological data, as described in Section 3.6.

Permissible risk levels are translated into a contaminant limit in drinking water expressed at X milligrams of contaminant per liter of drinking water (mg/L). Both the permissible risk level and the daily drinking water consumption of the population at risk are used to derive the contaminant limit. The contaminant limit (mg/L) is the criteria used to determine acceptability.

Section 4 includes a table of normative drinking water criteria. The health effects criteria listed therein were adopted from regulatory limits, published risk assessments, or developed using the procedures in Section 3. The normative drinking water criteria list is subject to constant change as new regulations limit contaminants, new risk assessments are completed, and new toxicological data for existing risk assessments is evaluated.

Determination of acceptability

Normalized contaminant concentration(s) identified during the formulation review or from analytical testing are compared against the contaminant criteria. Regarding the formulation review, identified contaminants are summed prior to criteria comparison. The normalized contaminant concentration(s) is acceptable if they meet, or are below, the SPAC contaminant limit listed in Standard 600, Section 4.

Standard 600 contains the Total Allowable Criteria (TAC) and the Single Product Allowable Criteria (SPAC). The TAC is equivalent to the US EPA Maximum Contaminant Level (MCL) or Health Canada Maximum Allowable Concentration (MAC), but Standard 60 directs use of SPAC criteria. Standard 60 uses the more conservative SPAC criteria because contaminants may be contributed multiple times from the multiple treatment chemical products added to drinking water.

Overview of the standard maintenance process

Standard 60 and Standard 600 are maintained by a balanced consensus body composed of stakeholders representing regulators, manufacturers, and users. This body, the Drinking Water Additives Joint Committee, meets annually to discuss changes and topics related to the standard. Additionally, task groups composed of Joint Committee voting members and non-members meet on an ongoing basis to draft proposed language for incorporation into the standard. Standard 60 and Standard 600 are under continuous maintenance and open to review and revision at any point in the calendar year.

Proposed changes are voted upon by the Joint Committee. Changes approved by the Joint Committee are subsequently reviewed by the Public Health Council (PHC) and are published online for public comment. The PHC is composed of public health officials that provide guidance to NSF in the planning, design and implementation of programs to protect public health and the

environment, and improve quality of life. The Council also reviews ballots and all standard actions developed by joint committees before final adoption as American National Standards. Once a proposed change has been approved by the Joint Committee, PHC, and public comments are addressed, then the change is approved for publication in the next edition of the standard. New editions of the standards are typically published on an annual cycle.

Risk characterizations and contaminant limits documented in Standard 600 are further overseen by the Health Advisory Body (HAB) and the Joint Peer Review Steering Committee (JPRSC). The HAB is a voluntary and independent panel of experts in multiple subdisciplines of toxicology that provides guidance and peer review on all changes to the Standard 600 risk characterization process. The HAB also provides peer review on all quantitative chemical risk assessments submitted for incorporation into Standard 600. The JPRSC is a committee of toxicologists representing certification bodies that reviews qualitative risk assessments completed per the requirements of Standard 600.

DRAFT PDS-02

ICC/RESNET 1450-202x Remote Virtual Inspections

CHAPTER 1
APPLICATION AND ADMINISTRATION

SECTION 101
GENERAL

101.2 Scope. This standard is applicable to all one- and two-family dwellings; to *residential buildings, building* sites and associated systems and equipment subject to the Residential provisions of the International Energy Conservation Code; and to *dwelling units* and *sleeping units* in Residential or Commercial Buildings, except hotels and motels as described in ANSI/RESNET/ICC 301-2022. ~~and to dwelling units in residential buildings three stories or less in height above grade plane.~~

CHAPTER 2
DEFINITIONS

SECTION 202
DEFINITIONS

DWELLING UNIT. A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

IN-FIELD REPRESENTATIVE. An individual or entity engaged by the owner or the owner's authorized agent to coordinate aspects of the inspection, as determined by the authority having jurisdiction.

INSPECTION AGENCY. An established and recognized agency that is regularly engaged in conducting tests and furnishing inspection services where such agency has been approved by the authority having jurisdiction.

INSPECTION DEVICE. A device such as a smartphone, tablet or drone utilized to perform remote inspection. [1]

RESIDENTIAL BUILDING. As applicable in the *International Energy Conservation Code*, includes detached one- and two-family dwellings and townhouses as well as Group R-2, R-3 and R-4 buildings three stories or less in height above *grade plane*.

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[1] (Informative Note) In the U.S., Drones (Unmanned Aircraft Systems) are regulated by the Department of Transportation, Federal Aviation Administration (FAA). For jurisdictions in the United States, check with the FAA on the latest regulations for the operation of small, unmanned aircraft systems. *For jurisdictions outside the United States, check with governmental agencies that regulate the use of drones within the jurisdiction.*

SLEEPING UNIT. A single unit that provides rooms or spaces for one or more persons, includes permanent provisions for sleeping and can include provisions for living, eating and either sanitation or kitchen facilities but not both. Such rooms and spaces that are also part of a *dwelling unit* are not sleeping units.

CHAPTER 4
SPECIFIC PROCEDURES FOR REMOTE VIRTUAL INSPECTIONS

SECTION 401
REMOTE VIRTUAL INSPECTIONS FOR ENERGY EFFICIENCY CODE COMPLIANCE

401.1 ~~Optional items~~. *Remote virtual inspection*s for energy code compliance ~~shall~~ includes one or more of the following:

1. Reinspection to verify correction of in-field-identified violations, where appropriate.
2. Visual inspection of air barrier, air sealing and insulation installation and associated components identified within the *International Energy Conservation Code* or *International Residential Code*.
3. Visual inspection of components identified to confirm the building thermal envelope complies with claimed R-values and manufacturer's installation requirements as submitted in the approved design.
4. Visual confirmation of fenestration U-factor, solar heat gain coefficient, visible transmittance and air leakage requirements.
5. Visual confirmation of HVAC and service water heating systems including equipment efficiency ratings, duct and pipe insulation values, duct system and pipe locations, duct system sealing and controls.
6. Visual confirmation of lighting equipment and controls.
7. Visual inspection of any required certificate(s) as specified in the *International Energy Conservation Code* or *International Residential Code*.

SECTION 402
REMOTE VIRTUAL INSPECTIONS FOR WATER USE EFFICIENCY AND PERFORMANCE STANDARD COMPLIANCE

402.1 ~~Optional items.~~ *Remote virtual inspection*s for water use efficiency compliance ~~may~~ includes one or more of the following:

1. Reinspection to verify correction of in-field identified violations.
2. Visual inspection of components identified as specified in the approved design.
3. Visual confirmation of water fixtures, appliances, water distribution systems and associated flow rates as approved in the design documents.
4. Visual confirmation of outdoor water systems as specified in the approved design.
5. Visual confirmation of service water pressure testing and/or documentation.
6. At the *inspector*'s discretion, the *in-field representative* may perform fixture flow rate

testing.

7. At the *inspector*'s discretion, the *in-field representative* may perform service water pressure testing.

BSR/UL 96, Standard for Safety for Lightning Protection Components

2. Addition of Canadian Electrical Code Qualifier to Scope

PROPOSAL

1 Scope

1.1 This standard applies to lightning protection components for use in the installation of complete systems of lightning protection on buildings and structures ~~in accordance with the requirements of the Canadian Electrical Code, CSA C22.1~~.

1.1A Lightning protection components are intended for use and installation in accordance with the requirements of the Canadian Electrical Code, CSA C22.1, and the National Electrical Code, NFPA 70.

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3. Clarifying Air Terminal Dimensional Tolerances

PROPOSAL

Table 7.1
~~Minimum~~ Nominal air terminal dimensions

Material	Construction	Diameter[a] mm	Diameter[a] (in)	Base end thread diameter[b] mm	Base end thread diameter[b] (in)	Wall thickness mm	Wall thickness (in)	Cross-Sectional area[a] mm^2	Cross-Sectional area[a] (in^2)
Copper and copper alloy	Solid	9.5	(3/8)	9.5	(3/8)	–		71	(0.110)
	Tubular	15.9	(5/8)	12.7	(1/2)	0.81	(0.032)		–
Aluminum	Solid	12.7	(1/2)	12.7	(1/2)	–		126	(0.196)
	Tubular	15.9	(5/8)	12.7	(1/2)	1.63	(0.064)		–

[a] The ~~minimum~~ nominal diameter and minimum cross-sectional area are to be determined by measurements taken at various points along the axis of the air terminal for a distance not to exceed 50 percent of the total length of the air terminal measured from the threaded or base end and exclusive of the threaded portion or adapter of a tubular air terminal.

[b] A tolerance of -4% is permitted for solid and tubular air terminal base end thread diameters to accommodate Unified National Coarse (UNC) thread for that size rod".

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4. Connector Fitting Projection Requirements

PROPOSAL

11.4 The fitting shall be provided with at least two 3.2 mm (1/8 in) high projections on an interior surface that embed in the conductor when the connector is compressed around the stranded conductor.

11.4A Connector fittings that are not required to be provided with at least two 3.2 mm (1/8 in) high projections on an interior surface are:

a) Connector fittings that comply with the Standard for Qualifying Permanent Connections Used in Substation Grounding, IEEE Std. 837. The applicable tests of IEEE Std. 837 shall be conducted with commercially available lightning protection conductors, or

b) Connector fittings for use solely with solid or flat solid conductors that comply with Section 29, the Security of Components Test, or

c) Connector fittings ~~of a unique construction~~ that will secure flat solid conductors.

30.2 Installation Instructions shall be provided for lightning protection component connector fittings that are for use solely with solid or flat solid conductors that employ the use of a symbol to communicate their usage only with solid or flat solid conductors. The installation instructions may be provided with the connector fittings or on the manufacturer's website.

31.4 Connector fittings for use solely with solid or flat solid conductors shall be marked "For Use with Solid Conductor Only", Solid Conductor Use Only", Solid Only", "Flat Solid Conductor Only", " Not for USE With Stranded Conductor", "Solid" or equivalent on the connector. When adequate space is not available on a connector fitting to provide a legible marking a symbol, that is identified and defined in the installation instructions or on the manufacturers website, may be used that will indicate the limitations of the connector fitting as for being for use solely with solid or flat solid conductors.

Note: The use of a symbol as permitted by 31.4 shall permit the use of a symbol selected by the manufacturer and agreed upon by all parties.

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5. Air Terminal Mounting Means

PROPOSAL

7 Air Terminals

7.3 Each air terminal shall be provided with:

a) An integral base support, or

b) Not less than five full threads for attachment to the base support, or

c) A means for mechanical securement to ~~permitted~~ surfaces as specified by the manufacturer e.g.: structural steel framework, round handrails/tubing or wooden poles.

20 Air Terminals

20.4 Each air terminal shall be provided with:

a) An integral base support, or

b) Not less than five full threads for attachment to the base support, or

c) A means for mechanical securement to ~~permitted~~ surfaces as specified by the manufacturer e.g.: structural steel framework, round handrails/tubing or wooden poles.

24 Air Terminals

24.3 Each air terminal shall be provided with:

a) An integral base support, or

b) Not less than five full threads for attachment to the base support, or

c) A means for mechanical securement to ~~permitted~~ surfaces as specified by the manufacturer e.g.: structural steel framework, round handrails/tubing or wooden poles.

30.2 Air terminals provided with a mechanical means for securement shall be provided with installation instructions that identify the mounting surface suitable for the mechanical means of securement provided with the air terminal, the manufacturer's recommended installation method and required installation hardware e.g. bolts, washers, nuts, locknuts, lag bolts etc.

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6. Solid Metal Parts

PROPOSAL

5.8 Solid Metal Construction - The machining of a tubing, pipe, solid, etc. piece of ~~metal~~ copper, copper alloy, aluminum or stainless-steel metal to create a lightning component, e.g an air terminal base support or connector fitting.

6.1 Class I components shall be made of copper, copper alloy, aluminum or aluminum alloy with hardware made from stainless steel, unless otherwise required in this Standard, as outlined below:

a) Copper conductors and air terminals shall be made from electrical grade copper, C11000, generally designated as being 95% conductivity when annealed.

b) Aluminum conductors shall be made of electrical grade aluminum, with a minimum chemical composition of 99% aluminum.

c) Aluminum air terminals, stampings, ~~solid~~ raw metal parts, and couplings, shall be made with an alloy having a minimum chemical composition of 90% aluminum.

d) Stainless Steel hardware, such as nuts, bolts, washers, screws, threaded rods, and fasteners shall be of minimum 18-8 grade (Chromium & Nickel content) with acceptable alloys being 302, 303, 304, and 316.

e) All copper alloys other than brass shall have a minimum copper content of 80%.

f) Aluminum alloys suitable for use in castings shall have a minimum aluminum content of 85%.

g) Brass alloys suitable for use in couplings, connectors, bases and fittings shall have a minimum copper content of 60%.

8.1 The thickness of an air terminal base support shall not be less than the applicable value specified in Table 8.1.

Table 8.1
Thickness of air terminal base supports

Material	Construction	Minimum thickness	
		mm	(in)
Copper or copper alloy	Cast	2.4	(3/32)
	Stamped	1.55	(0.061)
	~~Solid metal~~ Machined raw metal stock	1.55	(0.061)
Aluminum	Cast	2.4	(3/32)
	Stamped	2.46	(0.097)
	~~Solid metal~~ Machined raw metal stock	2.46	(0.097)
Note: ~~Solid~~ Raw metal stock construction is considered to be when an air terminal base support created by machining a tubing, pipe, solid, etc. piece of copper, copper alloy or aluminum metal.			

11.2 A connector fitting shall be:

a) ~~Solid~~ Raw metal,

b) Cast, or

c) Stamped from sheet stock.

Exception: A connector fitting that complies with the Standard for Qualifying Permanent Connections Used in Substation Grounding, IEEE Std. 837, is not required to comply with these requirements. The applicable tests of IEEE Std. 837 shall be conducted with commercially available lightning protection conductors.

11.2A A connector fitting shall comply with the dimensional requirements in Table 11.

Table 11.1
Minimum dimensions of connector fittings

Material	Construction	Thickness mm	Thickness (in)	Number of full threads	Bolt size
Copper or copper alloy	Cast	2.4	(3/32)	4	1/4 in-20
	Stamped	1.55	(0.061)	–	
	~~Solid metal~~ Machined raw metal stock	1.55	(0.061)	–	
Aluminum	Cast	2.4	(3/32)	4	1/4 in-20
	Stamped	2.46	(0.097)	–	
	~~Solid metal~~ Machined raw metal stock	2.46	(0.097)	–	

Note: ~~Solid~~ Raw metal stock construction is considered to be when a connector fitting is created by machining a tubing, pipe, solid, etc. piece of copper, copper alloy or aluminum metal.

16.1 Clips for securing copper conductors shall be ~~solid~~ copper (tubing, pipe, solid, etc.)/copper alloy, cast copper/copper alloy or made from sheet copper with a minimum thickness of 0.81 mm (0.032 in) and a minimum width of 9.5 mm (3/8 in).

16.2 Aluminum clips for securing aluminum conductors shall be of ~~solid~~ aluminum (tubing, pipe, solid, etc.), cast aluminum or made from sheet aluminum with a minimum thickness of 1.3 mm (0.051 in) thick and a minimum thickness of 12.7 mm (1/2 in) wide.

BSR/UL 746A, Standard for Safety for Polymeric Materials – Short Term Property Evaluations

1. Deletion of the term "Chemically Recycled Plastics" provided in Paragraph 4.1A; Deletion of Sub-section 9.10, titled "Chemically Recycled Plastics;" Deletion of Information on Monomers in Base Polymer/Resin from Table 9.1

PROPOSAL

~~4.1A CHEMICALLY RECYCLED PLASTICS – The process in which traditional polymerization starting ingredients (e.g., fossil-based "pre-cracker" hydrocarbons or polymerization monomers) are sourced from compounds derived from the chemical or thermal decomposition of plastics (reconstituted).~~

~~NOTE: For the purpose of this Standard, starting ingredients sourced from plant based matter or other non-traditional inputs for the polymerization of plastics can be identified as chemically recycled.~~ *Deleted*

Note from the TC Project Manager: The version of Table 9.1 shown in this proposal does not represent the complete table. This version of Table 9.1 only includes the requirements in the table that are proposed to be revised as part of this proposal.

Table 9.1
Test considerations based upon compound variations

Additive / Variation	Addition		Deletion		Replacement[5]		Change in Level[6]		
	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	Table 9.2	(absolute %)	(normalized %)	Table 9.2
~~Monomers in Base Polymer/Resin~~	~~Replacement of polymerization monomer(s) with chemically recycled monomer(s) in part or whole, that is chemically identical to the original monomer(s), no testing is required.~~ ~~Replacement of the polymerization monomer(s) with chemically recycled monomer(s) in part or whole, that is not chemically identical to the original monomer(s), where the final compound:~~ ~~- a) Does not meet the criteria as determined in Appendix A, Appendix B and Appendix C. See CD2E, or~~ ~~- b) Does meet the criteria as determined in Appendix A, Appendix B and Appendix C, no further testing is required.~~								
Metallic Pigment[10]	≤5	A7E	Any	A7E	Any	A7	≤5	–	A7E9
	>5	AD1E					>5	–	AD1E9

~~**9.10 Chemically recycled plastics**~~

~~9.10.1 Initial plastics evaluations utilizing polymerization monomer(s) in part or whole derived from chemical recycling shall be evaluated analogous to virgin materials.~~ *Deleted*

BSR/UL 746S, Standard for Safety for Evaluation of Sustainable Polymeric Materials for use in Electrical Equipment

1. Addition of Glossary Terms to Section 4; Addition of New Section 6A titled "Biobased and Chemically Recycled Materials" and Table 6A.1

PROPOSAL

4.1B BIOBASED – Derived from biomass.

4.1C CHEMICAL RECYCLING - Please see Feedstock Recycling, 4.1E.

4.1D FEEDSTOCK – Raw materials that are used to create monomer or polymer.

4.1E FEEDSTOCK RECYCLING – Manufacturing processes that convert waste materials into a feedstock by changing the chemical structure of waste materials to be used in the production of new polymers, monomers, intermediates, or other materials.

Note 1 to entry: Processes may include but are such as but not limited to pyrolysis, gasification, depolymerization, solvolysis, catalysis, reforming, purification, hydrogenation, dissolution, dehydrochlorination, and other similar existing or newly developed technologies or processes.

4.3A MONOMER – Chemical compound, usually of low molecular mass, that can be converted into a polymer by combining it with itself or with other chemical compounds.

NOTE: Please refer to Textiles – Environmental aspects – Vocabulary, ISO 5157, for additional definitions on waste, depolymerization, gasification, and other properties or conditions.

EVAUATION OF BIOBASED AND CHEMICALLY RECYCLED MATERIALS

6A Biobased and Chemically Recycled Materials

6A.1 Table 6A.1 shall be used to determine which requirements are needed to be met for chemically recycled and biobased materials.

Table 6A.1

Requirements for Evaluating Biobased and Chemically Recycled Materials

Category	Requirements
Polymer made from replacing traditional Monomer(s) or Feedstock (same or chemically identical) with those from a Chemical Recycling process and/or Biobased Source	No testing is required. This also applies to a polymer blend/alloy of more than one polymer in the final compound.
New and/or modified polymer made from Monomer(s) or Feedstock from a Chemical Recycling process and/or Biobased Source	Evaluate as a new or modified polymer

Additive from Chemically Recycled and/or Biobased Source-replacement in polymer formulation if same or chemically identical	No testing is required
Additive from Chemically Recycled and/or Biobased Source- change in amount in polymer formulation	Follow requirements outlined in Table 9.1 of UL 746A based on the additive classification, not the source of the additive (e.g. fossil or biobased)

2. Clarification of Requirements for the Evaluation of Mechanically Recycled Plastics With Consistent Identification and Without Consistent Identification Provided in Sub-section 6.2 and Sub-section 6.3 Respectively

PROPOSAL

6.2 Mechanically recycled plastics with consistent identification

6.2.3 Results of tests for the three production batches are expected to meet the following requirements:

a) The identification tests per UL 746A are to be comparable between production batches.

b) ~~The same flammability rating~~ A minimum flammability rating as defined by the manufacturer is to be maintained for all tested production batches in the mechanically recycled plastic base color or if base color is not part of the evaluation, a commonly produced color that is part of the evaluation can be considered for complete series of UL 94 flammability and UL 746A identification tests, on three production batches.

c) For additional colors, only one production batch is required for flammability testing in compliance with requirements from test specimens for the:

1) Horizontal Burning Test;

2) 50W (20 mm) Vertical Burning Test; V-0, V-1, or V-2; and

3) 500 W (125 mm) Vertical Burning Test; 5VA or 5VB

of UL 94, as applicable, and the rating of this ~~one~~ production batch shall be the same as the ~~rating of the recycled plastic color that was evaluated for three production batches~~ minimum flammability rating as defined by the manufacturer.

6.3 Mechanically recycled plastics without consistent identification

6.3.3 Results of tests for the five production batches are expected to meet the following requirements:

a) The same flammability rating shall be maintained for all tested production batches in the mechanically recycled plastic base color or if base color is not part of the evaluation, a commonly produced color that is part of the evaluation can be considered for complete series of UL 94 flammability tests on five production batches.

b) For additional colors, only one production batch is required for flammability testing in compliance with requirements from test specimens for the:

1) Horizontal Burning Test;

2) 50W (20 mm) Vertical Burning Test; V-0, V-1, or V-2; and

3) 500 W (125 mm) Vertical Burning Test; 5VA or 5VB

of UL 94, as applicable, and the rating of this one batch shall be the same as the rating of the

recycled plastic color that was evaluated for five production batches;

c) A minimum impact strength value, as defined by the manufacturer ~~or applicable end-product standard,~~ is to be met by all tested production batches;

d) The tensile strength values are to be ±15 percent from the mean of all the tested production batches;

e) The heat deflection temperatures or Vicat Temperature (VT) or Ball Pressure Temp (BPT) (thermoplastics only as per Method B – Material performance test method, of IEC 60695-10-2) are to be ±10 percent the mean of all the tested production batches;

f) The dielectric strength values are to meet a minimum of 5 kV/mm (127 kV/inch) for all tested production batches; and

g) The manufacturer can choose to test either the hot wire ignition (HWI) or the glow wire ignition temperature (GWIT) to evaluate the recycled plastic's response to ignition as a result of the application of a hot wire. The test results for either test in the five production batches are to meet the minimum values as defined by the manufacturer ~~or by the applicable end-product standard~~.

Exception No. 1: For UL 94 flame classifications, if the samples within production batches and/or between production batches shows similar flame behavior but with different ratings, then an inferior flame rating as appropriate based on five production batch testing shall be assigned to the base material provided the following criteria are met:

a) *PLC ratings for the High Current Arc Ignition (HAI) test shall be the same or the test results shall be ±15 percent between all the tested production batches and*

b) *PLC ratings for the Comparative Tracking Index (CTI) test shall be the same or the test results shall be ±15 percent between all the tested production batches.*

Exception No. 2: For additional colors, if the flame rating obtained when tested in accordance with (b) is different than the base color, than an inferior flame rating as appropriate shall be assigned to the material provided the additional color(s) on one production batch comply with the criteria mentioned in this paragraph for properties other than flammability. The results obtained shall be comparable to the results of the base color.

Exception No. 3: For elastomeric materials (e.g. TPE),

a) *Heat deflection temperature (HDT);*

b) *Vicat Softening Temperature (VST); or*

c) *Ball Pressure Test (BPT) IEC 60695-10-2, Method B mentioned in (e)*

are not applicable.

Exception No. 4: If the material:

a) *Has a thickness less than 0.25 mm (0.01 inch);*

b) *Is a vulcanized rubber; or*

c) *Is a thermoplastic elastomer,*

impact testing mentioned in (c) is waived and, alternatively, tensile elongation at break shall be performed. A minimum tensile elongation at break value, as defined by the manufacturer is to be met by all tested production batches.

Exception No. 5: For materials that are conductive in nature, the Dielectric Strength (DS) test mentioned in (f) is not applicable. Instead, the DC resistance or conductance test mentioned in D-C Resistance or

Conductance of Moderately Conductive Materials, Section 22A of UL 746A, shall be used. A minimum DC resistance or conductance value, as defined by the manufacturer is to be met by all tested production batches.

3. Addition of Requirements for Polymer Variation Consideration in Recycle Materials in a New Section 6A (titled "Polymer Variations") and a new Table 6A.1

PROPOSAL

6A Polymer Variations

6A.1 Incoming Recycle stream (recovered material) is optionally combined with virgin resin and/or other additives to form a production batch. Sub-sections 6A.2 and 6A.3 specifies the properties that shall be considered leading indicators when evaluating addition, deletion, replacement and change in level of fillers, reinforcements and/or additives in a production batch.

6A.2 Mechanical recycle materials with consistent identification

6A.2.1 Polymer variation requirements captured in Tables 9.1 and 9.2 of UL 746A are applicable to this class of materials analogous to the virgin materials.

6A.3 Mechanical recycle materials without consistent identification

6A.3.1 Polymer variation requirements provided in Table 9.1 of UL 746A are applicable to this class of materials. The test program shall be based on Table 6A.1.

6A.3.2 Required guidelines for polymer variation acceptance criteria are provided in 9.9.2 – 9.9.7 of UL 746A.

6A.3.3 The data obtained shall be comparable to the reference established for the original formulation to maintain the same designation. If the data are not comparable to the original reference, a new grade designation shall be used based on five production batch testing as specified in 6.3.

Table 6A.1
Mechanical Recycle Materials Without Consistent Identification: Test Programs Based Upon Compound Variations

Program code as specified in Table 9.1 of UL 746A	Test Program
O	No testing necessary.
A	UL 94: Flame test on base color and on any additional colors one production batch each (Flame, minimum thickness at all flame ratings assigned to the original material formulation). *Exception: HB flammability testing of polymer variations is not required if the burning rate of each previously tested thickness of the original formulation does not exceed 80 percent of the HB burning rate limits indicated in UL 94.* UL 746A: Tensile Strength (TS) or Flexural Strength (FS) on one production batch in base color. UL 746A: Tensile Impact (TI) or Izod Impact (II) or Charpy Impact (CI) on one production batch in base color.

	UL 746A: Heat Deflection Temp. (HDT) or Vicat Temp. (VT) or Ball Pressure Temp. (BP) (thermoplastics only as specified in IEC 60695-10-2 Method B) on one production batch in base color. UL 746A: Hot Wire Ignition (HWI) or Glow-Wire Ignition Temperature (GWIT) on one production batch in base color. UL 746A: Dielectric Strength (DS) on one production batch in base color.
B	Program code A on three production batches. *Exception: UL 94 flame test only on one production batch for additional colors*. UL 746A: Comparative Tracking Index (CTI) on one production batch.
C	Program code B UL 746A: High Current Arc Ignition (HAI) on one production batch.
D1, D2, D4	UL 746B: Long Term Thermal Aging (Only for materials with elevated RTI values based on LTTA testing) on one production batch.
E	UL 746C: Suitability for Outdoor Use (Only for materials that were previously subjected to the UV or Water immersion program) on one production batch.
F	Program Code C
	UL 746A: Volume resistivity on one production batch. UL 746A: Dimensional stability from Table 6.1 of UL 746C on one production batch.
M	Program code A

BSR/UL 979, Standard for Safety for Water Treatment Appliances

Topic 1. Additional Requirements for Water Treatment Systems that Include Ozone Generation and a Water Faucet

PROPOSAL

50.9 Ozone Offgas Test For systems that include Ozone generation and a water faucet

50.9.1 A system that include Ozone generation and a water faucet shall be subjected to ozone offgas test as specified in 50.9.2 – 50.9.12.

50.9.2 The ozone offgas test is to be conducted in a smoke-free, draft-free, non-ventilated, relatively airtight insulated room which is maintained at 50 ± 5 percent relative humidity while at 20 – 30°C (68 – 86°F) for 30 minutes prior to the start of the test. The test room is to be approximately 1000 cubic feet (approximately 8 by 10 by 12 feet) with all interior surfaces covered with a material that does not react with ozone. The door to the test room is to be sealed during the test.

50.9.3 The device to be tested is to be located in the approximate center of the test room and connect to unheated tap water or the system recommended by the manufacturer. A fresh water sample is to be used for each test.

50.9.4 Ozone test probes are to be located as indicated in Section 50.10.

50.9.5 Ozone offgas is to be measured using an ozone monitor that takes at least 1 measurement every 10 – 15 seconds with a minimum range of 0.03 – 5.0 parts ozone per million parts air (PPM) increments with an accuracy within ±5 percent. All test equipment is to be located outside the test room. All plumbing is to maintain the airtight integrity of the test room. Prior to each test, the ozone monitor is to be purged and calibrated according to the monitor manufacturer's instructions.

50.9.6 Ozone measurements are to be taken 5 minutes before the test (Ambient Reference Level) and then continuously for 60 minutes minimum (Operating Level) and continued until 5 minutes after the test (Post Test Level). During the test, the device (i.e. faucet) and the ozone generator are to be operated to maximize ozone offgas.

50.9.7 Ozone measurements made during the test specified in 50.9.6 shall not exceed the limits specified in 50.9.9 and 50.9.10.

50.9.8 Ozone measurements made during the 5 minutes after the test (Post Test Level) shall not exceed the transitory offgas limits specified in 50.9.10.

50.9.9 The Operating Level of ozone shall not be greater than the Ambient Reference Level plus 0.09 parts ozone per million parts air (PPM) averaged over 60 minutes time-weighted averaging (TWA).

50.9.10 The maximum transitory ozone concentration shall not exceed 0.25 PPM 1 minute time-weighted averaging (TWA).

50.9.11 Faucets shall be installed over stainless steel single basin sink having depth of 10 inches maximum, and volume of 3000 cubic inch maximum. During the test, water shall be directed to side of the drain to ensure smooth flow of water and reduce splashing.

50.9.12 During the test, water shall be running through the faucet and ozone generated for the maximum duration as the product design allows, taking into account inherent duty cycles or timing.

50.10 Peak ozone emission point determination on faucet

50.10.1 Prior to testing as described in 50.9, the location of the peak ozone emission (i.e., worst case ozone concentration point) of the test specimen shall be determined in accordance with 50.10.2.

50.10.2 To determine the location of the peak ozone emission, the test specimen shall be operated for 10 consecutive minutes and the ozone concentration shall be measured at Points 1 and 2 in Figure 50.1, as follows:

a) The measurement at Point 1 shall be taken 2 in (50 mm) from the inner edge of the sink, outside of the sink edge, even with faucet base.

b) Point 2 shall be directly above Point 1 and at a height even with the faucet outlet.

50.10.3 The measurements may be conducted all at once, in multiple stages, or individually, when only one location can be measured at a time.

Figure 50.1