

CONTENTS

American National Standards

Project Initiation Notification System (PINS)	2
Call for Comment on Standards Proposals	6
Final Actions - (Approved ANS)	15
Call for Members (ANS Consensus Bodies)	18
Call for Comment of ANS Limited Substantive Changes	22
American National Standards (ANS) Process	23
Meeting Notices (Standards Developers)	24
ANS Under Continuous Maintenance	26
ANSI-Accredited Standards Developer Contacts	27

International Standards

ISO and IEC Draft Standards	29
ISO and IEC Newly Published Standards	33
International Organization for Standardization (ISO)	34

Information Concerning

Registration of Organization Names in the United States	35
Proposed Foreign Government Regulations	36
Standards Action Publishing Calendar	37

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.

AAMI (Association for the Advancement of Medical Instrumentation)

Rachel Porter <rporter@aami.org> | 901 North Glebe Road, Suite 300 | Arlington, VA 22203 www.aami.org

New Standard

BSR/AAMI/AI 120-202x, Bias Management for Machine Learning Systems (new standard)

Stakeholders: Industry/Manufacturing, HDO Clinical Users, Academia, Outside U.S., Regulatory

Project Need: Unwanted bias can negatively affect the safety and efficacy of ML systems in healthcare. Many times, the product development team isn't even aware that the unwanted bias is in their system. Developing ML systems with outcomes free of unwanted bias is a challenging goal. ML system function behaviour is complex and can be difficult to understand, but the treatment of unwanted bias is possible. Many activities in the development and deployment of ML systems present opportunities for identification and treatment of unwanted bias to enable stakeholders to benefit from ML systems according to their objectives. Bias in ML systems is an evolving concern and an active area of research. This document provides current best practices to detect and manage unwanted bias in ML systems.

Interest Categories: Industry, Regulatory, User, and General Interest

This standard will provide a methodology (based on ISO 14971) to identify and manage unwanted bias in the performance of Machine Learning (ML) systems.

ACP (American Clean Power Association)

Duane Brown <dbrown@cleanpower.org> | 1501 M Street NW, Suite 1000 | Washington, DC 22205 www.cleanpower.org

Addenda

BSR/ACP 101-1-202x, The Small Wind Turbine Standard (addenda to ANSI/ACP 101-1-2021)

Stakeholders: Wind energy stakeholders, operators, owners, developers, OEMs, contractors, subcontractors, independent service providers, and all other impacted stakeholders

Project Need: To provide meaningful criteria upon which to assess the quality of the engineering that has gone into a small wind turbine and to provide consumers with performance data that will help them make informed purchasing decisions and an assurance that a turbine has been certified to a national standard.

Interest Categories: Consultants, General Interest, Owners/Operators/Developers, Producers, Technical.

The goal of this standard is to provide meaningful criteria upon which to assess the quality of the engineering that has gone into a small wind turbine and to provide consumers with performance data that will help them make informed purchasing decisions and an assurance that a turbine has been certified to a national standard. The standard is intended to be written to ensure the quality of the product can be assessed while imposing only reasonable costs and difficulty on the manufacturer to comply with the standard.

ADA (Organization) (American Dental Association)

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

Revision

BSR/ADA Standard No. 1084-202x, Reference Core Data Set for Communication among Dental and Other Health Information Systems (revision of ANSI/ADA Standard No. 1084-2019)

Stakeholders: Dental information system developers

Project Need: Numerous initiatives by government entities, quality measurement growth, Interoperability and portal requirements, etc. suggest that core data may need to expand to include such things as SDOH, other equity items, formats for screenings, etc. Additionally, there are numerous new products in much broader use, such as digital scanning that may require further data elements.

Interest Categories: Consumer, General Interest, Producer

This standard is designed to identify data elements that dental records systems should provide.

ADA (Organization) (American Dental Association)

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

New Standard

BSR/ADA Standard No. 1110-1-202x, Dentistry - Validation Dataset Guidance for Image Analysis Systems Using Artificial Intelligence, Part 1: Image Annotation and Data Collection (new standard)

Stakeholders: AI system users, regulators, manufacturers, and patients.

Project Need: The purpose of this project is to provide dental image annotation and data collection standard criteria on 2D radiological images, for the purposes of image classification and recognition for use in clinical decision support. As a result, AI can become a great utility within oral health care settings through these standardized image annotation practices. This standard includes AI image analysis associated with machine learning and deep learning efforts for diagnosis, treatment, payment operations, and research and development efforts.

Interest Categories: Consumer, General Interest, Producer

Identification of necessary image data content and annotations to be queried, exchanged, and communicated between providers at all treatment locations; Provide a listing of the data associated with the Image Annotation Data Set; Provide the Image Annotation Workflow utilizing the DICOM Standard Image Annotation and provide a crosswalk between the image annotation content and workflow with the DICOM Standard.

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 C2.19/C2.19M-202x, Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair (revision of ANSI/AWS C2.19/C2.19M-2023)

Stakeholders: U.S. Navy, manufacturers, thermal spray operators, and thermal spray inspectors

Project Need: To provide members of the thermal spray industry guidelines for applying thermal spray coatings to equipment and components.

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

This standard defines requirements for thermal spray coating systems for OEM and repair applications. Included are HVOF (High Velocity Oxyfuel) coatings that can be used as an alternative to hard chrome plating. The essential equipment, procedures for surface preparation, and the application of specific thermal spray coatings and sealers are detailed with in-process quality control checkpoints. This standard also presents management requirements and procedures for qualification, procedure approval, and documentation. Also covered are approved applications for thermal spray processes used for OEM and repair of machinery components along with minimum training requirements for thermal spray operators and inspectors. This specification has several annexes including annexes on safety, bend testing, and bond testing.

ECIA (Electronic Components Industry Association)

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

Revision

BSR/EIA 364-23E-202x, Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-23D-2022)

Stakeholders: Electronics, electrical and telecommunications industries

Project Need: Revise and redesignate current ANS

Interest Categories: User, Producer, General Interest

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

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

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

Revision

BSR/ASSE 1064-202x, Performance Requirements for Backflow Prevention Assembly Field Test Kits (revision of ANSI/ASSE 1064-2020)

Stakeholders: Backflow installers, testers and certifiers; plumbing and construction contractors, manufacturers and regulatory authorities.

Project Need: Revision to update test method sections within the standard.

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

This standard covers the performance requirements and accuracy of a BFTK. This standard is confined to analog dial type and digital instrumentation. Duplex gauges are not a part of this standard.

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

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

Revision

BSR/ASSE/IAPMO Series 6000-202x, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2021)

Stakeholders: Medical gas systems designers, engineers, inspectors, verifiers, installers, and maintenance workers as well as contractors, medical professionals, and the general public.

Project Need: With the revision of ANSI/NFPA 99-2024, Health Care Facilities Code, nearly complete, we need to update the Series 6000 with the changes. There is also a need to establish uniform minimum qualification requirements for Medical Gas Systems designers and engineers.

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

This series of standards establishes uniform minimum education and certification requirements for qualified Medical Gas Systems Installers, Bulk Medical Gas/Cryogenic Fluid Central Supply Systems Installers, Medical Gas Systems Inspectors, Medical Gas Systems Verifiers, Bulk Medical Gas/Cryogenic Fluid Central Supply Systems Verifiers, Medical Gas Systems Maintenance Personnel, Medical Gas Systems Instructors, Bulk Medical Gas/Cryogenic Fluid Central Supply Systems Instructors and Medical Gas Systems Designers.

TIA (Telecommunications Industry Association)

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

New Standard

BSR/TIA 455-81-C-202x, FOTP-81 Compound Flow (Drip) Test for Filled Fiber Optic Cable (new standard)

Stakeholders: Telecom, optical fiber manufacturers, optical cable manufactures, developers, users

Project Need: Create new American National Standard.

Interest Categories: User, Producer, and General Interest

This document is a revision of TIA 455-81-B and the creation as a new standard.

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: January 28, 2024

ACCA (Air Conditioning Contractors of America)

1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | david.bixby@acca.org, www.acca.org

Supplement

BSR/ACCA 3 Manual S-2023 Addendum A, Residential Equipment Selection (supplement to ANSI/ACCA 3 Manual S-2023)

This standard provides procedures for selecting and sizing residential cooling equipment, heat pumps, electric heating coils, furnaces, boilers, ancillary dehumidification equipment, humidification equipment, equipment tested and rated according to retail appliance standards, and direct evaporative cooling equipment.

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

Send comments (copy psa@ansi.org) to: David Bixby <david.bixby@acca.org>

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Rosslyn, VA 22209 | brian.marchionini@nema.org, www.nema.org

Revision

BSR C37.54-2024A-202x, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2023)

When conformance tests are required, this standard specifies tests to demonstrate that the circuit breaker being tested conforms with the requirements and ratings defined in accordance with ANSI/IEEE C37.04. The preferred ratings listed are designated values but are not to be considered restrictive; however, the requirements given are restrictive. Conformance testing may be performed in conjunction with the basic design testing, if agreeable to those concerned; however, conformance testing is more likely to be performed to satisfy a special need, sometime after original development. As a requirement of conformance testing, the circuit breaker shall have completed the design testing requirements of ANSI/IEEE C37.09. If ANSI/IEEE C37.09 tests have not been previously performed, the tests required by ANSI/IEEE C37.09 beyond tests described by this standard may be performed concurrently with conformance testing.

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

Send comments (copy psa@ansi.org) to: Brian Marchionini <Brian.Marchionini@nema.org>

Comment Deadline: January 28, 2024

ULSE (UL Standards & Engagement)

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

National Adoption

BSR/UL 61010-2-011-202x, Standard for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment (national adoption of IEC 61010-2-011 with modifications and revision of ANSI/UL 61010-2-011-2023)

(1) Revisions to Clause 1.1.1DV.1 and Clause 1.1.2DV to remove the ammonia (NH₃) references.

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

Send comments (copy psa@ansi.org) to: <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 746B-202X, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2022)

This proposal covers the addition of requirements for heat aging of polymeric films and thin sheets in a new Subsection 21.4 and Table 21.6 of UL 746B. Earlier versions of this proposal were posted by ULSE in its Collaborative Standards Development System (CSDS) for ballot on March 10, 2023, and for recirculation on September 15, 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: February 12, 2024

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 056-202x, Standard for Evaluation of Measurement Uncertainty in Forensic Toxicology (new standard)

This document provides minimum requirements for evaluating measurement uncertainty for forensic toxicology testing activities as well as calibration of breath alcohol measuring instruments. It does not address evaluating measurement uncertainty for breath alcohol testing.

Single copy price: Free

Obtain an electronic copy from: This is a public comment period for a recirculation. Updated document, redline version, and comments can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

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

Comment Deadline: February 12, 2024

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 188-202x, Standard for Processing Evidence for the Detection of Friction Ridge Impressions (new standard)

This document provides requirements for the processing of evidence in the detection of friction ridge impressions. The standard specifies the broad class of processing techniques and sequences to be applied when processing such evidence. This document does not address the photography or digital enhancement of friction ridge impressions or the validation of the various processing techniques, necessary equipment, or storage requirements.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

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

AAFS (American Academy of Forensic Sciences)

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

New Standard

BSR/ASB Std 195-202x, Standard for Scene Response: Initial Response by Scene Investigators (new standard)

This document provides requirements for the activities and actions of a scene investigator when responding to a scene, and the steps to be completed prior to conducting a scene search.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: www.aafs.org/academy-standards-board.

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

National Adoption

BSR/AAMI/ISO 81060-3-202x, Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type (identical national adoption of ISO 81060-3:2022/Ed.1)

This document specifies the requirements and methods for the clinical investigation of continuous automated non-invasive sphygmomanometers used for the measurement of the blood pressure of a patient. This document covers both trending continuous automated noninvasive sphygmomanometers and absolute accuracy continuous automated non-invasive sphygmomanometers and focuses solely on requirements for the clinical investigation.

This document does not cover usability aspects such as the form and manner of the data display or output and does not specify a numerical threshold on the minimum output period.

Single copy price: Free

Obtain an electronic copy from: lbulookbashi@aami.org

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

Comment Deadline: February 12, 2024

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

Reaffirmation

BSR/AAMI/ISO 11737-1-2018 (R202x), Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products (reaffirmation of ANSI/AAMI/ISO 11737-1-2018)
This document specifies requirements and provides guidance on the enumeration and microbial characterization of the population of viable microorganisms on or in a health care product, component, raw material, or package.

Single copy price: \$149.00 (Member price) / \$266.00 (Non-member price)

Obtain an electronic copy from: <https://store.aami.org/s/store#/store/browse/detail/a152E000006j63JQAQ>

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

ABTG (Applied Building Technology Group)

6300 Enterprise Lane, Madison, WI 53719 | tkutz@qaltim.com, www.appliedbuildingtech.com

Reaffirmation

BSR/ABTG FS 100-2012 (R202x), Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (reaffirmation of ANSI/SBCA FS 100-2012 (R2018))

This standard establishes wind pressure resistance requirements for Foam Plastic Insulating Sheathing (FPIS) products used as exterior wall-sheathing, including use as continuous insulation, in exterior wallcovering assemblies.

Single copy price: Free

Obtain an electronic copy from: <https://www.appliedbuildingtech.com/standards>

Send comments (copy psa@ansi.org) to: Trish Kutz, tkutz@qaltim.com

ADA (American Dental Association)

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

National Adoption

BSR/ADA Standard No. 88-202x, Dentistry - Brazing Materials (identical national adoption of SO 9333:2022 and revision of ANSI/ADA Standard No. 88-2019)

This document specifies the requirements and test methods for dental brazing materials suitable for use in metallic restorations. Brazing materials with silver as the main component are excluded from this document.

Single copy price: \$73.00

Obtain an electronic copy from: standards@ada.org

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

Comment Deadline: February 12, 2024

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

Reaffirmation

BSR/ASABE/ISO 15077-2008 OCT2008 (R202x), Tractors and self-propelled machinery for agriculture - Operator controls - Actuating forces, displacement, location and method of operation (reaffirm a national adoption ANSI/ASABE/ISO 15077:2008 (R2018))

ASABE/ISO 15077:2008 specifies the preferred method of operation and requirements related to operator controls actuated by hand and foot, installed in agricultural tractors and self-propelled agricultural machinery, and used by a seated operator as intended and under the conditions foreseen by the manufacturer. It also gives recommendations for the maximum control actuating forces, direction of motion, and location of these controls.

Single copy price: \$78.00

Obtain an electronic copy from: Stell@asabe.org

Send comments (copy psa@ansi.org) to: Sadie Stell, stell@asabe.org

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

Revision

BSR/ASABE S625.2 MONYEAR-202x, Drawbar Pin Dimensions and Requirements for Towing Machine with Clevis (revision and redesignation of ANSI/ASABE S625.1-JUL2018 (R2022))

Add Category PA drawbar a nominal 25-mm (1-inch) pin for special applications. Updated the endurance strength and impact strength test to a straight pull. Moved the calculations for endurance strength and impact strength to an informative annex. Updated the “drawbar pin keeper” and “drawbar pin secondary keeper” definitions.

Single copy price: \$78.00

Obtain an electronic copy from: Stell@asabe.org

Send comments (copy psa@ansi.org) to: Sadie Stell, stell@asabe.org

ISA (International Society of Automation)

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

New Standard

BSR/ISA 75.25.01-202x, Test Procedure for Control Valve Response Measurement from Step Inputs (new standard)

This standard defines how to test, evaluate, and report the response of a control valve to a step input change.

This standard is intended for use with throttling control valves in closed or open loop control applications. It may apply to other types of final control elements (for example, dampers, variable speed drives). The “control valve” in the context of this document includes the complete, ready-to-use assembly of the control valve body, actuator, and any required accessories. The standard was developed to address problems with automatic control caused by the response of control valves or other final control elements.

Single copy price: \$99.00

Obtain an electronic copy from: lfranke@isa.org

Send comments (copy psa@ansi.org) to: Lynne Franke, lfranke@isa.org

Comment Deadline: February 12, 2024

ISA (International Society of Automation)

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

Reaffirmation

BSR/ISA 67.04.01-2018 (R202x), Setpoints for Nuclear Safety-Related Instrumentation (reaffirmation of ANSI/ISA 67.04.01-2018)

This standard defines the requirements for assessing, establishing, and maintaining nuclear safety-related and other important instrument setpoints associated with nuclear power plants or nuclear reactor facilities. The scope includes instrumentation-based setpoints that assure compliance to one or more safety or design limits.

Single copy price: \$99.00

Obtain an electronic copy from: ebrazda@isa.org

Send comments (copy psa@ansi.org) to: Eliana Brazda <ebrazda@isa.org>

ISA (International Society of Automation)

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

Revision

BSR/ISA 5.1-202x, Instrumentation and Control Symbols and Identification (revision of ANSI/ISA 5.1-2022)

Establishes a uniform means of designating instruments and instrumentation systems used for industrial process measurement and control. This designation system includes symbols and an identification code.

Single copy price: \$99.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (copy psa@ansi.org) to: Charley Robinson <crobinson@isa.org>

ISA (International Society of Automation)

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

Revision

BSR/ISA 96.08.01-202x, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (revision of ANSI/ISA 96.08.01-2017)

This standard provides basic requirements for mechanical integrity, selection, and sizing of gas over oil actuators, both rotary and linear, provided in double and single acting designs. Actuators for rotative applications may include scotch yoke type, rotary vane type, or helical spline. For linear applications, actuators shall be of the linear hydraulic design. This document applies to actuators with a maximum allowable operating pressure from 150 psig to 1500 psig using direct piped natural or sour gas segregated from the actuator by means of gas-over-oil tanks.

Single copy price: \$99.00

Obtain an electronic copy from: crobinson@isa.org

Send comments (copy psa@ansi.org) to: Charley Robinson <crobinson@isa.org>

Comment Deadline: February 12, 2024

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

Revision

BSR C18.3M, Part 2-202x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2021)

This standard specifies tests and requirements for portable primary lithium cells and batteries, both the chemical systems and the types covered in ANSI C18.3M, Part 1, to ensure their safe operation under normal use and reasonably foreseeable misuse.

Single copy price: \$110.00

Obtain an electronic copy from: communication@nema.org

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

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

Revision

BSR/NEMA SG-IPRM-202x, Smart Grid Interoperability Process Reference Manual (revision of ANSI/NEMA SG-IPRM 1-2016)

The Interoperability Process Reference Manual (IPRM) defines a process by which industry stakeholders may procure, test, and assert interoperability between disparate vendors of Smart Grid products to identified standards. This is accomplished by defining the relationships between Smart Grid stakeholders invested in this goal. This Standard defines requirements and recommendations for general test policies, test suite specifications, test profiles, interoperability testing and certification authority technical programs, governance, laboratory qualifications, and (process) improvements. Finally, this Standard describes an implementation approach.

Single copy price: \$TBD

Obtain an electronic copy from: brian.marchionini@nema.org

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

SCTE (Society of Cable Telecommunications Engineers)

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

Reaffirmation

BSR/SCTE 234-2016 (R202x), Guidelines for Use of ISO 50001:2011 Energy Management Systems and Energy Metrics (reaffirmation of ANSI/SCTE 234-2016)

SCTE's Energy 2020 Program is a multi-year campaign that aims to provide cable system operators with the energy management standards, technology innovation, organizational solutions and training that look to help the cable industry meet Energy 2020's goals. In 2011, the International Organization for Standardization (ISO) published 50001: Energy management systems - Requirements with guidance for use. SCTE's Energy 2020 Program aligns with the underlying principles of that publication and SCTE 234-2016 serves as the recognition of that international standard as the official cable industry standard.

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: February 12, 2024

SIMA (Snow and Ice Management Association)

10140 N Port Washington Road, Milwaukee, WI 53092 | ellen@sima.org, <http://www.sima.org>

New Standard

BSR/SIMA 20-202x, Standard Practice for Implementing a Safety Program for Snow and Ice Management Companies (new standard)

This standard of practice covers the essential planning and implementation of a safety program for companies whose employees perform snow and ice management and removal services. Safety standards are essential for business continuity, liability mitigation and to improve the safety of employees, tenants, clients and the general public. This standard practice provides guidance for snow and ice management companies to aid in the development of comprehensive safety protocols, documentation and monitoring procedures. This standard will not be submitted for consideration as an ISO, IEC or ISO/IEC JTC-1 standard.

Single copy price: Free

Obtain an electronic copy from: Request an electronic copy at www.sima.org/standards

Send comments (copy psa@ansi.org) to: Follow the instructions for submitting a public review comment at www.sima.org/standards

TIA (Telecommunications Industry Association)

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

Addenda

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1:Corrections (addenda to ANSI/TIA 568.5-2022)

This addendum will correct the error of the incompatibility between the channel and cable PSAFEXT specifications and correct any other errors that may be found. The scope may include the addition of a test method for UTP 1-pr cable. (Additions of features and classes will not be included in the scope. The entire document is open for comment.)

Single copy price: \$77.00

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

Send comments (copy psa@ansi.org) to: Teesha Jenkins <standards-process@tiaonline.org>

ULSE (UL Standards & Engagement)

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

Revision

BSR/UL 1889-202x, Standard for Safety for Commercial Filters for Cooking Oil (revision of ANSI/UL 1889-2018)

This proposal for UL 1889 covers: (1) Updates to Referenced Standards.

Single copy price: Free

Obtain an electronic copy from: <https://csds.ul.com/ProposalAvailable>

Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: <https://csds.ul.com/ProposalAvailable>

Comment Deadline: February 12, 2024

VITA (VMEbus International Trade Association (VITA))

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

New Standard

BSR/VITA 87-202x, Optical Interconnect on VPX Standard - Hybrid Variants (new standard)

VITA 87 defines a standard for circular connectors with optical MT. Circular connector shells are compliant to MIL-DLT-38999. MT configurations offer options for 8, 12, 24, and 48 fibers per MT for physical contact and for 12, 16, 32, and 48 fibers per MT for lensed MT.

Single copy price: \$25.00

Obtain an electronic copy from: admin@vita.com

Send comments (copy psa@ansi.org) to: admin@vita.com

Project Withdrawn

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

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

BSR/ASABE AD17225-4-FEB2018 (R202x), Solid biofuels - Fuel specifications and classes - Part 4: Graded wood chips (reaffirm a national adoption ANSI/ASABE AD17225-4-FEB2018)

Send comments (copy psa@ansi.org) to: Sadie Stell <stell@asabe.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.

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

ANSI/ASABE AD17225-4-FEB2018, Solid biofuels - Fuel specifications and classes - Part 4: Graded wood chips (national adoption with modifications of ISO 17225-4:2014)

Send comments (copy psa@ansi.org) to: Questions may be directed to: Sadie Stell <stell@asabe.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.

AWWA (American Water Works Association)

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

ANSI/AWWA G410-2023, Business Practices for Operation and Management (revision of ANSI/AWWA G410-2018)
Final Action Date: 12/19/2023 | *Revision*

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

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

ANSI/ASSE 1052-2023, Performance Requirements for Hose Connection Backflow Preventers (revision of ANSI/ASSE 1052-2016) Final Action Date: 12/20/2023 | *Revision*

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 19150-6:2023 [2023], Geographic information - Ontology - Part 6: Service ontology register (identical national adoption of ISO 19150-6:2023) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO 19160-4:2023 [2023], Addressing - Part 4: International postal address components and template language (identical national adoption of ISO/IEC 19160-4:2023 and revision of INCITS/ISO 19160-4:2017 [2019]) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO 19131:2022 [2023], Geographic information - Data product specifications (identical national adoption of ISO 19131:2022 and revision of INCITS/ISO 19131:2007 [R2022]) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 7816-6:2023 [2023], Identification cards - Integrated circuit cards - Part 6: Interindustry data elements for interchange (identical national adoption of ISO/IEC 7816-6:2023 and revision of INCITS/ISO/IEC 7816-6:2016 [2019]) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 18013-2:2020/AM1:2023 [2023], Personal identification - ISO-compliant driving licence - Part 2: Machine-readable technologies - Amendment 1: DG11 length for compact encoding (identical national adoption of ISO/IEC 18013-2:2020/AM1:2023) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 18013-3:2017/AM2:2023 [2023], Information technology - Personal identification - ISO-compliant driving licence - Part 3: Access control, authentication and integrity validation - Amendment 2: Updates for passive authentication (identical national adoption of ISO/IEC 18013-3:2017/AM2:2023) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 23220-1:2023 [2023], Cards and security devices for personal identification - Building blocks for identity management via mobile devices - Part 1: Generic system architectures of mobile eID systems (identical national adoption of ISO/IEC 23220-1:2023) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 23465-1:2023 [2023], Card and security devices for personal identification - Programming interface for security devices - Part 1: Introduction and architecture description (identical national adoption of ISO/IEC 23465-1:2023) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 8652:2023 [2023], Information technology - Programming languages - Ada (identical national adoption of ISO/IEC 8652:2023) Final Action Date: 12/20/2023 | *National Adoption*

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 23488:2022 [2023], Information technology - Computer graphics, image processing and environment data representation - Object/environmental representation for image-based rendering in virtual/mixed and augmented reality (VR/MAR) (identical national adoption of ISO/IEC 23488:2022) Final Action Date: 12/20/2023 | *National Adoption*

INCITS/ISO/IEC 25059:2023 [2023], Software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Quality model for AI systems (identical national adoption of ISO/IEC 25059:2023) Final Action Date: 12/20/2023 | *National Adoption*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 401-2024, Recommended Practice for the Prevention of Fires and Uncontrolled Chemical Reactions Associated with the Handling of Hazardous Waste (new standard) Final Action Date: 12/21/2023 | *New Standard*

ANSI/NFPA 11-2024, Standard for Low-, Medium-, and High-Expansion Foam (revision of ANSI/NFPA 11-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 31-2024, Standard for the Installation of Oil-Burning Equipment (revision of ANSI/NFPA 31-2020) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 33-2024, Standard for Spray Application Using Flammable or Combustible Materials (revision of ANSI/NFPA 33-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 34-2024, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids (revision of ANSI/NFPA 34-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 37-2024, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines (revision of ANSI/NFPA 37-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 67-2024, Guide on Explosion Protection for Gaseous Mixtures in Pipe Systems (revision of ANSI/NFPA 67-2019) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 69-2024, Standard on Explosion Prevention Systems (revision of ANSI/NFPA 69-2019) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 75-2024, Standard for the Fire Protection of Information Technology Equipment (revision of ANSI/NFPA 75-2020) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 76-2024, Standard for the Fire Protection of Telecommunications Facilities (revision of ANSI/NFPA 76-2020) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 79-2024, Electrical Standard for Industrial Machinery (revision of ANSI/NFPA 79-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 82-2024, Standard on Incinerators and Waste and Linen Handling Systems and Equipment (revision of ANSI/NFPA 82-2019) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 87-2024, Standard for Fluid Heaters (revision of ANSI/NFPA 87-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 92-2024, Standard for Smoke Control Systems (revision of ANSI/NFPA 92-2021) Final Action Date: 12/21/2023 | *Revision*

NFPA (National Fire Protection Association)

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

ANSI/NFPA 204-2024, Standard for Smoke and Heat Venting (revision of ANSI/NFPA 204-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 418-2024, Standard for Heliports (revision of ANSI/NFPA 418-2021) Final Action Date: 12/21/2023 | *Revision*

ANSI/NFPA 1960-2024, Standard for Fire Hose Connections, Spray Nozzles, Manufacturers Design of Fire Department Ground Ladders, Fire Hose, and Powered Rescue Tools (revision, redesignation and consolidation of NFPA 1931, NFPA 1936, NFPA 1961, NFPA 1963 and NFPA 1964) Final Action Date: 12/21/2023 | *Revision*

NSF (NSF International)

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

ANSI/NSF 53-2023 (i157r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2022) Final Action Date: 12/21/2023 | *Revision*

PGMA (Portable Generator Manufacturers Association)

1300 Sumner Avenue, Cleveland, OH | hdarrah@thomasamc.com, www.pgmaonline.com

ANSI/PGMA G300-2023, Safety and Performance of Portable Generators (revision of ANSI/PGMA G300-2018) Final Action Date: 12/19/2023 | *Revision*

ULSE (UL Standards & Engagement)

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

ANSI/UL 62841-4-7-2023, Standard for Electric Motor Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-7: Particular Requirements for Pedestrian Controlled Walk-Behind Lawn Scarifiers and Aerators (identical national adoption of IEC 62841-4-7) Final Action Date: 12/21/2023 | *National Adoption*

ANSI/UL 62841-3-14-2019 (R2023), Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-14: Particular Requirements for Transportable Drain Cleaners (reaffirm a national adoption ANSI/UL 62841-3-14-2019) Final Action Date: 12/7/2023 | *Reaffirmation*

ANSI/UL 48-2023, Standard for Safety for Electric Signs (revision of ANSI/UL 48-2022) Final Action Date: 12/18/2023 | *Revision*

ANSI/UL 448C-2023a, Standard for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service (revision of ANSI/UL 448C-2023) Final Action Date: 12/19/2023 | *Revision*

ANSI/UL 510A-2023, Standard for Safety for Component Tapes (revision of ANSI/UL 510A-2022) Final Action Date: 12/19/2023 | *Revision*

ANSI/UL 879-2023, Standard for Safety for Electric Sign Components (revision of ANSI/UL 879-2022) Final Action Date: 12/18/2023 | *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.

AAMI (Association for the Advancement of Medical Instrumentation)

901 North Glebe Road, Suite 300, Arlington, VA 22203 | rporter@aami.org, www.aami.org

BSR/AAMI/AI 120-202x, Bias Management for Machine Learning Systems (new standard)

Interest Categories: AAMI is seeking user, regulatory, and general interest members to participate in the development of a new standard, AAMI AI120 – Bias Management for Machine Learning (ML) Systems.

AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Arlington, VA 22203 | mmiskell@aami.org, www.aami.org

BSR/AAMI/ISO 11737-1-2018 (R202x), Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products (reaffirmation of ANSI/AAMI/ISO 11737-1-2018)

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 81060-3-202x, Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type (identical national adoption of ISO 81060-3:2022/Ed.1)

Interest Categories: AAMI SP, Sphygmomanometer Committee: The committee is seeking regulatory, and general interest members to participate in the identical adoption project for ISO 81060-3:2022/Ed.1, Non-invasive sphygmomanometers – Part 3: Clinical investigation of continuous automated measurement type. Contact: Ladan Bulookbashi at lbulookbashi@aami.org.

ABTG (Applied Building Technology Group)

6300 Enterprise Lane, Madison, WI 53719 | tkutz@qualtim.com, www.appliedbuildingtech.com

BSR/ABTG FS 100-2012 (R202x), Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (reaffirmation of ANSI/SBCA FS 100-2012 (R2018))

ACP (American Clean Power Association)

1501 M Street NW, Suite 1000, Washington, DC 22205 | dbrown@cleanpower.org, www.cleanpower.org

BSR/ACP 101-1-202x, The Small Wind Turbine Standard (addenda to ANSI/ACP 101-1-2021)

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

BSR/ASABE S625.2 MONYEAR-202x, Drawbar Pin Dimensions and Requirements for Towing Machine with Clevis (revision and redesignation of ANSI/ASABE S625.1-JUL2018 (R2022))

ASABE (American Society of Agricultural and Biological Engineers)

2590 Niles Road, Saint Joseph, MI 49085 | stell@asabe.org, <https://www.asabe.org/>

BSR/ASABE/ISO 15077-2008 OCT2008 (R202x), Tractors and self-propelled machinery for agriculture - Operator controls - Actuating forces, displacement, location and method of operation (reaffirm a national adoption ANSI/ASABE/ISO 15077:2008 (R2018))

AWS (American Welding Society)

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

BSR/AWS C2.19/C2.19M-202x, Specification for the Application of Thermal Spray Coatings to Machine Elements for OEM and Repair (revision of ANSI/AWS C2.19/C2.19M-2023)

ECIA (Electronic Components Industry Association)

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

BSR/EIA 364-23E-202x, Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-23D-2022)

ISA (International Society of Automation)

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

BSR/ISA 5.1-202x, Instrumentation and Control Symbols and Identification (revision of ANSI/ISA 5.1-2022)

ISA (International Society of Automation)

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

BSR/ISA 67.04.01-2018 (R202x), Setpoints for Nuclear Safety-Related Instrumentation (reaffirmation of ANSI/ISA 67.04.01-2018)

ISA (International Society of Automation)

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

BSR/ISA 75.25.01-202x, Test Procedure for Control Valve Response Measurement from Step Inputs (new standard)

ISA (International Society of Automation)

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

BSR/ISA 96.08.01-202x, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (revision of ANSI/ISA 96.08.01-2017)

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Rosslyn, VA 22209 | brian.marchionini@nema.org, www.nema.org

BSR C37.54-2024A-202x, Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures (revision of ANSI C37.54-2023)

NEMA (ASC C8) (National Electrical Manufacturers Association)

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

BSR C18.3M, Part 2-202x, Portable Lithium Primary Cells and Batteries - Safety Standard (revision of ANSI C18.3M, Part 2-2021)

NEMA (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA 22209 | brian.marchionini@nema.org, www.nema.org

BSR/NEMA SG-IPRM-202x, Smart Grid Interoperability Process Reference Manual (revision of ANSI/NEMA SG-IPRM 1-2016)

TIA (Telecommunications Industry Association)

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

BSR/TIA 455-81-C-202x, FOTP-81 Compound Flow (Drip) Test for Filled Fiber Optic Cable (new standard)

TIA (Telecommunications Industry Association)

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

BSR/TIA 568.5-1-202x, Balanced Single Twisted-Pair Telecommunications Cabling and Components Standard - Addendum 1:Corrections (addenda to ANSI/TIA 568.5-2022)

ULSE (UL Standards & Engagement)

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

BSR/UL 19-202x, Standard for Lined Fire Hose and Hose Assemblies (revision of ANSI/UL 19-2018)

ULSE (UL Standards & Engagement)

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

BSR/UL 62841-4-2-202x, Standard for Safety Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 4-2: Particular Requirements for Hedge Trimmers (revision of ANSI/UL 62841-4-2-2019)

VITA (VMEbus International Trade Association (VITA))

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

BSR/VITA 87-202x, Optical Interconnect on VPX Standard - Hybrid Variants (new standard)

Call for Comment of ANS Limited Substantive Changes

Comments may be submitted on the limited revision only.

ANSI Accredited Standards Developers

HFES - Human Factors & Ergonomics Society

ANSI/HFES 400-2021 - 30-Day Comment Deadline By January 29, 2024

This Call for Comment of Limited Substantive Changes to the Approved American National Standard is available for review & comment until **January 22, 2024**

ANSI/HFES 400-2021

Human Readiness Level Scale in the System Development Process

(new standard)

This standard defines the HRL scale and provides the guidance necessary for human systems experts to apply it. This standard uses the term *human readiness* to refer to the readiness of a technology for use by the intended human users in the specified intended operational environment.

Addressing the current physical or mental readiness of human operators who will use the technology in order to accomplish their mission work is outside the scope of this standard. Further, although the HRL scale is applied in the context of existing systems engineering and HSI processes, this standard does not provide a detailed process for conducting HSI assessments. Existing human systems engineering practices, processes, and tools are critical to provide the foundation from which HRL ratings can be derived; however, the purpose of the HRL scale is not to dictate the processes and tools that should be used or how they should be used. This type of information resides in standards such as SAE6906 *Standard Practice for Human Systems Integration and in organization-specific HSI handbooks and guidance*. For example, SAE6906 provides detailed requirements specifying how to integrate HSI processes within the overall systems engineering approach throughout the system lifecycle.

Order from: info@hfes.org or see text at link below

Send comments (with optional copy to psa@ansi.org) to: skemp@hfes.org

Obtain an electronic copy from: See text at link below

Single copy price: Free

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

Steven Kemp

Executive Director

Human Factors & Ergonomics Society (HFES)

2001 K Street NW, 3rd Floor N.

Washington, DC 20006

p: (202) 367-1114

e: skemp@hfes.org

e: skemp@smithbucklin.com

American National Standards (ANS) Process

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

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

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

- ANSI Essential Requirements: Due process requirements for American National Standards (always current edition):
www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures):
www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS):
www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form):
www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS:
www.ansi.org/asd
- American National Standards Key Steps:
www.ansi.org/anskeysteps
- American National Standards Value:
www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers:
<https://www.ansi.org/portal/psawebforms/>
- Information about standards Incorporated by Reference (IBR):
<https://ibr.ansi.org/>
- ANSI - Education and Training:
www.standardstolearn.org

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

A3 - Association for Advancing Automation

March 2024

The following meetings of the A3 - Association for Advancing Automation will be held as follows.

Meeting Format: In-person Meeting, with virtual connection if possible

Location: Universal Robots/Teradyne, 600 Riverpark Drive, North Reading, MA 01864

Meeting Host/Sponsor: Universal Robots

ANSI-Accredited Standards Committee: R15.06, Industrial Robot Safety

Purpose: Work on Part 3 and U.S. National Adoption

Day/Date/Time: Monday, Mar 18, 2024, 8:30 AM – Tuesday, Mar 19, 2024, 11:30 AM Eastern Time

ANSI-Accredited Standards Committee: U.S. TAG to ISO TC 299, Robotics

Purpose: Develop U.S. Positions on business before the ISO TC 299

Day/Date/Time: Tuesday, Mar 19, 2024, 1:00 PM - 5:30 PM, Eastern Time

ANSI-Accredited Standards Committee: R15.08, Industrial Mobile Robot Safety

Purpose: Gain full committee input on partially-drafted Part 3

Day/Date/Time: Wednesday, Mar 20, 2024, 1:00 PM – Thursday, Mar 21, 2024, 4:45 PM, Eastern Time

ANSI-Accredited Standards Committee: R15 Standards Approval Committee (SAC)

Purpose: Discuss topics relevant to all R15 Committees, and planned standards to be balloted in 2024

Day/Date/Time: Friday, Mar 22, 2024, 8:30 - 10:30 AM, Eastern Time

For inquiries please contact: Carole Franklin, cfranklin@automate.org, Maren Roush, mroush@automate.org, or the general standards team inbox, standards@automate.org.

Meeting Notices (Standards Developers)

ANSI Accredited Standards Developer

B11 - B11 Standards, Inc.

Meeting Time: January 2024

B11 Standards Development Committee

The ANSI B11 Standards Development Committee, administered by the Secretariat (B11 Standards, Inc.), will hold its semi-annual meeting on 16-17 January 2024 at Amazon in Nashville, TN.

The B11 SDC is an ANSI-accredited standards committee on the broad topic of machinery safety, and the purpose of this meeting is to discuss ongoing issues and the business of the B11 SDC. This meeting is open to anyone with an interest in safety and the safe use of machines, however, any voting will be restricted to full members of this Committee. If you have an interest in participating in this meeting as an observer or would like more information, please contact David Felinski at (dfelinski@b11standards.org).

B11.26

The B11.26 Subcommittee (Functional Safety for Equipment / Machine Control Systems) will hold its third revision meeting on 18-19 January 2024 at Amazon in Nashville, TN.

If you have an interest in participating in this meeting as an observer or would like more information, please contact David Felinski at (dfelinski@b11standards.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.

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ISO & IEC Draft International Standards



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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Ageing societies (TC 314)

ISO/DIS 25556, Ageing societies - General requirements and guidelines for ageing-inclusive digital economy - 3/11/2024, \$119.00

Agricultural food products (TC 34)

ISO/DIS 5132, Animal and vegetable fats and oils - HPLC analysis of phenolic antioxidants - 3/8/2024, \$58.00

ISO/DIS 13136-1, Microbiology of the food chain - Detection, isolation and characterization of Shiga toxin-producing Escherichia coli (STEC) - Part 1: Horizontal method for the detection and isolation of Shiga toxin-producing Escherichia coli (STEC) - 3/9/2024, \$88.00

Banking and related financial services (TC 68)

ISO/DIS 17442-3, Financial services - Legal entity identifier (LEI) - Part 3: Verifiable LEIs (vLEIs) - 3/8/2024, \$33.00

Cranes (TC 96)

ISO/DIS 4306-1, Cranes - Vocabulary - Part 1: General - 3/8/2024, \$175.00

Industrial automation systems and integration (TC 184)

ISO/DIS 8000-118, Data quality - Part 118: Application of ISO 8000-115 to natural location identifiers - 3/10/2024, \$107.00

Non-destructive testing (TC 135)

ISO/DIS 16826, Non-destructive testing - Ultrasonic testing - Testing for discontinuities perpendicular to the surface - 3/14/2024, \$62.00

Petroleum products and lubricants (TC 28)

ISO/DIS 6583, Specification of methanol as a fuel for marine applications - 3/9/2024, \$58.00

Plain bearings (TC 123)

ISO/DIS 4378-1, Plain bearings - Terms, definitions, classification and symbols - Part 1: Design, bearing materials and their properties - 3/11/2024, \$119.00

ISO/DIS 4378-2, Plain bearings - Terms, definitions, classification and symbols - Part 2: Friction and wear - 3/10/2024, \$62.00

ISO/DIS 4378-3, Plain bearings - Terms, definitions, classification and symbols - Part 3: Lubrication - 3/10/2024, \$77.00

Road vehicles (TC 22)

ISO/DIS 11983, Road vehicles - Safety glazing materials - Test methods for electro-switchable glazing - 3/10/2024, \$62.00

Small craft (TC 188)

ISO/DIS 8846, Small craft - Electrical devices - Protection against ignition of surrounding flammable gases - 3/10/2024, \$53.00

Terminology (principles and coordination) (TC 37)

ISO/DIS 24617-12, Language resource management - Semantic annotation framework (SemAF) - Part 12: Quantification - 3/9/2024, \$112.00

Textiles (TC 38)

ISO/DIS 9073-7, Nonwovens - Test methods - Part 7: Determination of bending length - 3/9/2024, \$46.00

Welding and allied processes (TC 44)

ISO/DIS 636, Welding consumables - Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels - Classification - 3/14/2024, \$62.00

ISO/DIS 22073-1, Gas welding equipment - Part 1: Line pressure regulators and line pressure regulators with flow-metering devices for gas distribution pipelines up to 60 bar (6 MPa) - 3/14/2024, \$62.00

IEC Standards

32B/742/NP, PNW 32B-742 ED1: Low-voltage fuses: Product data and properties for information exchange, 03/15/2024

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

100/4072/CDV, IEC 62394 ED5: Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET, 03/15/2024

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

46F/655/CDV, IEC 61169-23 ED1: Radio-frequency connectors - Part 23: Pin and socket connector for use with 3.5 mm rigid precision coaxial lines with inner diameter of outer conductor of 3.5 mm (0.1378 in), 03/15/2024

46A/1662/FDIS, IEC 61196-13-1 ED1: Coaxial communication cables - Part 13-1: Blank detail specification for semi-rigid cables with silicon dioxide dielectric, 02/02/2024

Electric traction equipment (TC 9)

9/3026/CDV, IEC 62848-3 ED1: Railway applications - Fixed installations - DC surge arresters and voltage limiting devices - Part 3: Guidance on application, 03/15/2024

Electrical accessories (TC 23)

23A/1061(F)/FDIS, IEC 61084-2-2/AMD1 ED2: Cable trunking systems and cable ducting systems for electrical installations - Part 2-2: Particular requirements - Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor, 01/26/2024

23A/1063(F)/FDIS, IEC 61084-2-3/AMD1 ED1: Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets, 01/26/2024

23A/1062(F)/FDIS, IEC 61084-2-4/AMD1 ED2: Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements - Service poles and service posts, 01/26/2024

23E/1343/NP, PNW 23E-1343 ED1: Residual current operated circuit-breakers for household and similar uses for dc systems - Part 2: Residual current operated circuit breakers without integral overcurrent protection (DC-RCCBs), 03/15/2024

23H/549/NP, PNW TS 23H-549 ED1: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 8: Safety requirements of Vehicle to Load adapter for electric vehicle, 02/16/2024

Electrical apparatus for explosive atmospheres (TC 31)

31J/361/CD, IEC 60079-10-1 ED4: Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres, 03/15/2024

31/1757/CD, IEC 60079-29-0 ED1: Explosive atmospheres - Part 29-0: Gas detectors - General requirements and test methods, and possible supplementary parts., 02/16/2024

Electrical equipment in medical practice (TC 62)

62B/1347/FDIS, IEC 61223-3-8 ED1: Evaluation and routine testing in medical imaging departments - Part 3-8: Acceptance and constancy tests - Imaging performance of X-ray equipment for radiography and radioscopy, 02/02/2024

62A/1542/CD, ISO TS 81001-2-1 ED1: Health software and health IT systems safety, effectiveness and security - Part 2-1: Coordination - Guidance for the use of assurance cases for safety and security, 02/16/2024

62A/1543/NP, PNW TS 62A-1543 ED1: Medical electrical equipment - Part 4-X: Guidance and interpretation - Medical electrical equipment and medical electrical systems - Physiological and Anthropometric Characteristics for human and animal patients, 03/15/2024

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

104/1035(F)/FDIS, IEC 60068-2-86 ED1: Environmental testing - Part 2-86: Tests -Test Fx: Vibration - Multi-exciter and multi-axis method, 01/12/2024

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

112/627/FDIS, IEC 62836 ED1: Measurement of internal electric field in insulating materials - Pressure wave propagation method, 02/02/2024

Fibre optics (TC 86)

86B/4848/CD, IEC 61300-2-37 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-37: Tests - Cable bending for fibre optic protective housings and hardened connectors, 02/16/2024

86B/4847/FDIS, IEC 61300-2-44 ED4: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-44: Tests - Flexing of the strain relief of fibre optic devices and components, 02/02/2024

86B/4851/CD, IEC 61300-2-5/AMD1 ED4: Amendment 1 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion, 02/16/2024

86B/4854/CD, IEC 61300-2-50 ED2: Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-50: Tests - Fibre optic connector proof test with static load, 02/16/2024

86B/4852/CD, IEC 61300-3-7/AMD1 ED3: Amendment 1 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components, 02/16/2024

86C/1907/CD, IEC 61757 ED2: Fibre optic sensors - Generic specification, 03/15/2024

86C/1908/CD, IEC 62148-11 ED3: Fibre optic active components and devices - Package and interface standards - Part 11: 14-pin modulator integrated laser diode modules and pump laser diode modules, 03/15/2024

86B/4855/NP, PNW 86B-4855 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-07: Hardened fibre optic connectors terminated on singlemode fibre for category A - Outdoor aerial environment, 03/15/2024

86B/4856/NP, PNW 86B-4856 ED1: Fibre optic interconnecting devices and passive components - Performance standard - Part 021-08: Hardened fibre optic connectors terminated on singlemode fibre for category G - Outdoor ground environment, 03/15/2024

Flat Panel Display Devices (TC 110)

110/1601/CD, IEC TR 63145-202-40 ED1: Eyewear display - Part 202-40: General information of AR type - Frontal stray lights, 02/16/2024

Fuses (TC 32)

32A/360/CD, IEC TR 62655 ED2: Tutorial and application guide for high-voltage fuses, 03/15/2024

Industrial-process measurement and control (TC 65)

65C/1278/CDV, IEC 62657-2 ED4: Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management, 03/15/2024

Lightning protection (TC 81)

81/755(F)/FDIS, IEC 62561-7 ED3: Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing compounds, 01/05/2024

Measuring equipment for electromagnetic quantities (TC 85)

85/900/CDV, IEC 61557-1/AMD1 ED3: Amendment 1 - 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 1: General requirements, 03/15/2024

Measuring relays and protection equipment (TC 95)

95/549/CD, IEC 60255-27/AMD1 ED3: Amendment 1 - Measuring relays and protection equipment - Part 27: Product safety requirements, 02/16/2024

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

106/626/CDV, IEC 62232/AMD1 ED3: Amendment 1 - Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure, 03/15/2024

Performance of household electrical appliances (TC 59)

59M/167/FDIS, IEC 60704-2-14/AMD2 ED2: Amendment 2 - Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers, 02/02/2024

59F/484/NP, PNW 59F-484 ED1: Battery-related items for surface cleaning appliances for household or similar use - Methods for measuring the performance, 03/15/2024

Power electronics (TC 22)

22/374/FDIS, IEC 60146-1-1 ED5: Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements, 02/02/2024

Power system control and associated communications (TC 57)

57/2640/CD, IEC 61850-7-410 ED3: Communication networks and systems for power utility automation - Part 7-410: Basic communication structure - Hydroelectric power plants - Communication for monitoring and control, 03/15/2024

Printed Electronics (TC 119)

119/476/FDIS, IEC 62899-202-8 ED1: Printed electronics - Part 202-8: Materials - Conductive ink - Measurement of difference in resistance of printing direction of conductive film fabricated with wire-shaped materials, 02/02/2024

Safety of household and similar electrical appliances (TC 61)

61/7091/CD, IEC 60335-2-123 ED1: Household and similar electrical appliances - Safety - Part 2-123: Particular requirements for robots, 03/15/2024

61/7095/CD, IEC TS 63457-1 ED1: Household and similar electrical appliances - Repair, refurbishment, and remanufacturing of an appliance and subsequent safety testing - Part 1 - General safety requirements, 03/15/2024

Safety of machinery - Electrotechnical aspects (TC 44)

44/1016/CDV, IEC 61496-3 ED4: Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse Reflection (AOPDDR), 03/15/2024

44/1020/FDIS, IEC 62061/AMD1 ED2: Amendment 1 - Safety of machinery - Functional safety of safety-related control systems, 02/02/2024

Secondary cells and batteries (TC 21)

21A/867/CDV, IEC 63369-1 ED1: Methodology for the Carbon Footprint calculation applicable to industrial Lithium-ion batteries, 03/15/2024

Semiconductor devices (TC 47)

47E/819/CDV, IEC 60747-5-4/AMD1 ED2: Amendment 1 - Semiconductor devices - Part 5-4: Optoelectronic devices - Semiconductor lasers, 03/15/2024

47/2823/CDV, IEC 60749-34-1 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 34-1: Power cycling test for power semiconductor module, 03/15/2024

Solar photovoltaic energy systems (TC 82)

82/2210/CD, IEC TS 61724-2 ED2: Photovoltaic system performance - Part 2: Capacity evaluation method, 02/16/2024

82/2212/NP, PNW TS 82-2212 ED1: Coupled-Stress Acceleration Test Sequence for Photovoltaic Modules and Materials, 02/16/2024

Surface mounting technology (TC 91)

91/1923/FDIS, IEC 61189-2-720 ED1: Test methods for electrical materials, circuit board and other interconnection structures and assemblies - Part 2-720: Detection of defects in interconnection structures by measurement of capacitance, 02/02/2024

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

121B/193(F)/FDIS, IEC 61439-3 ED2: Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO), 01/12/2024

(TC 131)

131/5/NP, PNW 131-5 ED1: Rotating electrical machines for the traction of road vehicles, 03/15/2024

Wearable electronic devices and technologies (TC 124)

124/263/FDIS, IEC 63203-301-1 ED1: Wearable electronic devices and technologies - Part 301-1: Test method of electrochromic films for wearable equipment, 02/02/2024

ISO/IEC JTC 1, Information Technology**(TC)**

JTC1-SC41/384/CDV, ISO/IEC 30184 ED1: Internet of Things (IoT) - Autonomous IoT object identification in connected home - Requirements and framework, 03/15/2024



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 52945:2023](#), Additive manufacturing for automotive - Qualification principles - Generic machine evaluation and specification of key performance indicators for PBF-LB/M processes, \$157.00

Fine Bubble Technology (TC 281)

[ISO 20480-5:2023](#), Fine bubble technology - General principles for usage and measurement of fine bubbles - Part 5: Shelled bubble vocabulary, \$51.00

[ISO 23016-4:2023](#), Fine bubble technology - Agricultural applications - Part 4: Test method for evaluating the number concentration of ultrafine bubbles (UFB) achieving the promotion of barley seed germination, \$77.00

Glass in building (TC 160)

[ISO 22897:2023](#), Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules, \$77.00

Measurement of fluid flow in closed conduits (TC 30)

[ISO 24062:2023](#), Measurement of fluid flow in closed conduits - Clamp-on ultrasonic transit-time meters for liquids and gases, \$183.00

Occupational health and safety management systems (TC 283)

[ISO 45006:2023](#), Occupational health and safety management - Guidelines for organizations on preventing, controlling and managing infectious diseases, \$183.00

Petroleum products and lubricants (TC 28)

[ISO 4259-5:2023](#), Petroleum and related products - Precision of measurement methods and results - Part 5: Statistical assessment of agreement between two different measurement methods that claim to measure the same property, \$210.00

Photography (TC 42)

[ISO 18946:2023](#), Imaging materials - Reflection colour photographic prints - Method for testing humidity fastness, \$116.00

Plastics (TC 61)

[IEC 62321-11:2023](#), \$263.00

Robots and robotic devices (TC 299)

[IEC 80601-2-77:2019/Amd 1:2023](#), \$22.00

Transport information and control systems (TC 204)

[ISO 17361:2017/Amd 1:2023](#), - Amendment 1: Intelligent transport systems - Lane departure warning systems - Performance requirements and test procedures - Amendment 1, \$22.00

Water re-use (TC 282)

[ISO 21939-2:2023](#), Method to calculate and express energy consumption of industrial wastewater treatment for the purpose of water reuse - Part 2: Accounting for energy recovery, \$77.00

ISO Technical Specifications

Industrial automation systems and integration (TC 184)

[ISO/TS 23301:2023](#), STEP geometry visualization services, \$183.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 5338:2023](#), Information technology - Artificial intelligence - AI system life cycle processes, \$210.00

[ISO/IEC 19775-1:2023](#), Computer graphics, image processing and environmental data representation - Extensible 3D (X3D) - Part 1: Architecture and base components, \$237.00

IEC Standards

Electrical equipment in medical practice (TC 62)

[IEC 60601-2-35 Amd.1 Ed. 2.0 b:2023](#), Amendment 1 - Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use, \$25.00

[IEC 60601-2-35 Ed. 2.1 b:2023](#), Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use, \$582.00

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 6 – Paper, board and pulps

Reply Deadline: January 31, 2024

ANSI has been informed by the ISO Technical Management Board (ISO/TMB) that Canada (SCC), the ISO delegated Secretariat of ISO/TC 6 – *Paper, board and pulps*, wishes to relinquish the role of the Secretariat.

ISO/TC 6 operates under the following scope:

Standardization in the field of paper, board pulps cellulosic nanomaterials, and lignins, including terminology, sampling procedures, test methods, product and quality specifications, and the establishment and maintenance of appropriate calibration systems. This includes all types of paper, pulps and board as well as products thereof containing any portion of recycled material or material intended for recycling. Excluded: Matters falling within the scopes of particular technical committees (e.g. ISO / TC 42, 46, 122, 130, 154) with which liaison should be maintained.

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 6. 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.

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

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.



2024 Standards Action Publishing | Volume No. 55

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

ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
01	12/19/2023	12/25/2023	Jan 5	2/4/2024	2/19/2024	3/5/2024
02	12/26/2023	1/1/2024	Jan 12	2/11/2024	2/26/2024	3/12/2024
03	1/2/2024	1/8/2024	Jan 19	2/18/2024	3/4/2024	3/19/2024
04	1/9/2024	1/15/2024	Jan 26	2/25/2024	3/11/2024	3/26/2024
05	1/16/2024	1/22/2024	Feb 2	3/3/2024	3/18/2024	4/2/2024
06	1/23/2024	1/29/2024	Feb 9	3/10/2024	3/25/2024	4/9/2024
07	1/30/2024	2/5/2024	Feb 16	3/17/2024	4/1/2024	4/16/2024
08	2/6/2024	2/12/2024	Feb 23	3/24/2024	4/8/2024	4/23/2024
09	2/13/2024	2/19/2024	Mar 1	3/31/2024	4/15/2024	4/30/2024
10	2/20/2024	2/26/2024	Mar 8	4/7/2024	4/22/2024	5/7/2024
11	2/27/2024	3/4/2024	Mar 15	4/14/2024	4/29/2024	5/14/2024
12	3/5/2024	3/11/2024	Mar 22	4/21/2024	5/6/2024	5/21/2024
13	3/12/2024	3/18/2024	Mar 29	4/28/2024	5/13/2024	5/28/2024
14	3/19/2024	3/25/2024	Apr 5	5/5/2024	5/20/2024	6/4/2024
15	3/26/2024	4/1/2024	Apr 12	5/12/2024	5/27/2024	6/11/2024
16	4/2/2024	4/8/2024	Apr 19	5/19/2024	6/3/2024	6/18/2024
17	4/9/2024	4/15/2024	Apr 26	5/26/2024	6/10/2024	6/25/2024
18	4/16/2024	4/22/2024	May 3	6/2/2024	6/17/2024	7/2/2024
19	4/23/2024	4/29/2024	May 10	6/9/2024	6/24/2024	7/9/2024
20	4/30/2024	5/6/2024	May 17	6/16/2024	7/1/2024	7/16/2024
21	5/7/2024	5/13/2024	May 24	6/23/2024	7/8/2024	7/23/2024
22	5/14/2024	5/20/2024	May 31	6/30/2024	7/15/2024	7/30/2024
23	5/21/2024	5/27/2024	Jun 7	7/7/2024	7/22/2024	8/6/2024
24	5/28/2024	6/3/2024	Jun 14	7/14/2024	7/29/2024	8/13/2024
25	6/4/2024	6/10/2024	Jun 21	7/21/2024	8/5/2024	8/20/2024
26	6/11/2024	6/17/2024	Jun 28	7/28/2024	8/12/2024	8/27/2024
27	6/18/2024	6/24/2024	Jul 5	8/4/2024	8/19/2024	9/3/2024
28	6/25/2024	7/1/2024	Jul 12	8/11/2024	8/26/2024	9/10/2024
29	7/2/2024	7/8/2024	Jul 19	8/18/2024	9/2/2024	9/17/2024



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31	7/16/2024	7/22/2024	Aug 2	9/1/2024	9/16/2024	10/1/2024
32	7/23/2024	7/29/2024	Aug 9	9/8/2024	9/23/2024	10/8/2024
33	7/30/2024	8/5/2024	Aug 16	9/15/2024	9/30/2024	10/15/2024
34	8/6/2024	8/12/2024	Aug 23	9/22/2024	10/7/2024	10/22/2024
35	8/13/2024	8/19/2024	Aug 30	9/29/2024	10/14/2024	10/29/2024
36	8/20/2024	8/26/2024	Sep 6	10/6/2024	10/21/2024	11/5/2024
37	8/27/2024	9/2/2024	Sep 13	10/13/2024	10/28/2024	11/12/2024
38	9/3/2024	9/9/2024	Sep 20	10/20/2024	11/4/2024	11/19/2024
39	9/10/2024	9/16/2024	Sep 27	10/27/2024	11/11/2024	11/26/2024
40	9/17/2024	9/23/2024	Oct 4	11/3/2024	11/18/2024	12/3/2024
41	9/24/2024	9/30/2024	Oct 11	11/10/2024	11/25/2024	12/10/2024
42	10/1/2024	10/7/2024	Oct 18	11/17/2024	12/2/2024	12/17/2024
43	10/8/2024	10/14/2024	Oct 25	11/24/2024	12/9/2024	12/24/2024
44	10/15/2024	10/21/2024	Nov 1	12/1/2024	12/16/2024	12/31/2024
45	10/22/2024	10/28/2024	Nov 8	12/8/2024	12/23/2024	1/7/2025
46	10/29/2024	11/4/2024	Nov 15	12/15/2024	12/30/2024	1/14/2025
47	11/5/2024	11/11/2024	Nov 22	12/22/2024	1/6/2025	1/21/2025
48	11/12/2024	11/18/2024	Nov 29	12/29/2024	1/13/2025	1/28/2025
49	11/19/2024	11/25/2024	Dec 6	1/5/2025	1/20/2025	2/4/2025
50	11/26/2024	12/2/2024	Dec 13	1/12/2025	1/27/2025	2/11/2025
51	12/3/2024	12/9/2024	Dec 20	1/19/2025	2/3/2025	2/18/2025
52	12/10/2024	12/16/2024	Dec 27	1/26/2025	2/10/2025	2/25/2025

Proposed Addendum A to
Normative Sections of
ANSI/ACCA 3 Manual S - 2023
Residential Equipment Selection

4 October 2023 Draft

The proposed edits contained in this proposed addendum are to supersede ANSI/ACCA 3 Manual S – 2023. Note: The **highlighted** additions are shown in underline and deletions are shown in ~~strikethrough~~.

N1.3 Definitions

Terminology directly relevant to *equipment* sizing procedures is defined below.

Size Factor:

The *equipment capacity* divided by the applicable load.

- ***Emergency Electric Resistance Heating Size Factor:*** The *heating capacity* of the electric resistance heat divided by 85% of the *heating load*.

Reason for the edit: Revised to ensure that the capacity of the electric resistance heat elements, and not the heat pump, are used when calculating the emergency electric resistance heating size factor. This is consistent with the other definitions for size factors.

N1.8 OEM Performance Data Requirements

N1.8.3 Performance Data for Electric Resistance Heating

Electric resistance heating *performance data* shall provide the following:

1. Maximum leaving air temperature value.
2. Input kW for each stage of heat (e.g., the total kW value for the active stages); for modulating control, minimum input kW, and maximum input kW.
3. ~~Blower data requirements also apply.~~ Minimum airflow requirements.

Reason for the edit: Corrected an error in the text. Electric heaters have maximum leaving air temperatures to prolong the heaters life, which is based on the airflow across the heater. Although the airflow is related to the selected equipment's blower data, the electric heater manufacturer does not publish this data. This requirement relates to the sizing of electric resistance heat and not to the Manual S requirements for the information that electric heater performance data is required to provide, as specified in this section.

N2.1 Compliance with Size Limits

Selection and *equipment* sizing shall conform to the OEM's engineering guidance pertaining to *operating limits* for the *operating conditions*. Selection and sizing shall conform to the efficiency rating requirement (SEER, HSPF, AFUE, EER, or COP value) in accordance with local codes and regulations.

For all *equipment*, the acceptable size is demonstrated when the *size factor* is within the range(s) specified by the *size limit*. The following *size factors* are used to compare to the *size limits* as specified below:

2. *Heating size factors*:

- C. *Emergency electric heat resistance size factor*: The *heating capacity of the electric resistance heat* divided by 85% of the Manual J heat loss.

Reason for the edit: The requirement is further clarified based on the earlier revised definition.

N2.4.1 Supplemental Heat

3. *Size limits*:

- a. For air-air heat pumps and water-air heat pumps with a *supplemental heating load* less than or equal to 15,000 BTU/h, the supplemental electric resistance heating *size limit* shall be 5 kW.
- b. For air-air heat pumps and water-air heat pumps with a *supplemental heating load* greater than 15,000 BTU/h, the *supplemental electric resistance heating size factor* shall be less than or equal to 1.75, ~~or~~ and greater than 0.95.

Reason for the edit: Corrected an error in the text, should be “and” not “or.” The intent, as with other Manual S sizing requirements, is to set maximum and minimum boundaries. The intent is to require an upper and lower limit therefore, the use of the word “or” is incorrect. The current use of the word “or” allows the designer to use either the lower limit or the upper limit. With the current wording, the designer could, for example, select supplemental electric heat that is 400% oversized, which would drastically exceed what ACCA intended.

N2.4.2 Emergency Heat

- 2 For air-air heat pumps and water-air heat pumps with an *emergency heating load* greater than 15,000 BTU/h, the *emergency electric resistance heating size factor* shall be less than or equal to 1.75, ~~or~~ and greater than 0.95.

Reason for the edit: Corrected an error in the text, should be “and” not “or.” The intent, as with other Manual S sizing requirements, is to set maximum and minimum boundaries. The intent is to require an upper and lower limit therefore, the use of the word “or” is incorrect. The current use of the word “or” allows the designer to use either the lower limit or the upper limit. With the current wording, the designer could, for example, select emergency electric heat that is 400% oversized, which would drastically exceed what ACCA intended.

Table 3
Test Duties¹

Test Duty Number	Number and Type of Operation	Phases	Test Voltage Line-to-Line (Volts rms)	Closing at First Major Peak, (Amperes, Peak)	Interrupting Current	Asymmetry, (Percent)	Reference
Load Current Switching Tests (Conditional test see 3.8)					Percent of Rated Continuous Current		
LS1	(One) O or CO	3	E		3 to 7	Random	3.8
LS2	(One) O or CO	3	E		95 to 100	Random	3.8
LS1a	(Three) O or CO	1	0.87E		3 to 7	Random	3.8
LS2a	(Three) O or CO	1	0.87E		95 to 100	Random	3.8
Short-Time Current and Peak Current Withstand Tests (see 3.9)							
STC	Carry Current	1 or 3	Any convenient level	F x I (see note 3)			3.9
Short-Circuit Current Tests (see 3.10)					Amperes rms		
SC1	O – t _r –	3	E		I (O)	< 20	3.10
	CO – t' _r –	3	E	F x I	I to 1.1*I (CO) I to 1.1*I (CO)	Random	
	CO	3	E			Random	
SC1a	C – t' _r –	3	E	F x I			3.10
	C	3	E				
SC1b	O – t _r –	3	E		I (O)	< 20	3.10
	O – t' _r –	3	E		I to 1.1*I (CO)	Random	
	O	3	E		I to 1.1*I (CO)	Random	
SC2	(Three) O	3	E		0.44 to 0.66 I		3.10
SC3 ²	(One) CO	3	E	F x I	I		3.10
SC3a ²	(One) C	3	E	F x I			3.10
SC3b ²	(One) O	3	E		I		3.10

¹ Symbols used in this table are in accordance with the indicated clauses of IEEE C37.09.

² SC3 must follow SC1 and SC2. If the conformance testing is combined with type testing in accordance with IEEE C37.09, SC3 may be satisfied by completion of any one of the three required T100a test duties performed as a CO.

³ Peak withstand. The breaker is in the closed position for this test.

BSR/UL 61010-2-011, Standard for Safety for Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-011: Particular Requirements for Refrigerating Equipment

1. Revisions to Clause 1.1.1DV.1 and Clause 1.1.2DV to remove the ammonia (NH₃) references.

PROPOSAL

1.1.1 Equipment included in scope

1.1.1DV.1 D2 Modification of Clause 1.1.1 to replace with the following:

For REFRIGERATION SYSTEM with more than 150 g per stage, the requirement of UL 60335-2-89 shall be used. Transcritical REFRIGERATION SYSTEMS ~~and systems that use ammonia (NH₃) as the REFRIGERANT~~ shall be evaluated to the requirements of UL 60335-2-89.

1.1.2 Equipment excluded from scope

1.1.2DV D2 Modification of Clause 1.1.2DV, item aa) to replace with the following:

aa) **a system that uses ammonia (NH₃) as the REFRIGERANT.**

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BSR/UL 746B, Standard for Safety for Polymeric Materials – Long Term Property Evaluations

2. Addition of Requirements for Heat Aging of Polymeric Films and Thin Sheets in a New Subsection 21.4 and Table 21.6

PROPOSAL

Table 21.6
Typical Number of Specimens Required for Thermal Aging of Film Materials

Test			Specimens				
Test material	Property	Method	Thickness mm	Number per set	Number for initial tests	Number for all temperatures	Total ^{d, e, f}
Candidate (proposed)	Tensile strength and/or elongation ^{f, g}	UL 746A	ST-Candidate ^a	5	10	220	230
			MT ^b	5	10	110	120
	Dielectric strength ^h	UL 746A	MT ^b	5	10	220	230
	Flammability (materials rated VTM-2 or V-2 or better)	UL 94	MT ^b	5	10	160	170
Control (known)	Tensile strength and/or elongation ^{f, g}	UL 746A	ST-Control ^c	5	10	220	230
			Dielectric strength ^h	UL 746A	ST-Control ^c	5	10

^a ST-Candidate: Any thickness below ≤ 0.25 mm for films and below ≤ 0.99 mm for thin sheets that undergoes 4 point aging program for the candidate

^b MT: Minimum thickness evaluated for the candidate

^c ST-Control: Thickness at which control was evaluated for 4 point aging to get its RTI rating.

^d It is recommended to prepare samples in excess of this total in case there is a dispute of the results and re-evaluation is considered necessary.

^e For example, 5 specimens per 5 initial sets (B - F) plus 5 specimens per 3 delayed sets (G - I) plus 5 specimens for 3 extra sets (J - L) equals 55 specimens, multiplied by 4 temperature equals 220 specimens plus 10 unaged (set A) specimens equals 230 total specimens.

^f For anisotropic materials, total number of samples are cut in each machine and transverse direction.

Test			Specimens				
Test material	Property	Method	Thickness mm	Number per set	Number for initial tests	Number for all temperatures	Total ^{d, e, f}
<p>^g Test specimens cut in the form of rectangular strips of dimension 25.4 mm (1.0 in.) by 203.2 mm (8.0 in.) are found to be useful in accordance with the Standard Test Method for Tensile Properties of Thin Plastic Sheeting, ASTM D882 or Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets, ISO 527-3.</p> <p>^h In accordance with the Standard Test Method for Thermal Endurance of Flexible Sheet Materials Used for Electrical Insulation by the curved Electrode Method, ASTM D1830 or the Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies, ASTM D149 or Electric strength of insulating materials – Test methods – Part 1: Tests at power frequencies, IEC 60243-1.</p>							

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HFES 400-2021: Human Readiness Level Scale in the System Development Process

Due to a recent ANSI audit, HFES is making limited substantive changes to one of its approved American National Standards available for public review. The changes are to HFES 400-2021: Human Readiness Level Scale in the System Development Process and the underlined text below is available for public comment.

You can access the changes and the public review forms on the standards development page of HFES.org. The deadline to comment is Monday, January 22, 2024.

HFES is a member of and approved by the American National Standards Institute (ANSI) as an ANSI-accredited standards developer.

Because the HRL scale focuses on readiness for human use, the role of human users at each level becomes a much more relevant consideration as compared to the TRL scale. As stated in Table 4-2, HRL 5 is the latest level to begin engaging representative users during demonstration and testing. While it is desirable to incorporate representative users whenever possible, human systems experts may consult and collect data from any types of users who are available at any time throughout the process. Samples of convenience (e.g., college students, members of the design team, and retired operators) may be a practical option to facilitate data collection in the early phases of design and development. If representative users are available to participate, they can and should be used at any HRL level. For instance, representative users of legacy systems might be interviewed at HRL 1 and HRL 2 to understand key human-technology interactions, potential sources of human error and misuse, and potential human performance issues and risks. By HRL 5, however, it is no longer acceptable to continue using samples of convenience. Representative users must be involved at HRL 5 and above.