ANSI STANDARDS ACTION

PUBLISHED WEEKLY BY THE AMERICAN NATIONAL STANDARDS INSTITUTE 25 W43RD STREET NY, NY 10036

VOL. 54, NO. 25 JUNE 23, 2023

CONTENTS

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.

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

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

New Standard

BSR/AHRI Standard 601 (SI)-202x, Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment (new standard)
Stakeholders: Groups and individuals known to be, or who have indicated that they are, directly and materially affected by the standard, including manufacturers, testers, regulators and trade or professional organizations.

Project Need: Develop new test and rating standards for commercial and residential water/brine to air heat pumps.

Interest Categories: Component Manufacturer, Consumer/User, General Interest, Product Manufacturer, Testing Laboratory, Regulatory Agency

Scope of the standard includes IEER calculation, blower minimum external static pressure, heat pump setup, test procedure and test provisions, and testing provisions regarding specific components. Out of scope: heat pumps covered by AHRI Standard 340/360; heat pumps covered by AHRI Standard 1230; heat pumps covered by AHRI Standard 551/591.

AWS (American Welding Society)

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

Revision

BSR/AWS D15.2/D15.2M-202x, Specification for Joining Railroad Rail and Related Rail Components (revision of ANSI/AWS D15.2/D15.2M-2022)
Stakeholders: Railroad industry, users, suppliers, and welders

Project Need: There is a need in the railroad industry for a specification outlining the minimum standards to weld rail and rail-related components. It is required for the safe and economical operation of railroads.

Interest Categories: Producers, Users, General Interest, and Educators

This document specifies the minimum standards for the welding of rails and related rail components. Repair procedures for rails and austenitic manganese steel components are covered. Arc welding, thermite welding, flash welding, and rail bonding variables are defined. Procedure qualification, welder performance qualification, and general welding safety procedures are addressed. Inspection methods and acceptance criteria are specified.

ICC (International Code Council)

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

New Standard

BSR/ICC 1420-202x, Standard for Design and Evaluation of Dynamic Evacuation Systems in Buildings (new standard)
Stakeholders: Manufacturers, Builders, Architects, Engineers, Designers, Building Owners, Contractors, Government Regulators, Academia, Insurance

Project Need: Building occupants may be exposed to numerous types of hazards (e.g., fire, structural collapse, active shooter, flood, tornados, hurricanes), each requiring different strategies for protection (e.g., shelter in place, evacuation). At the same time, smart building technologies including sensors, controls, addressable and tunable lighting, signage and audible announcements managed by building automation systems and other smart systems is expanding. Standards are needed to assure the safe deployment of dynamic evacuation systems that deliver succinct and understandable guidance to building occupants and result in appropriate occupant actions in response to the hazard.

Interest Categories: Manufacturer, Builder, Standards Promulgator/Testing Laboratory, User, Utility, Consumer, Public Segment, Government Regulator, Insurance

This standard provides methodologies for the design and evaluation of dynamic evacuation systems in buildings. The standard shall include processes for identifying specific hazards, the determination of desired occupant response, and the methods of communication to building occupants. Topics covered may include component installation positions, display appearance, audible messaging, sensor interface, intelligent algorithms (including artificial intelligence), documentation, and system testing. The standard shall also include methodologies for the evaluation of the design and implementation of the system. The standard shall not be used to circumvent existing fire or other hazard-related evacuation requirements but rather provide an alternative method of compliance.

NEMA (National Electrical Manufacturers Association)

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

National Adoption

BSR/NEMA MG 60034-31-202x, Guidelines for the Selection of Motors Including Constant and Variable Speed Applications (national adoption with modifications of IEC 60034-31:2021 Edition 1.0)
Stakeholders: Motor manufacturers, OEMs (original equipment manufacturers), motor end users, regulators, legislators, and other interested parties

Project Need: The project is needed to harmonize with published IEC 60034-31:2021 (Edition 1.0). This document is necessary to provide motor end users guidelines for the use of motors in constant speed and variable speed operations in different applications. Its use will facilitate greater use of electric motors operated with variable speed drives for controlling both speed and torque based on varying load requirements, which is key to achieving significant electricity savings.

Interest Categories: Producer, User, General Interest

Provides instruction on technical and economic aspects for the application of polyphase electric AC motors rated 600 V or less including synchronous machines. It applies to electrical machines covered by NEMA MG 1-2021.

SCTE (Society of Cable Telecommunications Engineers)

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

Revision

BSR/SCTE 135-03 202x, DOCSIS 3.0 Part 3: Security Services (revision of ANSI/SCTE 135-03-2019)
Stakeholders: Cable Telecommunications Industry

Project Need: Update to current technology.

Interest Categories: General Interest, Producer, User.

This standard is part of the DOCSIS® family of standards. In particular, this standard is part of a series of specifications that define the third generation of high-speed data-over-cable systems. This standard was developed for the benefit of the cable industry, and includes contributions by operators and vendors from North America, Europe, China, and other regions.

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: July 23, 2023

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

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

Addenda

BSR/ASHRAE Addendum a to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2022)
In 2019, ASME introduced a newly created Section XIII as part of its long-standing Boiler and Pressure Vessel Code. The newly created Section XIII relocates requirements for pressure relief devices that existed in other divisions within the code. Section VIII, Division 1 retained requirements for overpressure protection for ASME rated vessels and equipment. This proposed addendum revises related portions of ANSI/ASHRAE Standard 15 for overpressure protection to appropriately reference to the changes in overpressure protection in the ASME Boiler and Pressure Vessel Code.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE Addendum d to Standard 30-202x, Method of Testing Liquid Chillers (addenda to ANSI/ASHRAE Standard 30-2019)
The purpose of Addendum d to Standard 30-2019 is to align the stability requirements in the standard with the measurements supporting the purpose of the test. The purposes of the test include measurement of thermal capacity and energy efficiency.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

Comment Deadline: July 23, 2023

AWWA (American Water Works Association)

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

Addenda

BSR/AWWA C301a-202x, Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (addenda to ANSI/AWWA C301-2014 (R2019))
This addendum provides modifications to the cement types and cementitious materials allowed for the manufacture of prestressed concrete pressure pipe, steel-cylinder type; updates references to various ASTM standards; and provides modifications to the minimum yield strength of steel for joint rings and fittings.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: AWWA, Paul J. Olson

NSF (NSF International)

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

Revision

BSR/NSF 40-202x (i58r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2022)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1,514 LPD (400GPD) and 5,678 LPD (1,500 GPD). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 50-202x, Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations (revision of ANSI/UL 50-2020)
1. The Proposed Fourteenth Edition of the Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations, UL 50. This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations in accordance with the Canadian Electrical Code, Part I, CSA C22.1, the provisions of the National Electrical Code, NFPA 70, and the provisions of Mexico's Electrical Installations, NOM-001-SEDE.
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 & Engagement)

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

Revision

BSR/UL 50E-202x, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations (revision of ANSI/UL 50E-2020)
Recirculation of the following topics: (1) Sealing Compound at Joints or Seams; (2) Adhesives that Bond Surfaces; (4) Ancillary Rating for Power Wash – PW; (5) Revision of Clause 8.15.2 by Adding Additional References.
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

Comment Deadline: July 23, 2023

ULSE (UL Standards & Engagement)
47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

Revision

BSR/UL 67-202x, Standard for Safety for Panelboards (revision of ANSI/UL 67-2023)
This proposal covers the following topics: 1) Revision of Service Equipment Requirements for Panelboards; 2) Inclusion of Requirements for Field Installable Panelboard Accessories in Paragraphs 5.1A (New), 28.1 and 34.1.27 (New), and Subsections 6.6, 6.7, and 34.12; and 5) Inclusion of New Requirements for Panelboard Kits in Paragraph 5.51A (New); Section 36; Subsections 6.6, 6.8 (New), 34.19 (New), 36.1 (New), 36.2 (New), and 36.3 (New); and Figures 36.1 (New) and 36.2 (New). The original version of these proposal topics were posted by ULSE for ballot on March 3, 2023.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

ULSE (UL Standards & Engagement)
333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ulse.org/

Revision

BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498D-2023)
This revision of ANSI/UL 498D is a clarification of requirements for receptacle grounding terminal.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)
333 Pfingsten Road, Northbrook, IL 60062 | megan.monsen@ul.org, https://ulse.org/

Revision

BSR/UL 498F-202x, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498F-2023)
This revision of ANSI/UL 498F is a clarification of requirements for receptacle grounding terminal.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/ProposalAvailable

ULSE (UL Standards & Engagement)
47173 Benicia Street, Fremont, CA 94538 | Derrick.L.Martin@ul.org, https://ulse.org/

Revision

BSR/UL 2237-202x, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (revision of ANSI/UL 2237-2021)
This proposal covers the addition of requirements for Environmental Enclosure Rating “4 or 4X Indoor Use Only” to new Paragraphs 17.3 and 49.3A. The original version of this proposal was posted by ULSE for ballot on April 21, 2023.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

Comment Deadline: July 23, 2023

ULSE (UL Standards & Engagement)

9 Burlington Crescent, Ottawa, ON K1T3L1 | celine.eid@ul.org, https://ulse.org/

Revision

BSR/UL 2238-202x, Standard for Cable Assemblies and Fittings for Industrial Control and Signal (revision of ANSI/UL 2238-2022)
Addition of Requirements for Environmental Rating of "4 or 4X Indoor Use Only".
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 4248-6-202x, Standard for Fuseholders - Part 6: Class H (revision of ANSI/UL 4248-6-2007 (R2018))
1. Proposed Second Edition of the Standard for Fuseholders - Part 6: Class H, UL 4248-6.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 4248-8-202x, Standard for Fuseholders - Part 8: Class J (revision of ANSI/UL 4248-8-2018)
1. Proposed Third Edition of the Standard for Fuseholders – Part 8: Class J, UL 4248-8.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: August 7, 2023

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

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

New Standard

BSR/AHRI Standard 600 (I-P)-202x, Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment (new standard)
Scope of the standard includes IEER calculation, blower minimum external static pressure, heat pump setup, test procedure and test provisions, and testing provisions regarding specific components. Out of scope: heat pumps covered by AHRI Standard 340/360; heat pumps covered by AHRI Standard 1230; heat pumps covered by AHRI Standard 550/590.
Single copy price: Free
Obtain an electronic copy from: https://connect.ahrinet.org/standards-public-review/stdsunderpublicreview
Send comments (copy psa@ansi.org) to: AHRI_Standards@ahrinet.org

Comment Deadline: August 7, 2023

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

National Adoption

BSR/ARESCA 61400-1-202x, Wind energy generation systems - Part 1: Design requirements (identical national adoption of IEC 61400-1:2019)
IEC 61400-1:2019 specifies essential design requirements to ensure the structural integrity of wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime. This document is concerned with all subsystems of wind turbines such as control and protection functions, internal electrical systems, mechanical systems and support structures. This document applies to wind turbines of all sizes. For small wind turbines, IEC 61400-2 can be applied. IEC 61400-3-1 provides additional requirements to offshore wind turbine installations. This document is intended to be used together with the appropriate IEC and ISO standards mentioned in Clause 2.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 61400-24-202x, Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24:2019)
IEC 61400-24:2019 applies to lightning protection of wind turbine generators and wind power systems. Refer to guidelines for small wind turbines in annex. This document defines the lightning environment for wind turbines and risk assessment for wind turbines in that environment. It defines requirements for protection of blades, other structural components and electrical and control systems against both direct and indirect effects of lightning. Test methods to validate compliance are included. Guidance on the use of applicable lightning protection, industrial electrical and EMC standards including earthing is provided.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 61400-26-1-202x, Wind energy generation systems - Part 26-1: Availability for wind energy generation systems (identical national adoption of IEC 61400-26-1:2019)
IEC 61400-26-1:2019 defines an information model from which time-based, and production-based availability indicators for services can be derived and reported. The purpose is to provide standardised metrics that can be used to create and organise methods for availability calculation and reporting according to the user's needs.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: August 7, 2023

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

National Adoption

BSR/ARESCA 62600-2-202x, Marine energy - Wave, tidal and other water current converters - Part 2: Marine energy systems - Design requirements (identical national adoption of IEC TS 62600-2:2019)
IEC TS 62600-2:2019 provides design requirements to ensure the engineering integrity of wave, ocean, tidal and river current energy converters, collectively referred to as marine energy converters. Its purpose is to provide an appropriate level of protection against damage from all hazards that may lead to catastrophic failure of the MEC structural, mechanical, electrical or control systems. This document provides requirements for MEC main structure, appendages, seabed interface, mechanical systems and electrical systems as they pertain to the viability of the device under site-specific environmental conditions. This document applies to MECs that are either floating or fixed to the seafloor or shore and are unmanned during operational periods.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-3-202x, Marine energy - Wave, tidal and other water current converters - Part 3: Measurement of mechanical loads (identical national adoption of IEC TS 62600-3:2020)
IEC TS 62600-3:2020 describes the measurement of mechanical loads on hydrodynamic marine energy converters such as wave, tidal and other water current converters (including river current converters) for the purpose of load simulation model validation and certification. This document contains the requirements and recommendations for the measurement of mechanical loads for such activities as site selection, measurand selection, data acquisition, calibration, data verification, measurement load cases, capture matrix, post-processing, uncertainty determination and reporting.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-4-202x, Marine energy - Wave, tidal and other water current converters - Part 4: Specification for establishing qualification of new technology (identical national adoption of IEC TS 62600 -4:2020)
IEC TS 62600-4:2020 specifies the requirements of the technology qualification process for marine renewable technologies. Technology Qualification is a process of providing evidence and arguments to support claims that the technology under assessment will function reliably in a target operating environment within specific limits and with an acceptable level of confidence.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: August 7, 2023

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

National Adoption

BSR/ARESCA 62600-10-202x, Marine energy - Wave, tidal and other water current converters - Part 10: Assessment of mooring system for marine energy converters (MECs) (identical national adoption of IEC TS 62600 -10:2021)
IEC TS 62600-10:2021 provide uniform methodologies for the design and assessment of mooring systems for floating Marine Energy Converters (MECs) (as defined in the TC 114 scope). It is intended to be applied at various stages, from mooring system assessment to design, installation and maintenance of floating Marine Energy Converters plants.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-20-202x, Marine energy - Wave, tidal, and other water current converters - Part 20: Design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant - General guidance (identical national adoption of IEC TS 62600-20:2019)
IEC TS 62600-20:2019 establishes general principles for design assessment of OTEC plants. The goal is to describe the design and assessment requirements of OTEC plants used for stable power generation under various conditions. This electricity may be used for utility supply or production of other energy carriers. The intended audience is developers, engineers, bankers, venture capitalists, entrepreneurs, finance authorities and regulators.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-30-202x, Marine energy - Wave, tidal and other water current converters - Part 30: Electrical power quality requirements (identical national adoption of IEC TS 62600-30:2018)
IEC TS 62600-30:2018(E) includes: definition and specification of the quantities to be determined for characterizing the power quality of a marine energy (wave, tidal and other water current) converter unit; measurement procedures for quantifying the characteristics of a marine energy (wave, tidal and other water current) converter. The measurement procedures are valid for a single marine energy converter (MEC) unit (or farm) with three-phase grid or an off-grid connection. The measurement procedures are valid for any size of MEC unit.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: August 7, 2023

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

National Adoption

BSR/ARESCA 62600-40-202x, Marine energy - Wave, tidal and other water current converters - Part 40: Acoustic characterization of marine energy converters (identical national adoption of IEC TS 62600-40:2019)
IEC TS 62600-40:2019 provides uniform methodologies to consistently characterize the sound produced by the operation of marine energy converters that generate electricity, including wave, current, and ocean thermal energy conversion. This document does not include the characterization of sound associated with installation, maintenance, or decommissioning of these converters, nor does it establish thresholds for determining environmental impacts. Characterization refers to received levels of sound at particular ranges, depths, and orientations to a marine energy converter.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-202-202x, Marine energy - Wave, tidal and other water current converters - Part 202: Early stage development of tidal energy converters - Best practices and recommended procedures for the testing of pre-prototype scale devices (identical national adoption of IEC TS 62600-202:2022)
IEC TS 62600-202:2022 specifies the development stages of Tidal Energy Converters up to the pre-prototype scale (Stages 1 to 3). It includes the hydraulic laboratory test programs, where environmental conditions are controlled so they can be scheduled, and the first scaled system open-water trials, where combinations of tidal currents, wind and waves occur naturally and the programs are adjusted and flexible to accommodate these conditions. This document describes the minimum test programs that form the basis of a structured technology development schedule. For each testing campaign, the prerequisites, goals and minimum test plans are specified.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

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

National Adoption

BSR/ARESCA 62600-300-202x, Marine energy - Wave, tidal and other water current converters - Part 300: Electricity producing river energy converters - Power performance assessment (identical national adoption of IEC TS 62600-300:2019)
IEC TS 62600-300:2019 provides a systematic methodology for evaluating the power performance of river current energy converters (RECs) that produce electricity for utility scale and localized grids; A definition of river energy converter rated capacity and rated water speed; A methodology for the production of power curves for the river energy converters in consideration; and A framework for the reporting of results.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

Comment Deadline: August 7, 2023

ARESCA (American Renewable Energy Standards and Certification Association)

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

National Adoption

BSR/ARESCA 62600-301-202x, Marine energy - Wave, tidal and other water current converters - Part 301: River energy resource assessment (identical national adoption of IEC TS 62600-301:2019)
IEC TS 62600-301:2019 provides: Methodologies that ensure consistency and accuracy in the determination of the theoretical river energy resource at sites that may be suitable for the installation of River Energy Converters (RECs); Methodologies for producing a standard current speed distribution based on measured, historical, or numerical data, or a combination thereof, to be used in conjunction with an appropriate river energy power performance assessment; Allowable data collection methods and/or modelling techniques; and A framework for reporting results.
Single copy price: Free
Obtain an electronic copy from: secretary@aresca.us
Send comments (copy psa@ansi.org) to: George Kelly <secretary@aresca.us>

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

Revision

BSR X9.119-1-202x, Retail Financial Services - Requirements for Protection of Sensitive Payment Card Data - Part 1: Using Encryption Methods (revision of ANSI X9.119-1-2016)
Theft of sensitive card data during a retail payment transaction is increasingly becoming a major source of financial fraud. Besides an optional encrypted PIN, this data includes magnetic stripe track 2 data: PAN, expiration date, card verification value, and issuer private data. While thefts of this data at all segments of the transaction processing system have been reported, the most vulnerable segments are between the point of transaction device capturing the magnetic stripe data and the processing systems at the acquirer. This document would standardize the security requirements and implementation for a method for protecting this sensitive card data over these segments. Several implementations exist to address this situation. This document would provide guidance for evaluating these implementations.
Single copy price: $100.00
Obtain an electronic copy from: ambria.calloway@x9.org
Send comments (copy psa@ansi.org) to: Same

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | Ambria.Calloway@X9.org, www.x9.org

Revision

BSR X9.124-1-202x, Symmetric Key Cryptography for the Financial Services Industry Format Preserving Encryption - Part 1: Definitions and Mode (revision of ANSI X9.124-1-2020)
The proposed standard will describe the base mathematical technique required to achieve secure FPE, and also a set of formats for the encryption of payment card data, including formats that retain various parts of the card data in plaintext format to allow critical functions like card routing and receipt printing. The intention is for the standard to describe the techniques to the point that other X9 work can directly use this tool in standards that describe card data protection protocols, such as the work in X9.119.
Single copy price: Free
Obtain an electronic copy from: ambria.calloway@x9.org
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: August 7, 2023

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

New Standard

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (new standard)
This standard establishes material and workmanship standards for manufacturers, fabricators, repair organizations, purchasers, and owner/operators of rotating equipment which are fabricated or repaired by welding. Included are sections defining process qualifications, operator qualifications, quality control, inspection requirements, and repair requirements.
Single copy price: $48.00 for non-members; $36.00 for members
Obtain an electronic copy from: kbulger@aws.org
Send comments (copy psa@ansi.org) to: Kevin Bulger <kbulger@aws.org>

AWS (American Welding Society)
8669 NW 36th Street, Suite 130, Miami, FL 33166-6672 | kbulger@aws.org, www.aws.org

Revision

BSR/AWS A5.14/A5.14M-202x, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M-2018)
The chemical compositions of nickel and nickel-alloy welding electrodes and rods are specified. Major topics include general requirements, testing, packaging and application guidelines. 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: $39.00 non-member; $30.00 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 | jmolin@aws.org, www.aws.org

Revision

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

Comment Deadline: August 7, 2023

CSA (CSA America Standards Inc.)

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

Revision

BSR Z21.66-202x, Automatic damper devices for use with gas-fired appliances (same as CSA 6.14) (revision of ANSI Z21.66-2015 (R2020))
This Standard applies to the construction, performance, and installation procedures for a newly produced automatic damper device herein referred to as “device” in this Standard, constructed entirely of new and unused parts and materials, and designed to be used with a gas-fired appliance listed by a nationally recognized certification body.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

NSF (NSF International)

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

Revision

BSR/NSF 40-202x (i56r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2022)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1,514 LPD (400GPD) and 5,678 LPD (1,500 GPD). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this standard.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/69497/40i56r1%20et%20al%20-%20%20JC%20Memo%20&%20ballot.pdf
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

NSF (NSF International)

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

Revision

BSR/NSF 245-202x (i36r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2022)
This standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1,514 LPD (400 GPD) to 5,678 LPD (1,500 GPD) that are designed to provide reduction of nitrogen in residential wastewater.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/69497/40i56r1%20et%20al%20-%20%20JC%20Memo%20&%20ballot.pdf
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

Comment Deadline: August 7, 2023

NSF (NSF International)

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

Revision

BSR/NSF 350-202x (i79r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)
This standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems include greywater treatment systems; residential wastewater treatment systems; and commercial treatment systems.
Single copy price: Free
Obtain an electronic copy from: https://standards.nsf.org/apps/group_public/download.php/69497/40i56r1%20et%20al%20-%20%20JC%20Memo%20&%20ballot.pdf
Send comments (copy psa@ansi.org) to: Jason Snider <jsnider@nsf.org>

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE 282-202x, Implementing Inside Plant Network Platform Hot Standby Powering (new standard)
This standard defines the implementation of hot standby power supply unit (PSU) deployments of equipment contained inside operator critical facilities to optimize energy usage as opposed to using dual redundant platform powering. This standard covers any active device (server, switch, router, laser chassis, etc.) which requires electricity to operate via installed PSUs and can be operated in a hot standby configuration. It also includes alerting, alarming, settings, and controls for hot standby enabled platforms.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

SCTE (Society of Cable Telecommunications Engineers)

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

New Standard

BSR/SCTE 283-202x, Information Model for Smart Broadband Amplifiers (new standard)
This standard defines an information model for communications with amplifiers used in hybrid fiber-coax (HFC) networks. The information model includes capabilities, configuration and status information which can be set either over a coaxial cable transponder or locally via direct wired or wireless connection. This release of the standard is compatible with [SCTE 279] amplifiers and could also be applicable to stand-alone FDX amplifiers and to launch amplifiers inside nodes. The scope of this document is the amplifier and does not include consideration of the coaxial cable transponder.
Single copy price: $50.00
Obtain an electronic copy from: standards@scte.org
Send comments (copy psa@ansi.org) to: standards@scte.org

Comment Deadline: August 7, 2023

ULSE (UL Standards & Engagement)

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

Reaffirmation

BSR/UL 60034-1-2018 (R202x), Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (reaffirmation of ANSI/UL 60034-1-2018)
Reaffirmation of UL 60034-1 which covers rotating electrical machines.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/ProposalAvailable
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 & Engagement)

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

Revision

BSR/UL 104-202x, Standard for Safety for Elevator Door Locking Devices and Door or Gate Closed Detection Means (revision of ANSI/UL 104-2016 (R2020))
This proposal covers the publication of a First Edition of the Standard for Elevator Door Locking Devices and Door or Gate Closed Detection Means, CSA B44.11/UL 104, as a Bi-National CSA/UL Standard. An earlier version of this proposal was posted by ULSE for ballot on December 16, 2022.
Single copy price: Free
Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx
Send comments (copy psa@ansi.org) to: Derrick Martin; Derrick.L.Martin@ul.org

Comment Deadline: August 22, 2023

ULSE (UL Standards & Engagement)

47173 Benicia Street, Fremont, CA 94538 | Marcia.M.Kawate@ul.org, https://ulse.org/

Revision

BSR/UL 732-202x, Standard for Safety for Oil-Fired Storage Tank Water Heaters (revision of ANSI/UL 732-1997 (R2018))
The following topic is being proposed: (1) Editorial updates for new edition
Single copy price: Free
Order from: https://www.shopulstandards.com/
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area “https://csds.ul.com/Home/ProposalsDefault.aspx".

Technical Reports Registered with ANSI

Withdrawal of a Technical Report that is registered with ANSI is determined by the responsible ANSI-Accredited Standards Developer. The following Technical Reports are hereby withdrawn in accordance with the Developers own procedures.

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

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

INCITS/ISO/IEC TR 20000-4:2010 [2018], Information technology - Service management - Part 4: Process reference model, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)
To facilitate the development of a process assessment model according to ISO/IEC 15504 process assessment principles. ISO/IEC 15504-1 describes the concepts and terminology used for process assessment. ISO/IEC 15504-2 describes the requirements for the conduct of an assessment and a measurement scale for assessing process capability. The process reference model provided in ISO/IEC TR 20000-4:2010 is a logical representation of the elements of the processes within service management that can be performed at a basic level.
Send comments (copy psa@ansi.org) to: comments@itic.org

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

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

INCITS/ISO/IEC TR 20000-5:2013 [2018], Information technology - Service management - Part 5: Exemplar implementation plan for ISO/IEC 20000-1, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)
This Technical Report is an exemplar implementation plan providing guidance on how to implement a service management system (SMS) to fulfil the requirements of ISO/IEC 20000-1:2011. The intended users of ISO/IEC TR 20000-5:2013 are service providers, but it can also be useful for those advising service providers on how to implement an SMS. It includes advice for service providers on a suitable order in which to plan, implement and improve an SMS.
Send comments (copy psa@ansi.org) to: comments@itic.org

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

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

INCITS/ISO/IEC TR 20000-10:2015 [2018], Information technology - Service management - Part 10: Concepts and terminology, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)
Describes the core concepts of ISO/IEC 20000, identifying how the different parts support ISO/IEC 20000 1:2011 as well as the relationships between ISO/IEC 20000 and other International Standards and Technical Reports. This part of ISO/IEC 20000 also explains the terminology used in ISO/IEC 20000, so that organisations and individuals can interpret the concepts correctly.
Send comments (copy psa@ansi.org) to: comments@itic.org

Technical Reports Registered with ANSI

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

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

INCITS/ISO/IEC TR 20000-12:2016 [2018], Information technology - Service management - Part 12: Guidance on the relationship between ISO/IEC 20000-1:2011 and service management frameworks: CMMI-SVC, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)
Provides guidance on the relationship between ISO/IEC 20000-1:2011 and CMMI-SVC V1.3 (through Maturity Level 3). Service providers can refer to this guidance as a cross-reference between the two documents to help them to plan and implement an SMS. An organization employing the practices in the indicated CMMI-SVC process areas can conform to many of the associated ISO/IEC 20000-1 requirements. Can be used by any organization or person who wishes to understand how CMMI-SVC can be used with ISO/IEC 20000 1:2011.
Send comments (copy psa@ansi.org) to: Questions may be directed to: INCITS Secretariat <comments@standards.incits.org>

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

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

INCITS/ISO/IEC TR 29123:2007 [2018], Identification Cards - Proximity Cards - Requirements for the enhancement of interoperability, a Technical Report prepared by INCITS and registered with ANSI (withdraw technical report)
ISO/IEC TR 29123:2007 defines a series of requirement and tests used to enhance the interoperability of proximity cards (PICC) and proximity coupling devices (PCD) defined in the ISO/IEC 14443 series and tested in accordance with ISO/IEC 10373-6. Conformance to ISO/IEC TR 29123:2007 should increase the chance that the PICCs and PCDs designed to the ISO/IEC 14443 series of standards will be interoperable.
Send comments (copy psa@ansi.org) to: Deborah Spittle, (202) 737-8888, comments@standards.incits.org

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

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

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

Reaffirmation

INCITS/ISO/IEC TR 18268:2013 [R2023], Identification cards - Contactless integrated circuit cards - Proximity cards - Multiple PICCs in a single PCD field, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report INCITS/ISO/IEC TR 18268:2013 [2018])
Presents a collation of industry experience of technical issues resulting from the presence of multiple PICCs (proximity card or object) in the field of a PCD (proximity coupling device). It describes how resonance frequencies may shift, how individual PICCs may see a reduced field strength, how multiple PICCs load the PCD, how they may change the local modulation signal and how PICCs should manage their identities to aid support of simultaneous usage.
Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

Technical Reports Registered with ANSI

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

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

Reaffirmation

INCITS/ISO/IEC TR 18781:2015 [R2023], Identification cards - Laundry testing of ID Cards, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report INCITS/ISO/IEC TR 18781:2015 [2018])
Gives guidance on the principles and methods of testing ID cards to simulate accidental exposure to conditions encountered during the washing and drying of clothing. The physical properties of a card may degrade after exposure and the test methods described may be useful for comparing different card materials or types. For simplicity, one washing and drying cycle is specified, which is thought to be typical, according to industry sources.
Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

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

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

Reaffirmation

INCITS/ISO/IEC TR 19446:2015 [R2023], Differences between the driving licences based on the ISO/IEC 18013 series and the European Union specifications, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report INCITS/ISO/IEC TR 19446:2015 [2018])
This standard is applicable to driving licences which include a microchip and claim compliance to the EU Regulation on driving licenses.
Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

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

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

Reaffirmation

INCITS/ISO/IEC TS 38501:2015 [R2023], Information technology - Governance of IT - Implementation guide, a Technical Specification prepared by INCITS and registered with ANSI (reaffirmation of technical report INCITS/ISO/IEC TS 38501:2015 [2018])
Provides guidance on how to implement arrangements for effective governance of IT within an organization.
Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.org>

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

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

Reaffirmation

INCITS/ISO/IEC TR 38504:2016 [R2023], Governance of information technology - Guidance for principles-based standards in the governance of information technology, a Technical Report prepared by INCITS and registered with ANSI (reaffirmation of technical report INCITS/ISO/IEC TR 38504:2016 [2018])
Provides guidance on the information required to support principles-based standards in the area of governance and management of information technology. Guidance includes general recommendations, identification of elements and advice for their formulation. It does not describe the detail of specific principles or how they are aggregated into specific guidance to fulfil business objectives and achieve business outcomes from the use of IT.
Send comments (copy psa@ansi.org) to: Deborah Spittle <comments@standards.incits.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.

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP Specialty Pharmacy Reporting v10-2018, NCPDP Specialty Pharmacy Data Reporting Standard v10 (new standard)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP Audit Transaction v33-2017, NCPDP Audit Transaction Standard v33 (revision and redesignation of BSR/NCPDP Audit Transaction v32-201x)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP BUS v3.1-2015, NCPDP Billing Unit Standard v3.1 (revision and redesignation of ANSI/NCPDP BUS V3.0-2009)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP FIR v14-2017, NCPDP Financial Information Reporting Standard v14 (revision and redesignation of ANSI/NCPDP FIR v1.3-2017)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP FB v51-2017, NCPDP Formulary and Benefit Standard v51 (revision and redesignation of ANSI/NCPDP FB v50-2016)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP MR v07.02-2018, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.02-201x (revision and redesignation of ANSI/NCPDP MR v07.01-2014)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP PA Transfer v22-2017, NCPDP Prior Authorization Transfer Standard v22 (revision and redesignation of ANSI/NCPDP PA Transfer v21-2016)
Send comments (copy psa@ansi.org) to: Questions may be directed to: Margaret Weiker <mweiker@ncpdp.org>

Final Actions on American National Standards

The standards actions listed below have been approved by the ANSI Board of Standards Review (BSR) or by an ANSI-Audited Designator, as applicable.

ADA (American Dental Association)

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

ANSI/ADA Standard No. 1099-2023, Quality Assurance for Digital Panoramic and Cephalometric Radiographic Systems (new standard) Final Action Date: 6/15/2023 | *New Standard*

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

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

ANSI/AHRI Standard 530-2022 (S-I), Rating of Sound and Vibration for Refrigerant Compressors (new standard) Final Action Date: 6/13/2023 | *New Standard*

ANSI/AHRI Standard 680-2015 (R2023) (I-P), Performance Rating of Residential Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 680 (I-P)-2015) Final Action Date: 6/13/2023 | *Reaffirmation*

ANSI/AHRI Standard 681-2015 (R2023) (SI), Performance Rating of Residential Air Filter Equipment (reaffirmation of ANSI/AHRI Standard 681 (SI)-2015) Final Action Date: 6/13/2023 | *Reaffirmation*

ANSI/AHRI Standard 220-2022, Reverberation Room Qualification and Testing Procedures for Determining Sound Power of HVAC Equipment (revision of ANSI/AHRI Standard 220-2015) Final Action Date: 6/12/2023 | *Revision*

ANSI/AHRI Standard 250-2022, Performance and Calibration of Reference Sound Sources (revision of ANSI/AHRI Standard 250-2013) Final Action Date: 6/13/2023 | *Revision*

ANSI/AHRI Standard 310/380-2017 (SI/I-P), Packaged Terminal Air-conditioners and Heat Pumps (revision and redesignation of ANSI/AHRI 310/380-2014) Final Action Date: 6/13/2023 | *Revision*

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Pk, IL 60526 | pschroeder@ans.org, www.ans.org

ANSI/ANS 6.1.2-2013 (R2023), Group Averaged Neutron and Gamma-Ray Cross Sections for Radiation Protection and Shielding Calculations for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.1.2-2013 (R2018)) Final Action Date: 6/16/2023 | *Reaffirmation*

ASABE (American Society of Agricultural and Biological Engineers)

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

ANSI/ASABE S611-JUN2023, Collecting, Processing, and Visualizing Geographic Harvest Data (new standard) Final Action Date: 6/12/2023 | *New Standard*

ASME (American Society of Mechanical Engineers)

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

ANSI/ASME BTH-1-2023, Design of Below-the-Hook Lifting Devices (revision of ANSI/ASME BTH-1-2020) Final Action Date: 6/16/2023 | *Revision*

ISA (International Society of Automation)

3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | crobinson@isa.org, www.isa.org

ANSI/ISA 106.00.01-2023, Procedure Automation for Continuous Process Operations (new standard) Final Action Date: 6/15/2023 | *New Standard*

NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ 85260 | mweiker@ncpdp.org, www.ncpdp.org

ANSI/NCPDP Benefit Integration Standard v18-2023, NCPDP Benefit Integration Standard v18 (revision and redesignation of ANSI/NCPDP Benefit Integration Standard v17-2021) Final Action Date: 6/16/2023 | *Revision*

ANSI/NCPDP Product Identifier v1.7-2023, NCPDP Product Identifier Standard v1.7 (revision and redesignation of ANSI/NCPDP Product Identifier v1.6-2021) Final Action Date: 6/16/2023 | *Revision*

ANSI/NCPDP TC VFA-2023, NCPDP Telecommunication Standard Version FA (revision and redesignation of ANSI/NCPDP TC VF9-2022) Final Action Date: 6/16/2023 | *Revision*

NFPA (National Fire Protection Association)

One Batterymarch Park, Quincy, MA 02169 | dbellis@nfpa.org, www.nfpa.org

ANSI/NFPA 170-2023, Standard for Fire Safety and Emergency Symbols (revision of ANSI/NFPA 170-2021) Final Action Date: 6/14/2023 | *Revision*

NSF (NSF International)

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

ANSI/NSF 40-2023 (i51r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2022) Final Action Date: 6/5/2023 | *Revision*

ANSI/NSF 245-2023 (i32r2), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2022) Final Action Date: 6/5/2023 | *Revision*

TAPPI (Technical Association of the Pulp and Paper Industry)

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

ANSI/TAPPI T 263 sp-2023, Identification of wood and fibers from conifers (new standard) Final Action Date: 6/12/2023 | *New Standard*

ANSI/TAPPI T 1011 om-2023, Basis weight of fiber glass mats (new standard) Final Action Date: 6/12/2023 | *New Standard*

ANSI/TAPPI T 218 sp-2018 (R2023), Forming handsheets for reflectance testing of pulp (Bchner funnel procedure) (reaffirmation of ANSI/TAPPI T 218 sp-2018) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 271 om-2012 (R2023), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012 (R2018)) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 275 sp-2018 (R2023), Screening of pulp (Somerville-type equipment) (reaffirmation of ANSI/TAPPI T 275 sp-2018) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 491 om-2018 (R2023), Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om -2018) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 547 om-2012 (R2023), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018)) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 551 om-2018 (R2023), Thickness of paper and paperboard (soft platen method) (reaffirmation of ANSI/TAPPI T 551 om-2018) Final Action Date: 6/12/2023 | *Reaffirmation*

TAPPI (Technical Association of the Pulp and Paper Industry)

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

ANSI/TAPPI T 568 om-2012 (R2023), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012 (R2018)) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 579 om-2018 (R2023), Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 579 om-2018) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 1217 sp-2012 (R2023), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 sp-2012 (R2018)) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 1218 sp-2012 (R2023), Calibration of reflectance standards for hemispherical geometry (reaffirmation of ANSI/TAPPI T 1218 sp-2012 (R2018)) Final Action Date: 6/12/2023 | *Reaffirmation*

ANSI/TAPPI T 409 sp-2023, Machine direction of paper and paperboard (revision of ANSI/TAPPI T 409 sp-2015) Final Action Date: 6/12/2023 | *Revision*

ANSI/TAPPI T 1012 om-2023, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2015) Final Action Date: 6/12/2023 | *Revision*

Call for Members (ANS Consensus Bodies)

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

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially interested parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit http://www.incits.org/participation/membership-info for more information.
Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following underrepresented categories:

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

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.
SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.
Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures.
More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developer

AAFS - American Academy of Forensic Sciences

Application Deadline: July 21, 2023

New membership opportunities for existing consensus bodies: Application Deadline: July 21, 2023

New membership opportunities for existing consensus bodies: Anthropology, Bloodstain Pattern Analysis, CSI, DNA, Dogs and Sensors, Firearms and Toolmarks, Footwear and Tire, Forensic Document Examination, Forensic Odontology, Friction Ridge, Mass Fatality Management and Disaster Victim Identification, Medicolegal Death Investigation, Toxicology, Wildlife Forensics
The Academy Standards Board (ASB) of the American Academy of Forensic Sciences (AAFS) is an ANSI-accredited Standards Development Organization. It is announcing a call for new members for all existing consensus bodies. The consensus bodies have 7 to 25 members based on applications received. Members will be selected by the Board of Directors of the ASB. The ASB has six interest categories, applicants are encouraged to apply in their self-selected interest category. A person may apply to one or more Consensus Body, and need not indicate the same interest category for each Consensus Body application. An on-line application form is available at https://www.aafs.org/academy-standards-board, the website also contains links to several relevant documents describing the ASB.

Applicants are requested to submit the online form to be considered for serving on the ASB consensus bodies by July 21, 2023. Please direct questions to: Teresa Ambrosius, tambrosius@aafs.org, 719-453-1036.

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

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

BSR/AHRI Standard 600 (I-P)-202x, Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment (new standard)

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

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

BSR/AHRI Standard 601 (SI)-202x, Standard for Performance Rating of Water/Brine to Air Heat Pump Equipment (new standard)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-1-202x, Wind energy generation systems - Part 1: Design requirements (identical national adoption of IEC 61400-1:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-24-202x, Wind energy generation systems - Part 24: Lightning protection (identical national adoption of IEC 61400-24:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 61400-26-1-202x, Wind energy generation systems - Part 26-1: Availability for wind energy generation systems (identical national adoption of IEC 61400-26-1:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-2-202x, Marine energy - Wave, tidal and other water current converters - Part 2: Marine energy systems - Design requirements (identical national adoption of IEC TS 62600-2:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-3-202x, Marine energy - Wave, tidal and other water current converters - Part 3: Measurement of mechanical loads (identical national adoption of IEC TS 62600-3:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-4-202x, Marine energy - Wave, tidal and other water current converters - Part 4: Specification for establishing qualification of new technology (identical national adoption of IEC TS 62600-4:2020)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-10-202x, Marine energy - Wave, tidal and other water current converters - Part 10: Assessment of mooring system for marine energy converters (MECs) (identical national adoption of IEC TS 62600-10:2021)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-20-202x, Marine energy - Wave, tidal, and other water current converters - Part 20: Design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant - General guidance (identical national adoption of IEC TS 62600-20:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-30-202x, Marine energy - Wave, tidal and other water current converters - Part 30: Electrical power quality requirements (identical national adoption of IEC TS 62600-30:2018)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-40-202x, Marine energy - Wave, tidal and other water current converters - Part 40: Acoustic characterization of marine energy converters (identical national adoption of IEC TS 62600-40:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-202-202x, Marine energy - Wave, tidal and other water current converters - Part 202: Early stage development of tidal energy converters - Best practices and recommended procedures for the testing of pre-prototype scale devices (identical national adoption of IEC TS 62600-202:2022)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-300-202x, Marine energy - Wave, tidal and other water current converters - Part 300: Electricity producing river energy converters - Power performance assessment (identical national adoption of IEC TS 62600-300:2019)

ARESCA (American Renewable Energy Standards and Certification Association)

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

BSR/ARESCA 62600-301-202x, Marine energy - Wave, tidal and other water current converters - Part 301: River energy resource assessment (identical national adoption of IEC TS 62600-301:2019)

AWS (American Welding Society)

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

BSR/AWS A5.14/A5.14M-202x, Specification for Nickel and Nickel-Alloy Bare Welding Electrodes and Rods (revision of ANSI/AWS A5.14/A5.14M-2018)

AWS (American Welding Society)

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

BSR/AWS D9.1/D9.1M-202x, Sheet Metal Welding Code (revision of ANSI/AWS D9.1/D9.1M-2018)

AWS (American Welding Society)

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

BSR/AWS D14.6/D14.6M-202x, Specification for Welding of Rotating Elements of Equipment (new standard)

AWS (American Welding Society)

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

BSR/AWS D15.2/D15.2M-202x, Specification for Joining Railroad Rail and Related Rail Components (revision of ANSI/AWS D15.2/D15.2M-2022)

CSA (CSA America Standards Inc.)

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

BSR Z21.66-202x, Automatic damper devices for use with gas-fired appliances (same as CSA 6.14) (revision of ANSI Z21.66-2015 (R2020))

NEMA (National Electrical Manufacturers Association)

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

BSR/NEMA MG 60034-31-202x, Guidelines for the Selection of Motors Including Constant and Variable Speed Applications (national adoption with modifications of IEC 60034-31:2021 Edition 1.0)

NSF (NSF International)

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

BSR/NSF 40-202x (i56r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2022)

NSF (NSF International)

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

BSR/NSF 245-202x (i36r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2022)

NSF (NSF International)

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

BSR/NSF 350-202x (i79r1), Onsite Residential and Commercial Water Reuse Treatment Systems (revision of ANSI/NSF 350-2022)

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

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements. The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

AAMI (Association for the Advancement of Medical Instrumentation)

AARST (American Association of Radon Scientists and Technologists)

AGA (American Gas Association)

AGSC (Auto Glass Safety Council)

ASC X9 (Accredited Standards Committee X9, Incorporated)

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

ASME (American Society of Mechanical Engineers)

ASTM (ASTM International)

GBI (Green Building Initiative)

HL7 (Health Level Seven)

Home Innovation (Home Innovation Research Labs)

IES (Illuminating Engineering Society)

ITI (InterNational Committee for Information Technology Standards)

MHI (Material Handling Industry)

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

NCPDP (National Council for Prescription Drug Programs)

NEMA (National Electrical Manufacturers Association)

NFRC (National Fenestration Rating Council)

NISO (National Information Standards Organization)

NSF (NSF International)

PRCA (Professional Ropes Course Association)

RESNET (Residential Energy Services Network, Inc.)

SAE (SAE International)

TCNA (Tile Council of North America)

TIA (Telecommunications Industry Association)

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.

ADA (Organization)
American Dental Association
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Chicago, IL 60611
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AHRI
Air-Conditioning, Heating, and Refrigeration Institute
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Karl Best
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ANS
American Nuclear Society
555 North Kensington Avenue
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ARESCA
American Renewable Energy Standards and Certification Association
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ASABE
American Society of Agricultural and Biological Engineers
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Saint Joseph, MI 49085
https://www.asabe.org/

Carla Companion
companion@asabe.org

ASC X9
Accredited Standards Committee X9, Incorporated
275 West Street, Suite 107
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ASHRAE
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AWWA
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6666 W. Quincy Avenue
Denver, CO 80235
www.awwa.org

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

Debbie Chesnik
ansi.contact@csagroup.org

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

Karl Aittaniemi
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ISA (Organization)
International Society of Automation
3252 S. Miami Blvd, Suite 102
Durham, NC 27703
www.isa.org

Charley Robinson
crobinson@isa.org

ITI (INCITS)
InterNational Committee for Information Technology Standards
700 K Street NW, Suite 600
Washington, DC 20001
www.incits.org

Deborah Spittle
comments@standards.incits.org

NCPDP
National Council for Prescription Drug Programs
9240 East Raintree Drive
Scottsdale, AZ 85260
www.ncpdp.org

Margaret Weiker
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NEMA
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
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www.nema.org

Michael Leibowitz
mike.leibowitz@nema.org

NFPA
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169
www.nfpa.org

Dawn Michele Bellis
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NSF
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789 N. Dixboro Road
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SCTE
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Natasha Aden
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TAPPI
Technical Association of the Pulp and Paper Industry
15 Technology Parkway, Suite 115
Peachtree Corners, GA 30092
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Brittaney Lovett
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ULSE
UL Standards & Engagement
12 Laboratory Drive
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ULSE
UL Standards & Engagement
333 Pfingsten Road
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ULSE
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47173 Benicia Street
Fremont, CA 94538
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UL Standards & Engagement
9 Burlington Crescent
Ottawa, ON K1T3L
https://ulse.org/

Celine Eid
celine.eid@ul.org

ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Anaesthetic and respiratory equipment (TC 121)

ISO/DIS 18190, Anaesthetic and respiratory equipment - General requirements for airway devices and related equipment - 9/4/2023, $71.00

Ergonomics (TC 159)

ISO/DIS 9241-820, Ergonomics of human-system interaction - Part 820: Ergonomic guidance on interactions in immersive environments including augmented reality, and virtual reality - 9/3/2023, $107.00

Glass in building (TC 160)

ISO/DIS 20492-1, Glass in buildings - Insulating glass - Part 1: Durability of edge seals by climate tests - 9/4/2023, $102.00

ISO/DIS 20492-2, Glass in buildings - Insulating glass - Part 2: Chemical fogging tests - 9/1/2023, $67.00

ISO/DIS 20492-3, Glass in buildings - Insulating glass - Part 3: Gas concentration and gas leakage - 9/1/2023, $93.00

Graphic technology (TC 130)

ISO/DIS 12647-2, Graphic technology - Process control for the production of half-tone colour separations, proof and production prints - Part 2: Offset lithographic processes - 9/1/2023, $125.00

Implants for surgery (TC 150)

ISO/DIS 14607, Non-active surgical implants - Mammary implants - Specific requirements - 9/4/2023, $125.00

Nuclear energy (TC 85)

ISO/DIS 14146, Radiological protection - Criteria and performance limits for the periodic evaluation of dosimetry services - 9/4/2023, $77.00

Personal safety - Protective clothing and equipment (TC 94)

ISO/DIS 11999-4, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 4: Gloves - 9/7/2023, $71.00

ISO/DIS 11999-5, PPE for firefighters - Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures - Part 5: Helmets - 9/2/2023, $88.00

Petroleum products and lubricants (TC 28)

ISO/DIS 11982, Refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels - Liquefied Natural Gas (LNG) as marine fuel - Measurement on board LNG bunkering ship - 9/4/2023, $98.00

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

ISO/DIS 80369-6, Small bore connectors for liquids and gases in healthcare applications - Part 6: Connectors for neural applications - 9/4/2023, $93.00

Road vehicles (TC 22)

ISO/DIS 6041, Road vehicles - Glazing Materials - Method for the determination of optical characteristics of glazing camera zones - 9/7/2023, $58.00

Rolling bearings (TC 4)

ISO/DIS 3643, Rolling bearings - Ceramic rolling elements - Common vocabulary and characteristics of surface imperfections - 9/2/2023, $98.00

Ships and marine technology (TC 8)

ISO/DIS 30005, Ships and marine technology - Ship recycling management - Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations - 9/2/2023, $102.00

Transport information and control systems (TC 204)

ISO/DIS 23793-1, Intelligent transport systems - Minimal Risk Maneuver (MRM) for automated driving - Part 1: Framework, straight-stop and in-lane stop - 9/2/2023, $67.00

Water re-use (TC 282)

ISO/DIS 12370, Guidelines for treatment and reuse of fermentation-based pharmaceutical wastewater - 9/7/2023, $67.00

Welding and allied processes (TC 44)

ISO/DIS 12224-1, Solder wire, solid and flux cored - Specification and test methods - Part 1: Classification and performance requirements - 9/2/2023, $58.00

ISO/DIS 12224-2, Flux cored solder wire - Specification and test methods - Part 2: Determination of flux content - 9/7/2023, $33.00

IEC Standards

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

100/3955/NP, PNW 100-3955 ED1: User's Quality of Experience (QoE) on Multimedia Conferencing Services - Part 2: Requirement, 09/08/2023

100/3956/NP, PNW 100-3956 ED1: User's Quality of Experience (QoE) on Multimedia Conferencing Services - Part 3: Measurement method, 09/08/2023

100/3957/NP, PNW TS 100-3957 ED1: MULTIMEDIA SYSTEMS - HAPTICS - Haptics stimuli descriptors, 09/08/2023

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

46/942/CD, IEC 61935-4 ED1: Specification for the testing of balanced and coxial information technology cabling- Part 4: Installed balanced single pair cabling as specified in ISO/IEC 11801-1 and related standards, 09/08/2023

Documentation and graphical symbols (TC 3)

3D/397/CDV, IEC 61360-7 DB - Data dictionary of cross-domain concepts, 09/08/2023

Electric cables (TC 20)

20/2109/CDV, IEC 60227-5 ED4: Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords), 09/08/2023

Electric traction equipment (TC 9)

9/2961/CDV, IEC 62425 ED2: Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signalling, 09/08/2023

9/2965/CDV, IEC 62427 ED2: Railway applications - Compatibility between rolling stock and train detection systems, 09/08/2023

9/2962/CDV, IEC 63453 ED1: Railway applications - Current collection systems - Validation of simulation of the dynamic interaction between pantograph and overhead contact line, 09/08/2023

Electrical equipment in medical practice (TC 62)

62B/1318/CDV, IEC 60601-2-37 ED3: Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment, 09/08/2023

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

104/1007/CD, IEC 60068-3-14 ED1: Environmental testing - Part 3-14: Supporting documentation and guidance - Developing a climatic sequential test, 09/08/2023

Fibre optics (TC 86)

86A/2342/CD, IEC 60794-1-110 ED1: Optical fibre cables - Part 1-110: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Kink, Method E10, 09/08/2023

86A/2343/CD, IEC 60794-1-302 ED1: Optical fibre cables - Part 1-302: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions and geometry - Visual method, Method G2, 09/08/2023

86C/1867/CDV, IEC 62343-1/AMD1 ED2: Amendment 1 - Dynamic modules - Part 1: Performance standards - General conditions, 09/08/2023

86C/1868/CDV, IEC 62343-2-1/AMD1 ED1: Amendment 1 - Dynamic modules - Part 2-1: Reliability qualification - Test template, 09/08/2023

Fuses (TC 32)

32C/615/FDIS, IEC 60127-1 ED3: Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links, 07/28/2023

Hydraulic turbines (TC 4)

4/470/CDV, IEC 60308 ED3: Hydraulic turbines - Testing of governing systems, 09/08/2023

4/469/CDV, IEC 61362 ED3: Guide to specification of hydraulic turbine governing systems, 09/08/2023

Industrial-process measurement and control (TC 65)

65A/1100/NP, PNW TS 65A-1100 ED1: Artificial intelligence - Functional Safety and AI systems - Requirements, 09/08/2023

Insulating materials (TC 15)

15/1005/CDV, IEC 60684-3-116 ED4: Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose, 09/08/2023

Lamps and related equipment (TC 34)

34D/1697/DISH, IEC 60598-1/ISH1 ED9: Interpretation Sheet 1 - Luminaires - Part 1: General requirements and tests, 07/28/2023

34/1048/CDV, IEC 62386-104/AMD1 ED1: Amendment 1 - Digital addressable lighting interface - Part 104: General requirements - Wireless and alternative wired system components, 09/08/2023

34A/2361/CD, IEC 63356-2/AMD1 ED1: Amendment 1 - LED light source characteristics - Part 2: Design parameters and values, 09/08/2023

Laser equipment (TC 76)

76/734(F)/FDIS, IEC 60601-2-57 ED2: Medical electrical equipment - Part 2-57: Particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring, cosmetic and aesthetic use, 06/30/2023

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1080/CD, IEC 61097-7 ED2: Global maritime distress and safety system (GMDSS) - Part 7: Shipborne VHF radiotelephone transmitter and receiver - Operational and performance requirements, methods of testing and required test results, 09/08/2023

Measuring equipment for electromagnetic quantities (TC 85)

85/877(F)/FDIS, IEC 61557-13 ED2: Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems, 06/30/2023

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

113/775/CD, IEC TS 62607-2-6: Nanomanufacturing - Key control characteristics - Part 2-6: Carbon nanotube materials - Thermal diffusivity of vertically-aligned carbon nanotubes on solid substrates: flash method, 09/08/2023

113/776/NP, PNW TS 113-776 ED1: Nanomanufacturing - Reliability assessments - Part 3-4: Linearity of output characteristics for metal contacted 2D semiconductor devices, 09/08/2023

Nuclear instrumentation (TC 45)

45B/1039/CD, IEC 60761-1 ED3: Radiation protection instrumentation - Equipment for continuous monitoring of radioactivity in gaseous effluents - Part 1: General requirements, 09/08/2023

45A/1486/CD, IEC/IEEE 62582-1 ED2: Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 1: General, 09/08/2023

Overhead lines (TC 11)

11/294/CD, IEC 61284 ED3: Overhead lines - Requirements and tests for fittings, 09/08/2023

Performance of household electrical appliances (TC 59)

59M/158/CD, IEC 63169/AMD1 ED1: Amendment 1 - Electrical household and similar cooling and freezing appliances - Food preservation, 08/11/2023

Power electronics (TC 22)

22F/731/CDV, IEC 62501 ED2: Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission - Electrical testing, 09/08/2023

Safety of household and similar electrical appliances (TC 61)

61D/506/CDV, IEC 60335-2-40 ED8: Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers, 09/08/2023

Safety of measuring, control, and laboratory equipment (TC 66)

66/790/CD, IEC 61010-2-012 ED3: Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment, 09/08/2023

Semiconductor devices (TC 47)

47E/810/CD, IEC 60747-2 ED4: Semiconductor devices - Part 2: Discrete devices - Rectifier diodes, 09/08/2023

47E/811/CD, IEC 60747-6 ED4: Semiconductor devices - Part 6: Discrete devices - Thyristors, 09/08/2023

47E/809/NP, PNW 47E-809 ED1: Semiconductor devices - Part 14-12: Semiconductor sensors - Performance test methods for CMOS imager-based gas sensors, 09/08/2023

Surge arresters (TC 37)

37/491/NP, PNW 37-491 ED1: Surge Arc Suppressor - Part 1: Surge Arc Suppressor (SAS) devices to Protect Power Line Insulation of systems > 1kV a.c., 09/08/2023

SyCAAL

SyCAAL/302/NP, PNW SYCAAL-302 ED1: Cooperative multiple systems in connected home environments - AAL functional safety equirements of electronic safety-related systems, 07/14/2023

SyCSmartCities/295/NP, PNW TS SYCSMARTCITIES-295 ED1: Systems Reference Deliverable (SRD) Application of IEC SRD 63235 - Concept system building for energy challenge in smart city, 09/08/2023

SyCSmartCities/297/NP, PNW TS SYCSMARTCITIES-297 ED1: Gap Analysis on Standards Related to City Information Modelling and Urban Digital Twins, 09/08/2023

Tools for live working (TC 78)

78/1435/CD, IEC TR 61328 ED4: Live working - Guidelines for the installation of transmission and distribution line conductors and earth wires - Stringing equipment and accessory items, 09/08/2023

Wind turbine generator systems (TC 88)

88/959/CD, IEC TS 61400-50-4 ED1: Wind energy generation systems - Part 50-4: Use of floating lidars for wind measurements, 09/08/2023

ISO/IEC JTC 1, Information Technology

(JTC 1)

JTC1-SC25/3165/CD, ISO/IEC 10192-4-3: Information technology - Home Electronic System (HES) interfaces - Part 4 -3: Common user interface and cluster-to-cluster interface to support interworking among home cluster systems - Messaging, 08/11/2023

Newly Published ISO & IEC Standards

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

ISO Standards

Additive manufacturing (TC 261)

ISO/ASTM TR 52905:2023, Additive manufacturing of metals - Non-destructive testing and evaluation - Defect detection in parts, $263.00

Agricultural food products (TC 34)

ISO 27971:2023, Cereals and cereal products - Common wheat (Triticum aestivum L.) - Determination of Alveograph properties of dough at constant hydration from commercial or test flours and test milling methodology, $237.00

Aircraft and space vehicles (TC 20)

ISO 24245:2023, Space systems - Global navigation satellite system (GNSS) receiver class codes, $116.00

Cleaning equipment for air and other gases (TC 142)

IEC/PAS 63086-3-1:2023, $222.00

Health Informatics (TC 215)

ISO 29585:2023, Health informatics - Framework for healthcare and related data reporting, $210.00

Horology (TC 114)

IEC 60086-3:2021/Cor 1:2023, FREE

Nuclear energy (TC 85)

ISO 20785-3:2023, Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 3: Measurements at aviation altitudes, $116.00

Other

ISO 23702-1:2023, Leather - Per- and polyfluoroalkyl substances - Part 1: Determination of non-volatile compounds by extraction method using liquid chromatography, $157.00

Personal safety - Protective clothing and equipment (TC 94)

ISO 13997:2023, Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects, $157.00

Pigments, dyestuffs and extenders (TC 256)

ISO 3262-4:2023, Extenders - Specifications and methods of test - Part 4: Whiting, $51.00

ISO 3262-5:2023, Extenders - Specifications and methods of test - Part 5: Natural crystalline calcium carbonate, $51.00

Plain bearings (TC 123)

ISO 3547-2:2023, Plain bearings - Wrapped bushes - Part 2: Test data for outside and inside diameters, $77.00

ISO 12167-1:2023, Plain bearings - Hydrostatic plain journal bearings with drainage grooves under steady-state conditions - Part 1: Calculation of oil-lubricated plain journal bearings with drainage grooves, $183.00

Plastics (TC 61)

ISO 4504:2023, Plastics - Polyethylene (PE) - Determination of co-monomer content by solution state 13C-NMR spectrometry, $157.00

ISO 17710:2023, Plastics - Polyols for use in the production of polyurethanes - Determination of degree of unsaturation by microtitration, $77.00

Rubber and rubber products (TC 45)

ISO 11346:2023, Rubber, vulcanized or thermoplastic - Estimation of life-time and maximum temperature of use, $157.00

ISO 22640:2023, Rubber - Framework for physical and chemical characterization of tyre and road wear particles (TRWP), $77.00

Ships and marine technology (TC 8)

ISO 4679:2023, Ships and marine technology - Hydraulic performance tests for waterjet propulsion system, $116.00

Starch (including derivatives and by-products) (TC 93)

ISO 8355:2023, Starch acetates - Specifications and test methods, $77.00

Surface chemical analysis (TC 201)

ISO 18115-1:2023, Surface chemical analysis - Vocabulary - Part 1: General terms and terms used in spectroscopy, $51.00

Terminology (principles and coordination) (TC 37)

ISO 24495-1:2023, Plain language - Part 1: Governing principles and guidelines, $116.00

Thermal insulation (TC 163)

ISO 22097:2023, Thermal insulation for buildings - Reflective insulation products - Determination of thermal performance, $183.00

Tractors and machinery for agriculture and forestry (TC 23)

ISO 5676:2023, Tractors and machinery for agriculture and forestry - Hydraulic coupling - Braking circuit, $51.00

ISO 9467:2023, Exhaust system for multi position small engine machines - Test procedures and performance requirements for spark arrestors, $77.00

ISO Technical Reports

Road vehicles (TC 22)

ISO/TR 5262:2023, Motorcycles - Guideline for verification of total running resistance force during mode running on a chassis dynamometer, $116.00

ISO/TR 9968:2023, Road vehicles - Functional safety - Application to generic rechargeable energy storage systems for new energy vehicle, $157.00

ISO Technical Specifications

Biotechnology (TC 276)

ISO/TS 9491-1:2023, Biotechnology - Predictive computational models in personalized medicine research - Part 1: Constructing, verifying and validating models, $183.00

Photography (TC 42)

ISO/TS 22028-5:2023, Photography and graphic technology - Extended colour encodings for digital image storage, manipulation and interchange - Part 5: High dynamic range and wide colour gamut encoding for still images (HDR/WCG), $157.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 27036-3:2023, Cybersecurity - Supplier relationships - Part 3: Guidelines for hardware, software, and services supply chain security, $183.00

ISO/IEC 15944-16:2023, Information technology - Business operational view - Part 16: Consolidated set of the rules and guidelines identified in ISO/IEC 15944 Business Operational View standards and their IT-enablement, $263.00

IEC Standards

Instrument transformers (TC 38)

IEC 61869-1 Ed. 2.0 b:2023, Instrument transformers - Part 1: General requirements, $481.00

Other

CISPR 16-2-3 Amd.2 Ed. 4.0 b:2023, Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, $51.00

CISPR 16-2-3 Ed. 4.2 b:2023, Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements, $974.00

Solar photovoltaic energy systems (TC 82)

IEC 60904-2 Ed. 4.0 b:2023, Photovoltaic devices - Part 2: Requirements for photovoltaic reference devices, $145.00

IEC 60904-2 Ed. 4.0 en:2023 CMV, Photovoltaic devices - Part 2: Requirements for photovoltaic reference devices, $248.00

Surface mounting technology (TC 91)

IEC 61249-6-3 Ed. 1.0 b:2023, Materials for printed boards and other interconnecting structures - Part 6-3: Sectional specification set for reinforcement materials - Specification for finished fabric woven from “E” glass for printed boards, $190.00

IEC Technical Specifications

Ultrasonics (TC 87)

IEC/TS 62903 Ed. 2.0 en:2023, Ultrasonics - Measurements of electroacoustical parameters and acoustic output power of spherically curved transducers using the self-reciprocity method, $367.00

S+ IEC/TS 62903 Ed. 2.0 en:2023 (Redline version), Ultrasonics - Measurements of electroacoustical parameters and acoustic output power of spherically curved transducers using the self-reciprocity method, $477.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 108 – Mechanical vibration, shock and condition monitoring

Reply Deadline: July 14, 2023

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 108 – *Mechanical vibration, shock and condition monitoring* . ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 108 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 108 operates under the following scope: *Standardization in the fields of mechanical vibration and shock and the effects of vibration and shock on humans, machines, vehicles (air, sea, land and rail) and stationary structures, and of the condition monitoring of machines and structures, using multidisciplinary approaches.*

Specific areas of current interest include the standardization of: terminology and nomenclature in the fields of mechanical vibration, mechanical shock and condition monitoring; measurement, analysis and evaluation of vibration and shock e.g. signal processing methods, structural dynamics analysis methods, transducer and vibration generator calibration methods, etc.; active and passive control methods for vibration and shock, e. g. balancing of machines, isolation and damping; evaluation of the effects of vibration and shock on humans, machines, vehicles (air, sea, land and rail), stationary structures and sensitive equipment; vibration and shock measuring instrumentation, e.g. transducers, vibration generators, signal conditioners, signal analysis instrumentation and signal acquisition systems; measurement methods, instrumentation, data acquisition, processing, presentation, analysis, diagnostics and prognostics, using all measurement variables required for the condition monitoring of machines; training and certification of personnel in relevant areas.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 108. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:1) The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat; 2) the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function; 3) the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and 4) ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 108 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by July 14, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 43/SC 3 – Underwater acoustics

Reply Deadline: July 14, 2023

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 43/SC 3 – *Underwater acoustics* . ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 43/SC 3 to the Acoustical Society of America (ASA). ASA has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 43/SC 3 operates under the following scope:

Development of standards in the field of Underwater acoustics within the scope of ISO/TC 43 Acoustics:

Standardization in the field of acoustics, including methods of measuring acoustical phenomena, their generation, transmission and reception, and all aspects of their effects on man and his environment. Excluded : electro-acoustics and the implementation of specifications of the characteristics of measuring instruments for acoustic purposes.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 43/SC 3. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

1. The affected interests have made a financial commitment for not less than three years covering all defined costs incurred by ANSI associated with holding the Secretariat;
2. the affected technical sector, organizations or companies desiring that the U.S. hold the Secretariat request that ANSI perform this function;
3. the relevant U.S. TAG has been consulted with regard to ANSI's potential role as Secretariat; and
4. ANSI is able to fulfill the requirements of a Secretariat.

If no U.S. organization steps forward to assume the ISO/TC 43/SC 3 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by July 14, 2023, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

Information concerning the United States retaining the role of international Secretariat may be obtained by contacting ANSI's ISO Team (isot@ansi.org).

International Organization for Standardization (ISO)

ISO New Work Item Proposal

Sustainable Raw Materials

Comment Deadline: June 30, 2023

DIN, the ISO member body for Germany, has submitted to ISO a new work item proposal for the development of an ISO standard on Sustainable Raw Materials, with the following scope statement:

This document specifies criteria for sustainable raw materials along industry best practices and is intended to be used for mineral-, raw iron- and non-iron-metals. It is applicable to the full value chain of all raw materials, from extraction (mining) to processing, to refining, to final product manufacturing, thereby including the full upstream and downstream value chain. It does not apply to the mine closure and/or mine reclamation stage activities as these stages are not considered integral parts of the value chain.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on **Friday, June 30, 2023**.

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.

BSR/ASHRAE Addendum a
to ANSI/ASHRAE Standard 15-2022

Second Public Review Draft

Proposed Addendum a to Standard 15-2022, Safety Standard for Refrigeration Systems

Second Public Review (June 2023)
(Draft shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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

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

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FOREWORD

In 2019, ASME introduced a newly created Section XIII as part of its longstanding Boiler and Pressure Vessel Code. The newly created Section XIII relocates requirements for pressure relief devices that existed in other divisions within the code. Section VIII, Division 1 retained requirements for overpressure protection for ASME rated vessels and equipment.

This proposed addendum revises related portions of ANSI/ASHRAE Standard 15 for overpressure protection to appropriately reference to the changes in overpressure protection in the ASME Boiler and Pressure Vessel Code.

Note: This public review draft of addendum *a* makes proposed independent substantiative changes to the previous public review draft. These substantive changes to the previous public review draft and related changes to Standard 15-2022 are indicated by blue-colored text with double-underlining (for additions) and red-colored text with ~~strikethrough~~ (for deletions), except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard shown in blue or red text are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum a to Standard 15-2022

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

9. DESIGN AND CONSTRUCTION OF EQUIPMENT AND SYSTEMS

[…]

9.4 Pressure Relief Protection

[…]

9.4.2* *Pressure vessels shall* be protected in accordance with Section 9.7. *Pressure relief devices* are acceptable if they either bear a nameplate or are directly marked with a "UD", "UV", or "VR" symbol signifying compliance with *ASME Boiler and Pressure Vessel Code*[15], Section XIII.~~Section VIII.~~

[…]

Modify Informative Appendix A as follows. The remainder of Informative Appendix A remains unchanged.

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

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number.

[…]

Section 9.4.2

The National Board of Boiler and Pressure Vessel Inspectors (Columbus, Ohio, USA) offers the Certificate of Authorization and VR Stamp for the repair of *pressure relief valves.*

Addendum d to ANSI/ASHRAE Standard 30-2019

Public Review Draft

Method of Testing Liquid Chillers

First Public Review (June 2023)
(Draft shows Proposed Changes to Current Standard)

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

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Standard 30-2019 Addendum d.
Standard Method of Testing Liquid Chillers

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

FOREWORD

The purpose of Addendum d to Standard 30-2019 is to align the stability requirements in the standard with the measurements supporting the purpose of the test. The purposes of the test include measurement of thermal capacity and energy efficiency. The current standard requires stability on the entering and leaving temperatures which do not ensure stability of the capacity. This addendum would replace the stability criteria that is on the entering liquid with a stability of the temperature difference for temperature differences used to calculate capacity. This addendum will also allow for a greater tolerance on stability at capacities lower than the rated capacity of the unit.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum d to Standard 30-2019

In Section 6 Table 6-6, delete the portion of Table 6-6 on pages 4 & 5 of Addendum b and replace with the following.

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

Measurement or Calculation Result		Applicable Operating Mode(s)	Values Calculated from Data Samples		Operating Condition Tolerance Limits	Stability Criteria
			Mean	Std Dev		
Net Capacity (Cooling or Heating)		Cooling, Heating, Heat Recovery	$\bar{Q}$	-	Unit with Continuous Unloading: Part Load test capacity shall be within 2% of the target part-load capacity [a] $\frac{\left\|\bar{Q} - Q_{Target}\right\|}{Q_{100\%}} \leq 2.000\%$	No requirement
					Units with Discrete Capacity Steps: Part Load test points shall be taken as close as practical to the specified part-load rating points as stated in the test plan.	
Evaporator	Entering Liquid Temperature	Cooling	$\bar{T}$	s_T	No requirement	No Requirement
	Leaving Liquid Temperature				$\left\|\bar{T} - T_{Target}\right\| \leq 0.25\ \Delta°C[0.50\Delta°F]$	$s_T \leq 0.10°C\ [0.18\ °F]$
	Liquid Temperature Difference				No Requirement	$\frac{s_{\Delta T}}{\Delta\bar{T}} \leq 1.500\% \left(\frac{Q_{100\%}}{Q_{target}}\right)$
Condenser	Entering Liquid Temperature				$\left\|\bar{T} - T_{Target}\right\| \leq 0.25\ \Delta°C[0.50\Delta°F]$	$s_T \leq 0.10°C\ [0.18\ °F]$
	Leaving Liquid Temperature				No Requirement	No Requirement

a. The ±2.0% tolerance shall be calculated as 2.0% of the full load rated capacity (kW). For example, a nominal 50.0% part-load point shall be tested between 48.0% and 52.0% of the full-load capacity to be used directly for IPLV.SI and NPLV.SI calculations. Outside this tolerance, interpolation shall be used.
b. The heat portion shall apply when the unit is in the heating mode, except for the first ten minutes after terminating a defrost cycle. The defrost portion shall include the defrost cycle plus the first ten minutes after terminating the defrost cycle.
c. When computing average air temperatures for heating mode tests, omit data samples collected during the defrost portion of the cycle.
d. For electrically driven machines, voltage and frequency shall be maintained at the nameplate rating values within tolerance limits and stability criteria on voltage and frequency when measured at the locations specified in Section 6.3.1.7. For dual nameplate voltage ratings, tests shall be performed at the lower of the two voltages.
e. For steam turbine and gas turbine drive machines the pressure shall be maintained at the nameplate rating values within the tolerance limits.
f. For speed-controlled compressors, the speed shall be maintained at the nameplate rating value within the tolerance limits.

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

Measurement or Calculation Result		Applicable Operating Mode(s)	Values Calculated from Data Samples		Operating Condition Tolerance Limits	Stability Criteria
			Mean	Std Dev		
Evaporator	Entering Liquid Temperature [b]	Heating, Heat Recovery	$\bar{T}$	s_T	Heating Portion: No requirement Defrost Portion: $\left\|\bar{T} - T_{Target}\right\| \leq 1.11\ \Delta°C[2.00\Delta°F]$	Heating portion: $s_T \leq 0.10°C\ [0.18\ °F]$ Defrost portion: $s_T \leq 0.28°C\ [0.50\ °F]$
	Leaving Liquid Temperature [b]				Heating portion: $\left\|\bar{T} - T_{Target}\right\| \leq 0.28\ \Delta°C[0.50\Delta°F]$ Defrost portion: No requirement	Heating portion: No Requirement Defrost portion: No Requirement
Condenser	Leaving Liquid Temperature				$\left\|\bar{T} - T_{Target}\right\| \leq 0.28\ \Delta°C[0.50\Delta°F]$	$s_T \leq 0.10\ °C[0.18°F]$
	Entering Liquid Temperature				No Requirement	No Requirement
	Liquid Temperature Difference				No Requirement	$\frac{s_{\Delta T}}{\Delta\bar{T}} \leq 1.500\% \left(\frac{Q_{100\%}}{Q_{target}}\right)$
Evaporator or Condenser	Entering Air Mean Dry Bulb Temperature	Cooling, Heating (nonfrosting)	$\bar{T}$	s_T	$\left\|\bar{T} - T_{Target}\right\| \leq 0.56\ \Delta°C[1.00\Delta°F]$	$s_T \leq 0.42\ °C[0.75°F]$
		Heating (frosting)[c]			Heating Portion: $\left\|\bar{T} - T_{Target}\right\| \leq 1.1\ \Delta°C[2.00\Delta°F]$	Heating Portion: $s_T \leq 0.56\ °C[1.00°F]$
					Defrost Portion: No Requirement for $\bar{T}$	Defrost Portion: $s_T \leq 1.39\ °C[2.50°F]$
	Entering Air Mean Wet Bulb Temperature	Cooling, Heating (nonfrosting)			$\left\|\bar{T} - T_{Target}\right\| \leq 0.56\ \Delta°C[1.00\Delta°F]$	$s_T \leq 0.28°C\ [0.50\ °F]$
		Heating (frosting)[c]			Heating Portion: $\left\|\bar{T} - T_{Target}\right\| \leq 0.83\ \Delta°C[1.50\Delta°F]$	
					Defrost Portion: No Requirement for $\bar{T}$	

a. The ±2.0% tolerance shall be calculated as 2.0% of the full load rated capacity (kW). For example, a nominal 50.0% part-load point shall be tested between 48.0% and 52.0% of the full-load capacity to be used directly for IPLV.SI and NPLV.SI calculations. Outside this tolerance, interpolation shall be used.

b. The heat portion shall apply when the unit is in the heating mode, except for the first ten minutes after terminating a defrost cycle. The defrost portion shall include the defrost cycle plus the first ten minutes after terminating the defrost cycle.

c. When computing average air temperatures for heating mode tests, omit data samples collected during the defrost portion of the cycle.

d. For electrically driven machines, voltage and frequency shall be maintained at the nameplate rating values within tolerance limits and stability criteria on voltage and frequency when measured at the locations specified in Section 6.3.1.7. For dual nameplate voltage ratings, tests shall be performed at the lower of the two voltages.

e. For steam turbine and gas turbine drive machines the pressure shall be maintained at the nameplate rating values within the tolerance limits.

f. For speed-controlled compressors, the speed shall be maintained at the nameplate rating value within the tolerance limits.

(DRAFT, May 19, 2023)

ANSI/AWWA C301a-XX
Addendum to
ANSI/AWWA C301-14(R19)
Standard
For

Prestressed Concrete Pressure Pipe, Steel-Cylinder Type

Effective Date: _____.
Approved by AWWA Board of Directors _____.
Approved by American National Standards Institute _____.

In Section 2: References, remove references to ASTM A283 and ASTM A285, and add reference to ASTM A572 and ASTM C595:

~~ASTM A283/A283M—Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates.~~

~~ASTM A285/A285M—Standard Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strengths.~~

ASTM A572/A572M—Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel.

ASTM C595—Standard Specification for Blended Hydraulic Cements.

In Section 4.4.1.1, Cement, Type, clarify text regarding use of ground granulated blast-furnace slag. The resulting changes are shown below:

4.4.1.1 Type. Cement ~~for~~ used in concrete, mortar, and slurry shall conform to ASTM C150~~. Either~~ type I or type II, or ASTM C595, Type IL. ~~may be used unless the purchaser specifies a particular type.~~ Unless otherwise specified by the purchaser, raw or calcined natural pozzolan~~,~~ or fly ash, or ~~silica fume~~ slag cement may be used as a partial cement replacement for concrete in the pipe core only. If pozzolanic materials are used, not ~~more~~ less than ~~20~~ 10 percent and not more than 20 percent of the cement, by weight, may be replaced by pozzolanic materials. ~~If silica fume is used, not more than 10 percent of the cement, by weight, may be replaced by~~

~~silica fume.~~ The pozzolanic materials shall conform to ASTM C618, except that loss on ignition shall not exceed 4 percent. ~~Silica fume shall conform to ASTM C1240.~~ If slag cement is used, not more than 20 percent of the cement by weight may be replaced by slag cement. The slag cement shall conform to the requirements of Grade 100 or 120 of Specification ASTM C989/C989M. Sampling and testing shall conform to the individual ASTM specifications designated therein.

In Section 4.4.7.1 Steel for cylinder and fittings, General, increase the minimum yield strength of steel for fittings to 36,000 psi (248.2 MPa). The resulting changes are shown below:

4.4.7.1 General. The steel used in the manufacture of cylinders for pipe and fittings shall have a minimum yield strength of 36,000 psi (248.2 MPa). ~~The steel used in the manufacture of fittings shall have a minimum yield strength equal to or greater than twice the circumferential steel stress at working pressure used in fittings design or 30,000 psi (207 MPa), whichever is greater.~~

In Section 4.4.7.3 Steel for cylinder and fittings, Steel plates, remove reference to ASTM A283 and ASTM A285, and add reference to ASTM A572. The resulting changes are shown below:

4.4.7.3 Steel plates. Steel plates shall conform to ~~ASTM A283, ASTM A285, or~~ ASTM A36 or ASTM A572.

In Section 4.4.9.1 Steel for joint rings, General, increase the minimum yield strength to 36,000 psi (248.2 MPa). The resulting changes are shown below:

4.4.9.1 General. The grade of steel used in the manufacture of bell rings for pipe and fittings shall have a minimum required yield strength of ~~30,000~~ 36,000 psi (~~207~~ 248.2 MPa)~~., and for fittings shall be equal to or greater than twice the circumferential steel stress resulting from the working pressure used in fittings design or 30,000 psi (207 MPa), whichever is greater.~~ The joint-ring steel shall have a minimum elongation of 20 percent in a 2-in. (50-mm) gauge length. The requirements of Sec. 4.4.7.5 (physical properties) shall apply.

In Section 4.4.9.3 Steel for joint rings, Steel plates, bars and special sections, remove reference to ASTM A283, and add reference to ASTM A572. The resulting changes are shown below:

4.4.9.3 Steel plates, bars, and special sections. Special shapes for bell joint rings and spigot joint rings and steel plate ~~and bars~~ for bell rings shall conform to ~~ASTM A283;~~ ASTM A36/A36M; ASTM A572/A572M; ASTM A575, grades M1012 or M1015; ~~ASTM A663, grade 50;~~ ASTM A576, grades 1012 or 1015; ASTM A663/A663M, grade 65; or ASTM A675/A675M (leaded steel excluded), grade ~~50~~75, except that the carbon content shall not exceed 0.25 percent as shown by heat analysis.~~; or ASTM A36.~~

In Section 4.6.5.2, Concrete for pipe core, Proportioning, clarify text regarding use of ground granulated blast-furnace slag. The resulting changes are shown below:

4.6.5.2 Proportioning. The proportions of cement, fine aggregate, coarse aggregate, admixture, and water used in concrete for pipe cores shall be determined and controlled as the work proceeds to result in homogenous, workable concrete adhering to the requirements in this standard and in ANSI/AWWA C304. A minimum of 560 lb (254 kg) of cement shall be used for each 1 yd^3 (0.76 m^3) of concrete. Unless otherwise specified by the purchaser, ~~up to 20 percent of the cement (by weight) may be replaced with pozzolanic materials or up to 10 percent of the cement (by weight) may be replaced with silica fume and if locally available,~~ raw or calcined natural pozzolan, fly ash, silica fume, or ground granulated blast-furnace slag may be used as a cement replacement by weight for concrete in the pipe core only in accordance with Sec. 4.4.1.1. The water–cementitious material ratio shall be such that the concrete will meet the strength requirements, but in no case shall the ratio exceed 0.5 for concrete placed by the centrifugal process, or 0.45 for concrete placed by the vertical cast or radial compaction process. The water-soluble chloride ion (Cl^-) content of the concrete mix, expressed as a percentage of the weight of cement, shall not exceed 0.06 percent.

In Section 4.6.7.3, Portland-cement slurry, remove word portland. The resulting changes are shown below:

4.6.7.3 ~~Portland c~~Cement slurry. As the circumferential prestressing wire is wound, a ~~portland~~ cement slurry composed of not less than 94 lb (43 kg) of cement to 8 gal (30 L) of water shall be applied so that the portion of the wire bearing against the core (including any

previously applied mortar-coated wire layers) will be coated with cement slurry. The slurry application rate shall be not less than 1 gal (3.8 L) per 100 ft^2 (9.3 m^2). A retardant may be used in the mix unless not permitted by the purchaser's specifications. Immediately prior to the placement of the cement slurry, loose mill scale, excessive rust, oil, grease, and other foreign substances shall be removed from surfaces to receive the cement slurry. The core surface temperature shall be at least 35°F (2°C) at time of wrapping.

In Section 4.6.8.2, Cement mortar, remove word portland. The resulting changes are shown below:

4.6.8.2 Mortar coating. Batch proportions of mortar for coating shall consist of one part ~~portland~~ cement to not more than three parts fine aggregate, by weight. The moisture content of a sample of coating taken from the mixer shall not be less than 7 percent of the total dry weight of the mix. Cement and fine aggregate shall conform to Sec. 4.4.1 and Sec. 4.4.2. Rebound not exceeding one-fourth of the total mix weight may be used as replacement material for fine aggregate only. Rebound not used within 1 hr shall be discarded. The mortar shall be mixed thoroughly, and after mixing is completed, it shall be deposited by impact so that a dense, durable encasement is obtained. The water-soluble chloride ion (Cl^-) content of the mortar-coating mix, expressed as a percentage of the weight of cement, shall not exceed 0.06 percent. Concurrently with the mortar coating, a cement slurry consisting of not less than 94 lb (43 kg) of cement to not more than 8 gal (30.3 L) of water shall be applied to the core (including any previously applied mortar-coated wire layers) at the rate of not less than 1 gal (3.8 L) per 100 ft^2 (9.3 m^2) just before the mortar coating. The manufacturing procedure shall prevent freezing until the coating curing described in Sec. 4.6.9 has been completed.

In Section 4.7.2.1 Fittings, Design, increase the allowable steel stress to 18,000 psi (124.1 MPa). The resulting changes are shown below:

4.7.2.1 Design. The allowable circumferential steel stress used in the design of fittings shall not exceed ~~16,500 psi (114 MPa)~~ 18,000 psi (124.1 MPa) when the fitting is subjected to the working pressure as defined in Section 3. If the bending radius to the centerline of a bend is less than 2½ times the nominal pipe diameter, the plate thickness, based on the maximum allowable circumferential stress of ~~16,500 psi (114 MPa)~~ 18,000 psi (124.1 MPa), shall be increased to

account for the stress concentration on the inside radius of the bend. (Refer to AWWA Manual M9 for additional information.) The minimum steel sheet or plate thickness shall be as shown in Table 1 when supplemental structural steel reinforcement is not used. Openings in fittings shall be reinforced by collars, wrappers, or crotch plates if required by the design. Stiffener rings may be used to increase the stiffness of fittings. The manufacturer's designs may use supplemental external reinforcing cages.

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

NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems

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8 Performance testing and evaluation

This section describes the methods used to evaluate the performance of residential wastewater treatment systems. Systems shall be designated as Class I or Class II. The performance classification shall be based upon the evaluation of effluent samples collected from the system over a 6-mo period.

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8.2 Testing and evaluation conditions, hydraulic loading, and schedules

8.2.1 Influent wastewater characteristics

The 30-d average wastewater characteristics delivered to the system over the course of the testing shall fall within:

- BOD_5: 100 to 300 mg/L;
- TSS: 100 to 350 mg/L; and
- alkalinity: ≥ 175 mg/L as $CaCO_3$.

The raw influent shall be supplemented with sodium bicarbonate to meet the required influent alkalinity.

8.2.2 Hydraulic loading and schedules

The performance of the system shall be evaluated for 26 consecutive weeks. During the testing and evaluation period, the system shall be subjected to 16 wk ± 1 wk of design loading, followed by 7.5 wk (52 d) of stress loading, and then an additional ~~2.5 wk (18 d) of design loading~~ period of design loading to complete the 26 consecutive week evaluation period.

8.2.2.1 Design loading

The system shall be dosed 7 d/wk with a wastewater volume equivalent to the daily hydraulic capacity of the system. The following schedule shall be adhered to for dosing:

Time frame	Rated daily hydraulic capacity (%)
6:00 a.m. to 9:00 a.m.	approximately 35
11:00 a.m. to 2:00 p.m.	approximately 25
5:00 p.m. to 8:00 p.m.	approximately 40

The individual dosage shall be no more than 10 gal per dose, unless the dosage system is based on a continuous flow and be uniformly applied over the dosing periods.

8.2.2.2 Stress loading

Stress loading sequences shall begin in Week 17 ± 1 wk of the testing and will be completed in the order listed in the following sections. Each stress sequence shall be separated by 7 d of design loading, as described in Section 8.2.2.1.

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BSR/UL 50, Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations

1. The Proposed Fourteenth Edition of the Standard for Safety for Enclosures for Electrical Equipment, Non-Environmental Considerations, UL 50

PROPOSAL

6.3.3 Ventilation

6.3.3.1 ~~Type 1, 2, 3R, and 3RX enclosures may be ventilated.~~ Ventilated enclosures shall comply with NMX-J-235/2-ANCE/CSA C22.2 No. 94.2/UL 50E, Clause 7.3.5.1.

7.8 Ventilated ~~Type 1, 2, 3R, or 3RX~~ enclosures

7.8.1 Ventilated ~~Type 1, 2, 3R, or 3RX~~ enclosures in which the equipment to be installed is not known, and in which compliance with Clause 8.9 depends upon the location of such equipment, shall be marked to indicate the area in which live parts are to be installed.

8.12 Cover pull test

8.12.1 For tests permitted by Clause 9.2.3, a ~~A~~ cover that is fastened as intended to a fully assembled box shall not permit an opening of 12.7mm (1/2 inch) or greater to be created between the cover and the box, when subjected to a 156 N (35 lb) pull force (see Figure 16).

8.13 Side wall deflection test

8.13.1 For tests permitted by Clause 9.2.3, the ~~The~~ side walls of a box, when fully assembled and fastened to a cover, shall not permit an opening of 12.7mm (1/2 inch) or greater to be created between the cover and the box, when subjected to a 220 N (49.5 lb) pull force.

G1 General

G1.1 The equipment shall withstand the impact described in G2.1 or G2.2, whichever is applicable. Equipment intended for outdoor and indoor equipment intended for use in cold locations shall be conditioned as described in G3 and subject to the test in G2.1 or G2.2, whichever is applicable.

G4 Impact test results

G4.1 After the impact test in G2.1 or G2.2, the equipment shall not:

a) Make the uninsulated live parts accessible to contact (use the accessibility probe of the product standard for this evaluation), ~~or~~

b) Produce a condition that might affect the mechanical performance of the equipment; or

c) Produce a condition that would increase the likelihood of an electric shock.

With reference to (b), cracking or denting of the enclosure ~~is~~ shall not ~~to~~ affect the function of any safety controls or constructional features such as thermostats, overload protective devices, water seals, or strain relief. Cracking or denting of the enclosure ~~is~~ shall not ~~to~~ result in exposure of moving parts capable of causing injury to persons.

With reference to (c), the equipment is to comply with the dielectric voltage-withstand requirements applicable to the equipment after being subjected to the impact.

BSR/UL 50E, Standard for Safety for Enclosures for Electrical Equipment, Environmental Considerations

1. Sealing Compound at Joints or Seams

PROPOSAL

7.8 Factory-applied ~~S~~sealing compounds

7.8.1 A sealing compound that is ~~provided~~ factory-applied on a Type 2, 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 5, 6, 6P, 12, ~~or~~ 12K, or 13 enclosure and is relied upon to comply with the design tests of this standard shall ~~only~~ be applied to the inside cavity of an enclosure, including at joints or seams or openings.

Note 1: This requirement, prior to the sealant compound curing or hardening, does not preclude untrimmed seepage through the joints seams or openings to the enclosure's exterior during the factory application, nor does this requirement preclude factory-applied sealant by encapsulation from the exterior.

Note 2: This requirement does not address field-application of sealant compounds in accordance with manufacturer's installation instructions.

2. Adhesives that Bond Surfaces

PROPOSAL

8.17.2 Clause E2.2.4 is not applicable for sealants. Clause E2.2.5 shall be used for sealant~~s used on polymeric materials and metal.~~ applications for the materials described in E2.2.5.1.

4. Ancillary Rating for Power Wash – PW

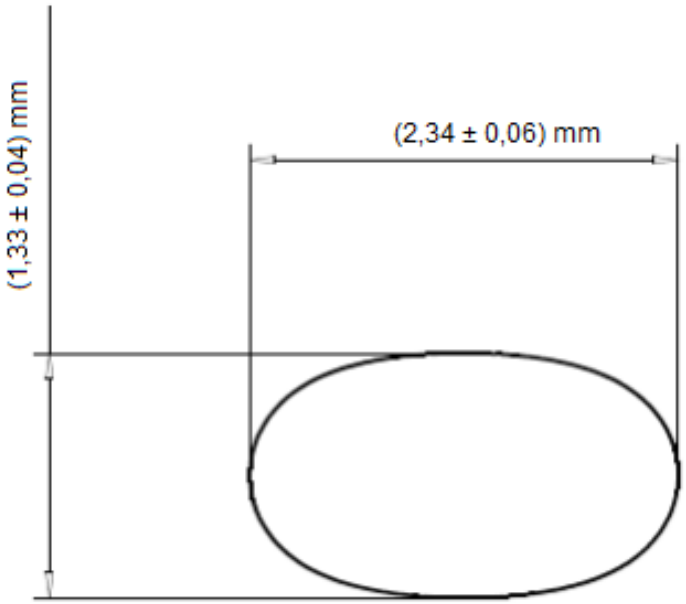
PROPOSAL

~~8.18.1.1 The recommended atmospheric conditions during the tests are as follows:~~
~~Temperature range: 15°C to 35°C~~
~~Relative humidity: 25% to 75%~~
~~Air pressure: 86 kPa to 106 kPa (860 mbar to 1,060 mbar)~~

8.18.1.1 The ambient temperature range during the tests shall be 15°C to 35°C.

Figure 5
Fan jet nozzle resulting dimensions of spraying hole for checking purpose

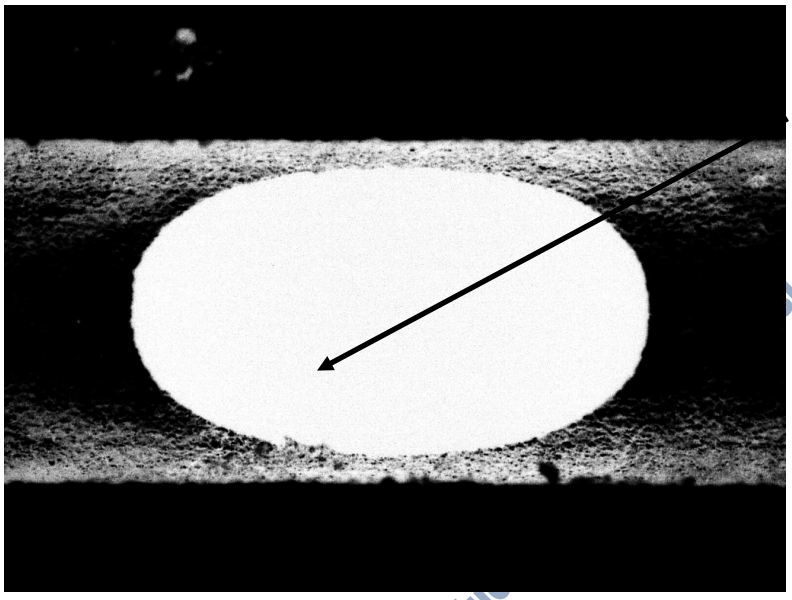
Dimensions in millimeters



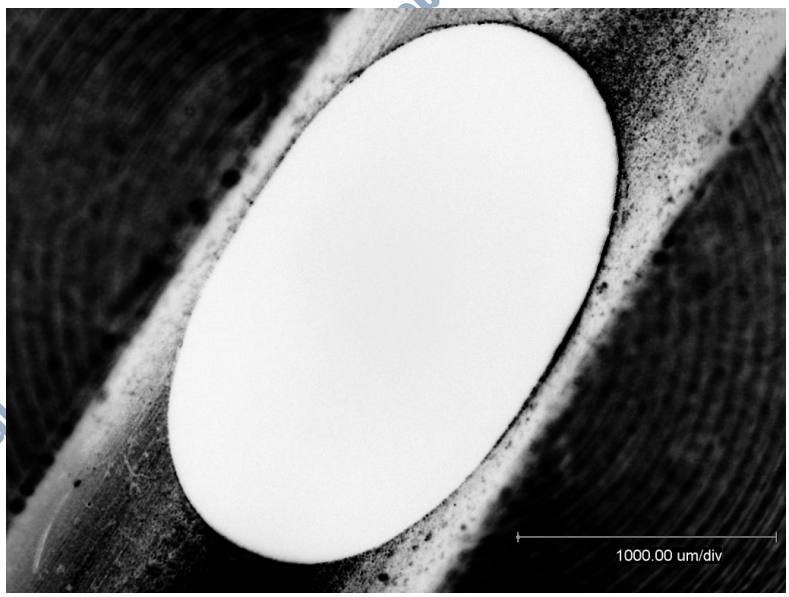
~~Note: A magnification of 100 times the edge of the nozzle should show a regular profile (see for example Figure 6).~~

~~Figure 6~~
~~Example of different quality achievements of the surface finish of the fan jet nozzle~~

~~Bad surface finish~~



~~Good surface finish~~



BSR/UL 67, Standard for Safety for Panelboards

1. Revision of Service Equipment Requirements for Panelboards

PROPOSAL

5.47A METER CENTER (METERING CENTERS) – A panelboard or enclosed panelboard that contains one or more meter sockets.

6.2.2 For the purpose of determining the number of disconnects as required in 6.4.2 and 6.4.2A, ~~Disconnects~~ disconnects on the supply side of the service disconnecting means, as permitted in 6.2.1, shall not be ~~considered~~ counted as a service disconnect. Disconnects and overcurrent protection on the supply side of the service disconnecting means that comply with (a), (b), and (c) below may be located behind a deadfront or screwed-on cover, if:

a) The disconnect or overcurrent protective device is installed as part of the equipment;

b) The circuit being controlled is contained within the panelboard enclosure; and

c) The panelboard is marked in accordance with 34.9.10.

2. Inclusion of Requirements for Field Installable Panelboard Accessories in Paragraphs 5.1A (New), 28.1 and 34.1.27 (New), and Subsections 6.6, 6.7, and 34.12

PROPOSAL

34.12.1A Panelboard accessories or equipment that are specified by the panelboard manufacturer but shipped from the factory separately from the panelboard, and for which the panelboard is not marked with the name or trademark of the manufacturer and the catalog number of the accessory, shall be permitted when marked as follows:

a) The accessory or equipment shall be marked with its own catalogue number or the equivalent, with the name or trademark of the manufacturer, and with the electrical rating, except that when physical space does not permit permanent marking on the accessory or equipment and the accessory or equipment is marked with some identification that can be referenced, a removable tag or alternate marking means may be used.

b) Instructions shall be furnished with the accessory or equipment indicating the panelboards with which the accessory is intended to be used.

c) A marking label that can be attached to the panelboard to identify the field installed accessory or equipment and to confirm the panelboard manufacturers approval of field installation of the accessory or equipment in the panelboard shall be furnished with the accessory or equipment, along with instructions for attaching the label to the panelboard.

d) Installation and wiring instructions shall be furnished with the accessory or equipment unless the construction makes the installation obvious.

5. Inclusion of New Requirements for Panelboard Kits in Paragraph 5.51A (New); Section 36; Subsections 6.6, 6.8 (New), 34.19 (New), 36.1 (New), 36.2 (New), and 36.3 (New); and Figures 36.1 (New) and 36.2 (New)

PROPOSAL

6.8 Panelboard kit

6.8.1 Panelboards may be provided in the form of a field-assembled kit provided the following conditions are met:

a) All components or sub-assemblies necessary to complete the construction of the panelboard shall be ~~provided as part of the kit from the panelboard manufacturer. The panelboard main bus bars, as permitted in the exceptions in (e), may be provided separately when marked in accordance with 34.12. Panelboard accessories may be provided separately~~ included as part of the panelboard kit when shipped from the factory.

Exception: Bus bars, as permitted in Exception Nos. 1, 2, and 3 to (e), may be provided separately when marked in accordance with 34.12.

b) Assembly shall not require the use of other than normally available tools, such as screwdrivers, pliers, and wrenches, unless such tools and instructions for its use are furnished with the kit.

c) Barriers that are needed to comply with spacing requirements in Spacings, Section 16, shall be securely attached at the factory to parts of the assembly that include the energized parts that require the use of the barriers. See 16.3.4.

d) Assembly shall not require drilling or cutting of parts of the assembly.

Note: This does not apply to the mounting of the panelboard into the cabinet, enclosure, or cutout box.

e) All energized bus bars shall be mounted to one subassembly of the kit with interconnections completely assembled so that interconnections of the bus bars are not required in the field. Also refer to 11.2.4 – 11.2.9 for additional bus bar support requirements.

Exception No. 1: Branch-circuit bus bars, as permitted in 6.6.3.

Exception No. 2: Neutral bus bars, as permitted in 6.6.5.

Exception No. 3: Bus bars to a fusible switch, circuit breaker, or associated equipment, as permitted in 6.6.6.

f) Panelboard kits are marked in accordance with 34.19.

g) Panelboard kits are provided with installation instructions in accordance with 36.1.

BSR/UL 498D, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts

1. Clarification of requirements for receptacle grounding terminal

PROPOSAL

26.1.4 Only one grounding terminal shall be provided on a grounding-type receptacle. The grounding terminal of a grounding-type receptacle shall only accept a single grounding conductor and shall not ~~have feed-through capability.~~ serve as a connection point for two separate grounding conductors.

BSR/UL 498F, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts

1. Clarification of requirements for receptacle grounding terminal

PROPOSAL

26.1.3 Only one grounding terminal shall be provided on a grounding-type receptacle. The grounding terminal of a grounding-type receptacle shall only accept a single grounding conductor and shall not ~~have feed-through capability.~~ serve as a connection point for two separate grounding conductors.

BSR/UL 2237, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery

1. Addition of Requirements for Environmental Enclosure Rating "4 or 4X Indoor Use Only" to New Paragraphs 17.3 and 49.3A

PROPOSAL

17.3 A Type 4 or 4X enclosure intended for Indoor Use Only and marked in accordance with 49.3.1:

a) Need not be subjected to the External Icing Test in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL ~~50~~ 50E and

b) For a polymeric enclosure, need not have a material which is resistant to ultraviolet light weathering in accordance with the Standard for Polymeric Materials – Use in Electrical Equipment Evaluation, UL 746C.

49.3A With reference to 17.3, a Type 4 or Type 4X enclosure intended for indoor use only shall be marked, respectively, "4 Indoor Use Only", or "4X Indoor Use Only" in letters at least 5/32 inch (4.0 mm) high.

BSR/UL 2238, Standard for Safety for Cable Assemblies and Fittings for Industrial Control and Signal

1. Addition of Requirements for Environmental Rating of "4 or 4X Indoor Use Only"

PROPOSAL

17.5 A Type 4 or 4X enclosure intended for Indoor Use Only and marked in accordance with 40.1.10.1:

a) Need not be subjected to the External Icing Test in the Standard for Enclosures for Electrical Equipment, Environmental Considerations, UL 50E; and

b) For a polymeric enclosure, need not have a material which is resistant to ultraviolet light weathering in accordance with the Standard for Polymeric Materials – Use in Electrical Equipment Evaluation, UL 746C.

40.1.10.1 ~~A~~ With reference to paragraph 17.5, a Type 4 or Type 4X enclosure intended for indoor use only shall be marked, respectively, "4 Indoor Use Only", or "4X Indoor Use Only" in letters at least 5/32 in (4.0 mm) high.

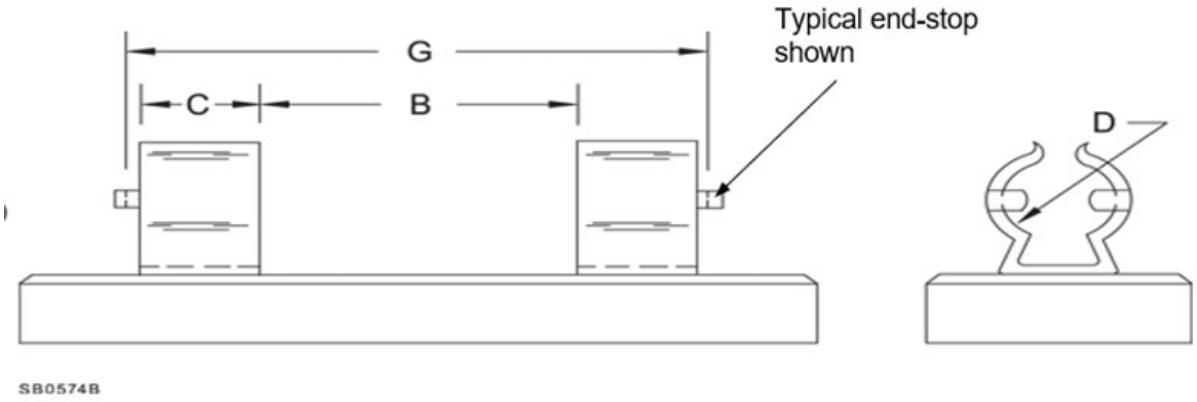
BSR/UL 4248-6, Standard for Fuseholders - Part 6: Class H

1. Proposed Second Edition of the Standard for Fuseholders - Part 6: Class H, UL 4248-6

PROPOSAL

6 Characteristics

Figure 8.1
Class H Fuseholder – Ferrule Contact Type



~~Class of fuse~~	~~Potential rating of fuse, volts~~	~~Current rating of fuse, amperes~~	~~Dimensions, mm (in)~~					
			~~B~~	~~C~~	~~D~~	~~E~~	~~G~~	
			~~Distance[a] between contact clips~~	~~Minimum width of contact clip~~	~~Diameter of ferrule~~	~~Thickness of blade~~	~~Distance between end stops~~	
							~~Minimum~~ -	~~Maximum~~ -
~~H~~	~~250~~	~~30~~	~~25.4 (1.0)~~	~~12.7 (0.5)~~	~~14.27 (0.562)~~	~~—~~	~~51.59 (2.031)~~	~~53.97 (2.125)~~
		~~60~~	~~44.45 (0.750)~~	~~15.88 (0.625)~~	~~20.62 (0.812)~~	~~—~~	~~76.99 (3.031)~~	~~79.38 (2.125)~~
		~~100~~	~~101.6 (4.0)~~	~~22.22 (0.875)~~	~~—~~	~~3.18 (0.125)~~	-	~~—~~
		~~200~~	~~114.3 (4.5)~~	~~31.75 (1.250)~~	~~—~~	~~4.75 (0.187)~~	-	~~—~~
		~~400~~	~~127.0 (5.0)~~	~~44.45 (1.750)~~	~~—~~	~~6.35 (0.250)~~	-	~~—~~
		~~600~~	~~152.4 (6.0)~~	~~53.97 (2.125)~~	~~—~~	~~6.35 (0.250)~~	-	~~—~~

	600	30	101.6 (4.0)	12.7 (0.5)	20.62 (0.812)	—	127.79 (0.31)	130.17 (5.312)
		60	107.95 (4.250)	15.88 (0.625)	26.97 (1.062)	—	127.00 (0.531)	142.88 (5.63)
		100	152.4 (6.0)	22.22 (0.875)	—	3.18 (0.125)	-	—
		200	177.8 (7.0)	31.75 (1.250)	—	4.75 (0.187)	-	—
		400	203.2 (8.0)	44.45 (1.750)	—	6.35 (0.250)	-	—
		600	228.6 (9.0)	53.97 (2.125)	—	6.35 (0.250)	-	—
[a] Tolerances for the B dimensions are:								
60 A or less:	-	plus 0.79 mm (0.31 in) and minus 1.57 mm (0.62 in)						
100 and 200 amperes:	-	plus 1.57 mm (0.62 in) and minus 0.79 mm (0.31 in)						
400 and 600 amperes:	-	plus 2.36 mm (0.093 in)						

Figure 8.2
Class H Fuseholder - Knife-blade Type

Class of fuse	Potential rating of fuse, volts	Current rating of fuse, amperes	Dimensions, mm (in)					
			B	C	D	E	G	
			Distance [a] between contact clips	Minimum width of contact clip	Diameter of ferrule	Thickness of blade	Distance between end stops	
							Minimum	Maximum
H	250	30	25.4 (1.0)	12.7 (0.5)	14.27 (0.562)	-	51.59 (2.031)	53.97 (2.125)
		60	44.45 (1.750)	15.88 (0.625)	20.62 (0.812)	-	76.99 (3.031)	79.38 (3.125)
		100	101.6 (4.0)	22.22 (0.875)	-	3.18 (0.125)		-
		200	114.3 (4.5)	31.75 (1.250)	-	4.75 (0.187)		-
		400	127.0 (5.0)	44.45 (1.750)	-	6.35 (0.250)		-
		600	152.4 (6.0)	53.97 (2.125)	-	6.35 (0.250)		-
	600	30	101.6 (4.0)	12.7 (0.5)	20.62 (0.812)	-	127.79 (5.031)	130.17 (5.312)

		60	107.95 (4.250)	15.88 (0.625)	26.97 (1.062)	-	140.49 (5.531)	142.88 (5.63)
		100	152.4 (6.0)	22.22 (0.875)	-	3.18 (0.125)		-
		200	177.8 (7.0)	31.75 (1.250)	-	4.75 (0.187)		-
		400	203.2 (8.0)	44.45 (1.750)	-	6.35 (0.250)		-
		600	228.6 (9.0)	53.97 (2.125)	-	6.35 (0.250)		-

[a] Tolerances for the B dimensions are:

60 A or less:		plus 0.79 mm (0.031 in) and minus 1.57 mm (0.062 in);
100 and 200 amperes:		plus 1.57 mm (0.062 in) and minus 0.79 mm (0.031 in);
400 and 600 amperes:		plus 2.36 mm (0.093 in).

Table 9.1
Dimensions of Dummy Fuses Class H

Table 9.2
Maximum Temperature

		Materials and components	°C	(°F)
A.		COMPONENTS		
	1.	Any bus, strap, or fuse clip	55	(131)
	2.	Pressure terminal connectors for field installed conductors except as noted in item 3	55	(131)
	3.	Pressure terminal connectors used on fuseholders rated 100 amperes or less and marked for use with 75 °C (167 ° F) wire	70	(158)
B.		ELECTRICAL INSULATION - GENERAL		
	1.	Wire insulation or insulating tubing	40[a]	(104[a])
	2.	Electrical tape	60[a]	(140[a])
	3.	Varnished cloth insulation	65[a]	(149[a])
	4.	Fiber employed as electrical insulation	70[a]	(158[a])
	5.	Sealing compound	55[a]	(131[a])
	6.	Polymeric materials employed as electrical insulation or as a part the deterioration of which would result in a risk of fire, electric shock, or injury to persons	RTI-20[b]	(RTI-36[b])

[a]

[a] This limitation for an insulated conductor or other material that has been investigated and found acceptable at a higher temperature shall be that higher temperature less 20 °C (to represent the additional heating effect contributed by the use of actual fuses).

[b] RTI is the higher of the mechanical and electrical relative thermal indices for the polymeric material used or, for those materials lacking published RTI ratings, the generic thermal index, corresponding to the material used in accordance with CSA 22.2 No. 0.17 or UL 746C.

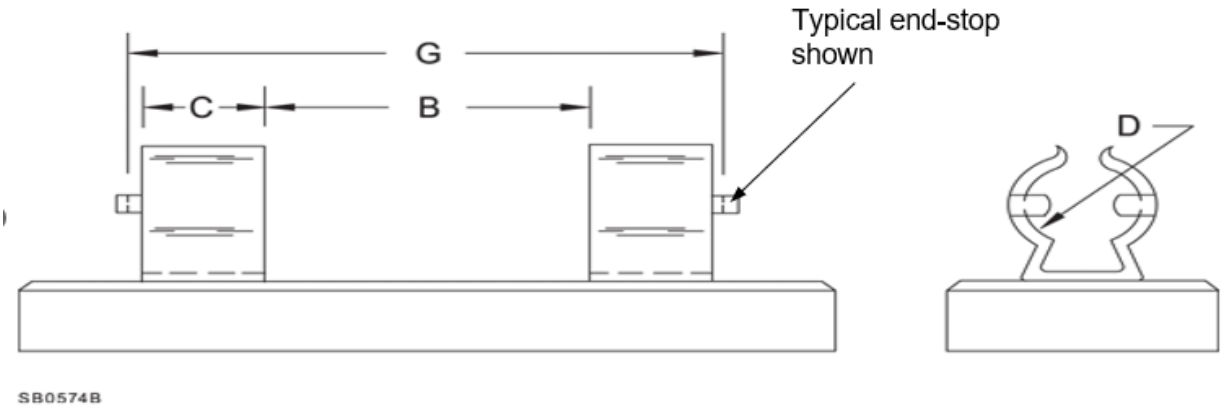
BSR/UL 4248-8, Standard for Fuseholders - Part 8: Class J

1. Proposed Third Edition of the Standard for Fuseholders – Part 8: Class J, UL 4248-8

PROPOSAL

6 Characteristics

Figure 8.1
Class J 30 and 60 A Fuseholders



9.1.1 Each fuseholder shall be subjected to the tests as specified in Part 1.

Table 9.2
Maximum Temperature

	Materials and components	°C	(°F)
A.	COMPONENTS		
	1. Any bus, strap, or fuse clip except as noted in item 2.	55	(131)
	2. Any bus, strap, or fuse clip - fuseholders rated 400 or 600 amperes	90	(194)
	3. Line and load terminals except as noted in items 4 and 5	55[a]	(131[a])
	4. Line and load terminals - fuseholders rated 400 or 600 amperes	65[a]	(149[a])
	5. Line and load terminals - fuseholders rated 100 amperes or less and marked for use with 75 °C (167 ° F) wire	70[a]	(158[a])
B.	ELECTRICAL INSULATION - GENERAL		

	1.	Wire insulation or insulating tubing	40[b]	(104[b])
	2.	Electrical tape	60[b]	(140[b])
	3.	Varnished cloth insulation	65[b]	(149[b])
	4.	Fiber employed as electrical insulation	70[b]	(158[b])
	5.	Sealing compound	55[b]	(131[b])
	6.	Polymeric materials employed as electrical insulation or as a part the deterioration of which would result in a risk of fire, electric shock, or injury to persons	RTI-20[c]	(RTI-36[c])

[a] Applicable to a connector for copper wire; also applicable to a connector for aluminum wire or an aluminum-bodied connector if the connector has a temperature rating of 90 °C (194 °F).

[b] This limitation for an insulated conductor or other material that has been investigated and found acceptable at a higher temperature shall be that higher temperature less 20 °C (to represent the additional heating effect contributed by the use of actual fuses).

[c] RTI is the higher of the mechanical and electrical relative thermal indices for the polymeric material used or, for those materials lacking published RTI ratings, the generic thermal index, corresponding to the material used, in accordance with CSA 22.2 No. 0.17 or UL 746C.