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Contents

American National Standards

Call for comment on proposals listed

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. Fax: 212-840-2298; e-mail: psa@ansi.org

* Standard for consumer products

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ISSN 0038-9633

Comment Deadline: January 19, 2020

NSF (NSF International)

Revision

BSR/NSF 49-202x (i54r6), Biosafety Cabinetry - Design Construction, Performance and Field Certification (revision of ANSI/NSF 49 -2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

BSR/NSF 49-202x (i149r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49 -2019)

This Standard applies to Class II (laminar flow) biosafety cabinetry designed to minimize hazards inherent in work with agents assigned to biosafety levels 1, 2, 3, or 4. It also defines the tests that shall be passed by such cabinetry to meet this Standard. This Standard includes basic requirements for the design, construction, and performance of biosafety cabinets (BSCs) that are intended to provide personnel, product, and environmental protection; reliable operation; durability and structural stability; cleanability; limitations on noise level; illumination; vibration; and motor/blower performance.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: arose@nsf.org

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2808-202x, Standard for Safety for Energy Monitoring Equipment (new standard)

The proposed first edition of Standard for Safety for Energy Monitoring Equipment, ANSI/CAN/UL 2808, covers submetering equipment and open and enclosed type current sensors intended for factory or field installation within distribution and control equipment such as panelboards, switchboards, industrial control equipment, and energy monitoring/management equipment. Installation is in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code (CE Code), CSA C22.1. These requirements also cover "Service Entrance" enclosed-type current sensors intended for indoor and outdoor use.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 9595-202x, Standard for Factory Follow-Up on Personal Flotation Devices (PFDs) (new standard)

UL proposes a recirculation of the UL 9595 proposal dated 10-04-19.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 83-202x, Standard for Safety for Thermoplastic-Insulated Wires and Cables (revision of ANSI/UL 83-2017)

The following topic is being proposed: (1) Modification of requirements for conductor stranding marking on product, Revised 6.1.5 and new Table 42.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 763-202x, Standard for Safety for Motor-Operated Commercial Food Preparing Machines (revision of ANSI/UL 763-2018)

This proposal for UL 763 covers: (3) Proposed requirements for Immersion Blenders.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 2127-202x, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2019)

UL proposes a recirculation of the UL 2127 proposal dated 07-05-19.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 2166-202x, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2019)

UL proposes a recirculation of the UL 2166 proposal dated 07-05-19.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 2225-202x, Standard for Safety for Cables and Cable-Fittings for Use in Hazardous (Classified) Locations (revision of ANSI/UL 2225-2019)

(1) This proposal provides revisions to the proposal document dated October 4, 2019 per comments received.

Click here to view these changes in full

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 9540-202x, Standard for Safety for Energy Storage Systems and Equipment (revision of ANSI/UL 9540-2016)

(1) The proposed second edition of ANSI/CAN/UL 9540 with the following changes: (a) Addition of UL 1973 to Appendix A Component List, (b) Addition of ISO Functional safety standards, (c) Revision of grounding and bonding system construction, (d) Revision of the strength of enclosure walls and supports requirements, (e) References to required signage and instructions, (f) Deletion of non-mandatory language throughout standard, (g) Revision of scope language for clarity, (h) Revisions to the Fire Detection and Suppression Section, (i) Proposed addition of new 32.4.6, (j) Revision to Mechanical Tests for Clarification, (k) Clarification of 1.2, (l) Revision of 6.4, harmonization with other existing standards, (m) Enclosure materials for outdoor installations, (n) Short Circuit Exposure Evaluation, (o) Clarification of scope, (p) Clarifications of Component and Normative Reference section, (q) Clarification of corrosion requirements for enclosures, (r) Revisions to make the use of term “energy storage system” consistent throughout entire standard, (s) Clarification of Instructions for Worker Safety, (t) Revisions to clarify intent and application of 11.1 and 12.2, (u) Clarifications of system requirements for where the system is installed, (v) Clarification of the intended environment, (w) Clarification of Bonding and Grounding Requirements, (x) Clarifications of 17.1 and 18.1, (y) Clarification of 21.1, (z) Clarification of 32.2.2, (aa) Clarification of 40.4 and 40.5, (ab) Clarification of 11.2, (ac) Addition of requirements for residential ESS, (ad) Addition of production checks on electronic controls, (ae) Addition of requirements for quality control of production, (af) Additional testing options, (ag) Addition of a Wall Mount Fixture test for wall-mounted ESS, (ah) Addition of Normative Appendix D for alternative lead acid or ni-cad battery system evaluation, (ai) Revision of 12.3 to add short circuit protection, (aj) Addition of Informative Appendix E for Guidance on Capacity and Separation Distance Limits for ESS, (ak) Addition of EMC testing, (al) Revision of utility grid interaction reaction requirements, (am) Clarification of the scope, (an) Clarification of Vapor concentration requirements, (ao) Addition of emergency contact marking, (ap) Clarification of flame test surface area, and (aq) Addition of 8.2 and Appendix F.

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Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 3, 2020

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 80369-7-202x, Small-bore connectors for liquids and gases in healthcare applications - Part 7: Connectors for intravascular or hypodermic applications (identical national adoption of ISO 80369-7 (Ed.2) and revision of ANSI/AAMI/ISO 80369-7 -2016)

Specifies dimensions and requirements for the design and functional performance of small-bore connectors intended to be used for connections in intravascular applications or hypodermic connections in hypodermic applications of medical devices and accessories.

Single copy price: Free

Obtain an electronic copy from: celliott@aami.org

Send comments (with optional copy to psa@ansi.org) to: celliott@aami.org

APTech (ASC CGATS) (Association for Print Technologies)

Reaffirmation

BSR/CGATS 21-1-2013 (R202x), Graphic technology - Printing from digital data across multiple technologies - Part 1: Principles (reaffirmation of ANSI/CGATS 21-1-2013)

This part of CGATS 21 establishes principles for the use of color characterization data as the definition of the intended relationship between input data and printed color for copy preparation, job assembly, proofing, and graphic arts production printing. Additional parts of CGATS 21 specify a limited number of characterized reference printing conditions that span the expected range of color gamuts used for the production of printed material from digital data, regardless of the printing process used. The procedure to be used to adjust color characterization data for the normally expected range of substrate color is specified.

Single copy price: $16.00

Obtain an electronic copy from: jlinder@aptech.org

Send comments (with optional copy to psa@ansi.org) to: Jeff Linder, (703) 264-7220, jlinder@aptech.org

BSR/CGATS 21-2-2013 (R202x), Graphic technology - Printing from digital data across multiple technologies - Part 2: Reference characterization data-2013 (reaffirmation of ANSI/CGATS 21-2-2013)

This part of CGATS.21 specifies a limited number of characterized reference printing conditions that span the expected range of color gamuts used for the production of printed material from digital data, regardless of the printing process used.

Single copy price: $22.00

Obtain an electronic copy from: jlinder@aptech.org

Send comments (with optional copy to psa@ansi.org) to: Jeff Linder, (703) 264-7220, jlinder@aptech.org

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

Addenda

BSR/ASHRAE Addendum 55d-202x, Thermal Environmental Conditions for Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013)

This proposed addendum removes the Graphical Comfort Zone Method (Section 5.3.1) from the Standard and replaces it with example graphics using the Analytical Comfort Zone Method (Section 5.3.2) and the Elevated Air Speed Comfort Zone Method (Section 5.3.3). All references to the “graphical method” have been removed and section headings updated.

Single copy price: $35.00

Obtain an electronic copy from: Free download at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Order from: Send request to standards.section@ashrae.org

Send comments (with optional copy to psa@ansi.org) to: Online Comment Database at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

New Standard

BSR/ASHRAE Standard 164.4-202x, Methods of Test for Commercial and Industrial Adiabatic Humidifiers (new standard)

ASHRAE Standard 164.4-201x establishes a uniform method of laboratory performance testing of commercial and industrial adiabatic humidifiers.

Single copy price: $35.00

Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts

Order from: Carmen King, (404) 636-8400, cking@ashrae.org

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

ASSP (Safety) (American Society of Safety Professionals)

Revision

BSR/ASSP Z9.14-202X, Testing and Performance-Verification Methodologies for Biosafety Level 3 (BSL-3) and Animal Biosafety Level 3 (ABSL-3) Ventilation Systems (revision and redesignation of ANSI/ASSE Z9.14-2014)

High containment laboratory certification is the systematic review and evaluation of all safety features and processes associated with the laboratory (engineering controls, personal protective equipment, building and system integrity, standard operating procedures (SOPs)) and administrative controls. The methodology for certifying a BSL-3 will assist professionals in ensuring that all reasonable facility controls and prudent practices are in place to minimize, to the greatest extent possible, the risks associated with laboratory operations and the use of biohazardous materials.

Single copy price: $99.00

Obtain an electronic copy from: OMunteanu@ASSP.org

Order from: Ovidiu Munteanu, (847) 699-2929, OMunteanu@ASSP.org

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

AWWA (American Water Works Association)

Revision

BSR/AWWA C225-202x, Fused Polyolefin Coatings for Steel Water Pipe (revision of ANSI/AWWA C225-2013)

This standard describes the materials and application of fused polyolefin coating systems for buried service. This system is applied in pipe coating plants, both portable and fixed, using coating techniques and equipment as recommended by the manufacturer.

Single copy price: Free

Obtain an electronic copy from: etssupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul Olson, polson@awwa.org

BSR/AWWA D106-202x, Sacrificial Anode Cathodic Protection Systems for the Interior Submerged Surfaces of Steel Water Storage Tanks (revision of ANSI/AWWA D106-2015)

This standard describes sacrificial anode cathodic protection systems intended to minimize corrosion of interior submerged surfaces of steel water storage tanks.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Vicki David, vdavid@awwa.org

Send comments (with optional copy to psa@ansi.org) to: AWWA, Paul Olson, polson@awwa.org

CSA (CSA America Standards Inc.)

Reaffirmation

BSR Z21.23-2010 (R202x), Gas Appliance Thermostats (reaffirmation of ANSI Z21.23-2010 (R2015))

Details test and examination criteria for integral gas valve type and electric type thermostats which are used as integral parts of gas-burning appliances. It presents minimum levels for the substantial and durable construction, safe operation and acceptable performance for such thermostats. The standard does not apply to wall-mounted thermostats for comfort heating control.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: ansi.contact@csagroup.org

BSR Z21.78-2010 (R202x)/CSA 6.20-2010 (R202x), Combination Gas Controls for Gas Appliances (same as CSA 6.20) (reaffirmation of ANSI Z21.78-2010 (R2015)/CSA 6.20-2010 (R2015))

Details test and examination criteria for combination gas controls having a maximum operating gas pressure of ½ psi (3.45 kPa) with one or more of the following fuel gases: natural, manufactured, mixed, liquefied petroleum and liquefied petroleum gas-air mixtures.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: ansi.contact@csagroup.org

CSA (CSA America Standards Inc.)

Revision

BSR/CSA HGV 4.1-202x, Hydrogen dispensing systems (revision of ANSI/CSA HGV 4.1-2013 (R2019))

This Standard specifies mechanical and electrical requirements for dispensers of compressed hydrogen gas intended for fuel storage systems integral to fuel cell vehicles at pressures of 25, 35, 50, and 70 MPa. Dispensing systems covered by this Standard include (a) HGV dispensers that integrate all dispensing system components in a single unit, including fuel metering and registering, flow control and safety management devices, heat exchangers, and vehicle fuel cylinder over-fill and over-pressure protection with listed hoses with nozzles; or (b) HGV dispensers that are primarily the customer facing unit with fueling hose assembly listed hoses, nozzles, and operator interface, and where the key components of flow metering and over-pressure and over-fill protection are located in a separate unit or part of the hydrogen fueling station system.

Single copy price: Free

Obtain an electronic copy from: david.zimmerman@csagroup.org

Order from: David Zimmerman, (216) 524-4990, ansi.contact@csagroup.org

Send comments (with optional copy to psa@ansi.org) to: david.zimmerman@csagroup.org

CTA (Consumer Technology Association)

New Standard

BSR/CTA 2089.1-202x, Definitions/Characteristics of AI in Health Care (new standard)

This standard defines terms related to artificial intelligence and associated technologies in health care.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

BSR/CTA 2089-202x, Definitions and Characteristics of Artificial Intelligence (new standard)

This standard defines terms related to artificial intelligence and associated technologies.

Single copy price: Free

Obtain an electronic copy from: standards@cta.tech

Order from: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech

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

FCI (Fluid Controls Institute)

Reaffirmation

BSR/FCI 15-1-2015 (R202x), Standard for Production Testing of Pressure Regulators (reaffirmation of ANSI/FCI 15-1-2015)

This standard provides guidelines for documenting minimum production tests and determining pass/fail criteria for pressure regulators undergoing production tests in a manufacturing facility. It applies to most designs including self- and pilot-operated pressure reducing regulators, differential pressure regulators, pressure-loaded regulators, and regulators with or without internal relief valves.

Single copy price: Free

Obtain an electronic copy from: fci@fluidcontrolsinstitute.org

Send comments (with optional copy to psa@ansi.org) to: Leslie Schraff, fci@fluidcontrolsinstitute.org

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

New Standard

BSR/ASSE 1086-202x, Reverse Osmosis Water Efficiency - Drinking Water (new standard)

This standard covers water efficiency, automatic shut□off valves, and flow restrictor requirements for Residential Reverse Osmosis (RO) systems and performance testing to address the membrane life concerns of high-efficiency RO membranes. This standard includes test requirements for complete systems or components (RO membrane, automatic shut off valve, flow restrictor). A shut□off device is a required component for system compliance to this standard. Systems that incorporate a flushing mechanism are acceptable. The volume of water used for flushing during normal operation is a part of reject water. This does not include water used for pre□conditioning during system startup.

Single copy price: Free

Obtain an electronic copy from: http://www.iapmo.org/media/23028/asse-1086-ro-efficiency-standard-pr-6dec19.pdf

Send comments (with optional copy to psa@ansi.org) to: conrad.jahrling@asse-plumbing.org. When emailing, cite "PR1086" in the subject line.

IES (Illuminating Engineering Society)

New Standard

BSR/IES LM-20-202x, Approved Method: Photometry of Reflector Type Lamps (new standard)

As used in this laboratory method, a reflector-type lamp is a lamp having a reflective element(s) intended to redirect flux from the emitting element (e.g., filament, arc) to form the intended spatial distribution of the light. For example, a reflective element might take the form of a reflective coating applied to the lamp bulb, or a reflector positioned relative to the emitting element and permanently affixed in this position. This laboratory method does not apply to the following: lamps of standard bulb shape to which an integral reflector is added such as silver-bowl and silvered-neck lamps; reflector-type lamps that are designed for special applications, such as automotive headlamps and projection lamps, for which lamp-specific test procedures have been established; or lamps that are known to have special testing requirements beyond those addressed in this laboratory method such as linear fluorescent reflector lamps that have special temperature or orientation requirements.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-37-202x, Approved Method: IES Guide for Determinatino of Average Luminance (Calculated) for Indoor Luminaires (new standard)

The concept and limitations of average luminance is addressed in this document. Although simple projected area examples are presented and more detailed area calculation methods are developed for reference purposes in Annex A, it remains the user's responsibility to seek out the most appropriate methods or formulas each time he or she determines the actual projected areas for a specific luminaire.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-62-202x, Approved Method: Guide for Laboratory or Field Measurements of Fluorescent Lamps and Ballasts in Luminaires (new standard)

This Approved Method covers only thermal measurement of fluorescent lamps and ballasts in luminaires. Its purpose is to aid luminaire designers in achieving optimum performance of these components in given applications. In addition to the general test procedures outlined in this document, lamp and ballast manufacturers' data sheets should always be consulted when possible. Manufacturers of these products often have technical guides available, detailing product-specific thermal test point locations and limits. Manufacturers should be contacted for these guides for the products used in the design.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-65-202x, Approved Method: Life Testing of Single-Based Fluorescent Lamps (new standard)

The fluorescent lamp is an electric discharge source in which light is produced predominantly by fluorescent powders activated by ultraviolet energy generated by mercury atoms brought to an excited state by collision with electrons in a low-pressure rare-gas mercury discharge or arc. There are two main ways to generate the electrical discharge. The most common is to pass a current through the gas via electrodes (cathodes) that are connected by wires through the glass envelope. The other way is to induce a current without the need of electrodes by use of high-frequency magnetic induction. This type of discharge source is commonly called an electrodeless discharge lamp.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-81-202x, Approved Method: Photometric Testing of Skylights and Tubular Daylighting Devices under Hemispherical Sky Conditions (new standard)

This Lighting Measurement (LM) document provides the IES recommended uniform method for determining and reporting the photometric characteristics of skylights and tubular daylighting devices that incorporate a means to diffuse the natural hemispherical daylight as the daylight passes through the daylighting system. It describes the procedures followed and the precautions observed in obtaining uniform and reproducible measurements of tubular daylighting devices and skylights with glass or plastic glazing. This document identifies the components and the structure type needed to adequately measure daylighting devices. The procedures, calibration of the equipment, and determination of sun angles and sky conditions are also discussed. This method is not recommended for daylight devices with clear glazing.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-85-202x, Approved Method: Optical and Electrical Measurements of LED Packages and LED Arrays (new standard)

To update and improve the IES document based on new knowledge, post-publishing practice, and users' inputs, providing practical measurement procedures.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES LM-86-202x, Approved Method: Measuring Luminous Flux and Color Maintenance of Remote Phosphor Components (new standard)

This Lighting Measurement (LM) document addresses the test method for measuring degradation behavior of the remote phosphor component. In addition to using the method of testing an entire remote-phosphor LED lamp or luminaire per IES LM-84 -14, IES Approved Method for Measuring Luminous Flux and Color Maintenance of LED Lamps, Light Engines, and Luminaires, this LM provides an alternative method, whereby the separable remote phosphor component can be tested.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES RP-37-202x, Recommended Practice: Lighting Airport Outdoor Environments (new standard)

This Recommended Practice (RP) has been prepared as a guide for the application of fixed outdoor lighting in and around the airport environment with respect to the airport’s special requirements. These requirements include (but are not limited to): Height restrictions (such as obstructions affecting navigable airspace) as defined by the governing civil aviation authorities; The ability to distinguish the color of light for visual cues; Prevention of light trespass that may interfere with the vision of pilots or air traffic control tower (ATCT) personnel; Air traffic controllers’ ability to see approaching aircraft and aircraft performing ground operations within the “aircraft movement area” without glare or direct or indirect light trespass; and Pilots’ ability to detect runway lighting without glare or direct or indirect light trespass.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

BSR/IES/NALMCO RP-36-202x, Recommended Practice: Lighting Maintenance (new standard)

How a lighting system will be maintained is important information for lighting designers, just as design information is important for maintenance personnel. Since the maintenance method influences the extent of expected light loss, it also relates to the amount of lumen output needed to maintain the required illuminance. In other words, if a well-maintained lighting system will result in a higher maintained illuminance, then fewer lumens are needed to produce the design level, which may translate to fewer and/or lower-wattage luminaires. This will reduce capital and energy costs.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies.org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

IES (Illuminating Engineering Society)

Reaffirmation

BSR/IES LM-80-2017 (R202x), Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules (reaffirmation of ANSI/IES LM-80-15 Errata-2017)

LEDs typically exhibit very long operational life characteristics and, depending on drive current and use conditions, can be in use for 50,000 hours or longer. The light output from LEDs slowly decreases over time. This characteristic of declining output without catastrophic failure creates a risk that an LED-based lighting product near end-of-life may be operating, but performing outside the product's specification, or outside required codes, standard practices, or regulations. LEDs may also undergo gradual shifts in the emitted spectra over time that may result in unacceptable appearance, color rendering, or degraded efficacy.

Single copy price: $25.00

Obtain an electronic copy from: pmcgillicuddy@ies,org

Order from: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org

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

LIA (ASC Z136) (Laser Institute of America)

Revision

BSR Z136.8-202x, Standard for Safe Use of Lasers in Research, Development or Testing (revision of ANSI Z136.8-2012)

This standard provides recommendations for the safe use of lasers and laser systems that operate at wavelengths between 180 nm and 1 mm and are used to conduct research or used in a research, development, or testing environment. This environment is not limited to universities and national laboratories, but includes medical research facilities and high-tech product development evaluation settings.

Single copy price: $30.00 (PDF Only)

Obtain an electronic copy from: https://www.lia.org/store/product/z1368-safe-use-lasers-research-development-or-testing-draft-2nd-public-review

Send comments (with optional copy to psa@ansi.org) to: Liliana Caldero (lcaldero@lia.org)

NFRC (National Fenestration Rating Council)

New Standard

BSR/NFRC 202-202x, Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (new standard)

To specify a test method for translucent panels to determine the visible transmittance (VTcog) at normal (perpendicular) incidence in accordance with ASTM E972 and ASTM E1084 (except where noted).

Single copy price: Free

Obtain an electronic copy from: jpadgett@nfrc.org

Order from: N/A

Send comments (with optional copy to psa@ansi.org) to: jpadgett@nfrc.org

BSR/NFRC 203-202x, Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (new standard)

To specify a method for measuring the visible transmittance (VT) of Tubular Daylighting Devices (TDD) at an NFRC pre-determined set of representative annual solar incidence angles in accordance with ASTM E1175 (except where noted), and determining the annual visible transmittance rating (VTannual) according to a prescribed weighted-average method.

Single copy price: Free

Obtain an electronic copy from: jpadgett@nfrc.org

Order from: N/A

Send comments (with optional copy to psa@ansi.org) to: jpadgett@nfrc.org

BSR/NFRC 500-202x, Procedure for Determining Fenestration Product Condensation Index Ratings (new standard)

This procedure provides a Condensation Index rating for windows, fully glazed doors, curtain wall systems, site-built products, sloped glazing systems, skylights, Dynamic Glazing Products, and other fenestration products.

Single copy price: Free

Obtain an electronic copy from: jpadgett@nfrc.org

Order from: N/A

Send comments (with optional copy to psa@ansi.org) to: jpadgett@nfrc.org

NFRC (National Fenestration Rating Council)

Revision

BSR/NFRC 400-202x, Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2014 (R2017))

To specify a procedure for determining fenestration product air leakage.

Single copy price: Free

Obtain an electronic copy from: jpadgett@nfrc.org

Order from: N/A

Send comments (with optional copy to psa@ansi.org) to: jpadgett@nfrc.org

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 104-202xa, Automation System to Compression System Communications Applications Program Interface (API) (revision of ANSI/SCTE 104-2019)

This standard defines the Communications API between an Automation System and the associated Compression System that will insert SCTE 35 private sections into the outgoing Transport Stream. This standard serves as a companion to both SCTE 35 and SCTE 30.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

BSR/SCTE 187-1-202x, Stereoscopic 3D Formatting and Coding for Cable (revision of ANSI/SCTE 187-1-2012)

This document defines the video-related formatting, and encoding parameters for high-definition frame-compatible stereoscopic 3D content for distribution on cable television systems. Encoding parameters and constraints defined by this specification can be applied to different content types, including broadcast programming, switched digital video (SDV), VOD content, and advertising content to be inserted into broadcast or VOD content.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

BSR/SCTE 187-2-202x, Stereoscopic 3D PSI Signaling (revision of ANSI/SCTE 187-2-2012)

This document defines the transport and signaling for high-definition frame-compatible stereoscopic 3D content for distribution on cable television systems. Transport parameters and constraints defined by this specification can be applied to different content types, including broadcast programming, switched digital video (SDV), VOD content, and advertising content to be inserted into broadcast or VOD content.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

BSR/SCTE 187-3-202x, Informative Guidance for Stereoscopic Video (revision of ANSI/SCTE 187-3-2012)

This document provides informative guidance for the construction or production of stereoscopic 3D programming material intended for transmission or distribution using the frame-compatible stereoscopic 3D format defined in part 1 [SCTE 187-1] and part 2 SCTE 187 -2] of this standard.

Single copy price: $50.00

Obtain an electronic copy from: admin@standards.scte.org

Order from: Global Engineering Documents, (800) 854-7179, www.global.ihs.com

Send comments (with optional copy to psa@ansi.org) to: admin@standards.scte.org

SERI (Sustainable Electronics Recycling International)

New Standard

BSR/SERI R2-V3-202x, The Sustainable Electronics Reuse & Recycling (R2) Standard (new standard)

The R2 Standard establishes responsible reuse and recycling (“R2”) practices for the management and processing of used electronics globally. By certifying to this Standard through an accredited third-party Certification Body, an R2 Facility can help IT asset managers, sellers of used electronics, and prospective purchasers of IT Asset Disposition, refurbishment, remarketing, and recycling services (among others) make informed decisions and have increased confidence that used electronic equipment is managed in an environmentally responsible manner, protective of the health and safety of workers and the public, and that all data on all devices is secure and effectively destroyed.

Single copy price: Free

Obtain an electronic copy from: https://sustainableelectronics.org/r2v3

Send comments (with optional copy to psa@ansi.org) to: https://sustainableelectronics.org/r2v3

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 961-2014 (R202x), Standard for Safety for Electric Hobby and Sports Equipment (reaffirmation of ANSI/UL 961-2014)

This proposal for UL 961 covers: Reaffirmation and continuance of the Fifth Edition of the Standard for Electric Hobby and Sports Equipment, UL 961, as an American National Standard.

Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx

Order from: http://www.shopulstandards.com

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 507-202x, Standard for Safety for Electric Fans (revision of ANSI/UL 507-2018)

This proposal for UL 507 covers: (1) Addition of the UL 60947-1 (and Applicable Part 4 Standards) Reference for Relays/Controls of Fans Intended for Industrial Use; (2) Endurance cycles for switches evaluated to UL 61058-1; (3) Removal of the UL 353 and UL 991 reference for controls/electronic circuits (replaced by UL 60730-1); (4) Expansion to allow all permanently connected fans using wall-mounted control/switch to provide air-gap-type switch and "Off" position; and (5) Clarify the requirements for heaters when employed in evaporative coolers.

Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx

Order from: http://www.shopulstandards.com

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

BSR/UL 758-202x, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2019)

The following topics are being proposed: (1) Requirements for small strands, Revise Table 5.3; (2) Silver-coated conductors; (3) Revise Table 5.3 3. Requirements for high-voltage DC wire using non-extruded insulation, Revise 3.6 and add new Table 3.6A; (4) Crush Resistance Test, Revise Table 3.2, Table 3.5, Table 3.6, and add new Table 3.6A.

Single copy price: Free

Obtain an electronic copy from: https://csds.ul.com/Home/ProposalsDefault.aspx

Order from: http://www.shopulstandards.com

Send comments (with optional copy to psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 18, 2020

Reaffirmations and withdrawals available electronically may be accessed at: webstore.ansi.org

ASME (American Society of Mechanical Engineers)

New Standard

BSR/ASME PTC 52-200x, Concentrated Solar Power Plants (new standard)

This Code provides procedures, methods, and definitions for the performance testing of the solar-to-thermal conversion systems for Parabolic Trough, Linear Fresnel, and Power Tower CSP Systems. This Code also provides guidance on thermal energy storage systems that are often integral parts of CSP plant designs.

Single copy price: Free

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: Terrell Henry, (212) 591-8489, ansibox@asme.org

Send comments (with optional copy to psa@ansi.org) to: Fredric Constantino, (212) 591-8684, constantinof@asme.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME PTC 30.1-2007 (R202x), Air Cooled Steam Condensers (reaffirmation of ANSI/ASME PTC 30.1-2007 (R2012))

This Code provides uniform test methods for conducting and reporting thermal performance characteristics of mechanical draft air-cooled steam condensers (ACC) operating under vacuum conditions.

Single copy price: $115.00

Obtain an electronic copy from: http://cstools.asme.org/publicreview

Order from: For Reaffirmations and Withdrawn standards please view our catalog at https://www.asme.org/shop/standards

Send comments (with optional copy to psa@ansi.org) to: Lawrence Chan, (212) 591-7052, chanl4@asme.org

SDI (ASC A250) (Steel Door Institute)

Revision

BSR A250.10-202x, Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames (revision of ANSI A250.10-2011)

Members of the SDI Technical Committee determined ANSI/SDI A250.10 required revision to better-define acceptance criteria and test methods and align A250.10 with ANSI/SDI A250.3. Revisions included the addition of a Referenced Documents section; rigorous research of the ASTM standards to ensure any substantive changes did not conflict with A250.10's scope; addition of metric conversions; update of Acceptance criteria; removal of Table 1-Rust grades.

Single copy price: $25.00

Obtain an electronic copy from: www.steeldoor.org

Order from: sab@wherryassoc.com

Send comments (with optional copy to psa@ansi.org) to: leh@wherryassoc.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:

AAMI (Association for the Advancement of Medical Instrumentation)

BSR/AAMI/ISO 5841-2-2014 (R202x), Implants for surgery - Cardiac pacemakers - Part 2: Reporting of clinical performance of populations of pulse generators or leads (reaffirmation of ANSI/AAMI/ISO 5841-2-2014)

Specifies requirements for reports on the clinical performance in humans of population samples of pulse generators or leads, intended for long-term implantation as cardiac pacemakers. It includes general requirements for all reports and supplementary requirements for reports on cumulative experience with devices and estimates of future clinical performance for devices, when appropriate.

Inquiries may be directed to Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ASTM (ASTM International)

BSR/ASTM E2151-2010 (R202x), Terminology of Guides for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings (reaffirmation of ANSI/ASTM E2151-2010)

http://www.astm.org/ANSI_SA

Inquiries may be directed to Corice Leonard, (610) 832-9744, accreditation@astm.org

Notice of Withdrawn ANS by an 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.

AAMI (Association for the Advancement of Medical Instrumentation)

ANSI/AAMI/ISO 5841-2-2014, Implants for surgery - Cardiac pacemakers - Part 2: Reporting of clinical performance of populations of pulse generators or leads

Questions may be directed to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ANSI/AAMI/ISO 5841-3-2013 (R2018), Implants for surgery - Cardiac pacemakers - Part 3: Low-profile connectors (IS-1) for implantable pacemakers

Questions may be directed to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ASTM (ASTM International)

ANSI/ASTM E2151-2010, Terminology of Guides for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings

Questions may be directed to: Corice Leonard, (610) 832-9744, accreditation@astm.org

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Colleen Elliott
Phone: (703) 253-8261
E-mail: celliott@aami.org
Office: 901 N. Glebe Road, Suite 300
Arlington, VA 22203

BSR/AAMI/ISO 80369-7-202x, Small-bore connectors for liquids and gases in healthcare applications - Part 7: Connectors for intravascular or hypodermic applications (identical national adoption of ISO 80369-7 (Ed.2) and revision of ANSI/AAMI/ISO 80369-7-2016)

ASQ (American Society for Quality)

Contact: Julie Sharp
Phone: (800) 248-1946
E-mail: standards@asq.org
Office: 600 N Plankinton Ave
Milwaukee, WI 53203

BSR/ASQ E5-202x, Quality Program Guidelines for Nonnuclear Power Generation Facilities (new standard)

CPLSO

Contact: Hugh Pratt
Phone: (078) 796-9298
E-mail: pratt.hugh@cplso.org
Office: The Marchioness Building, Commercial Road
Bristol BS16TG, UK BS1 6TG

BSR/CPLSO 60335-2-76-202x, Particular requirements for electric fence energizers (national adoption with modifications of IEC 60335 -2-76)

CTA (Consumer Technology Association)

Contact: Veronica Lancaster
Phone: (703) 907-7697
E-mail: vlancaster@cta.tech
Office: 1919 South Eads Street
Arlington, VA 22202

BSR/CTA 2010-B-2014 (R202x), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)

BSR/CTA 2089.1-202x, Definitions/Characteristics of AI in Health Care (new standard)

BSR/CTA 2089-202x, Definitions and Characteristics of Artificial Intelligence (new standard)

FCI (Fluid Controls Institute)

Contact: Leslie Schraff
Phone: (216) 241-7333
E-mail: fci@fluidcontrolsinstitute.org
Office: 1300 Sumner Avenue
Cleveland, OH 44115

BSR/FCI 15-1-2015 (R202x), Standard for Production Testing of Pressure Regulators (reaffirmation of ANSI/FCI 15-1-2015)

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy
Phone: (917) 913-0027
E-mail: pmcgillicuddy@ies.org
Office: 120 Wall Street, Floor 17
New York, NY 10005

BSR/IES LM-20-202x, Approved Method: Photometry of Reflector Type Lamps (new standard)

BSR/IES LM-37-202x, Approved Method: IES Guide for Determinatino of Average Luminance (Calculated) for Indoor Luminaires (new standard)

BSR/IES LM-62-202x, Approved Method: Guide for Laboratory or Field Measurements of Fluorescent Lamps and Ballasts in Luminaires (new standard)

BSR/IES LM-65-202x, Approved Method: Life Testing of Single-Based Fluorescent Lamps (new standard)

BSR/IES LM-81-202x, Approved Method: Photometric Testing of Skylights and Tubular Daylighting Devices under Hemispherical Sky Conditions (new standard)

BSR/IES LM-85-202x, Approved Method: Optical and Electrical Measurements of LED Packages and LED Arrays (new standard)

BSR/IES LM-86-202x, Approved Method: Measuring Luminous Flux and Color Maintenance of Remote Phosphor Components (new standard)

BSR/IES LM-80-2017 (R202x), Approved Method: Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules (reaffirmation of ANSI/IES LM-80-15 Errata-2017)

BSR/IES RP-37-202x, Recommended Practice: Lighting Airport Outdoor Environments (new standard)

BSR/IES TM-21 Addendum 1-202x, Approved Method: Projecting Long Term Lumen, Photon and Radiant Flux Maintenance of LED Light Sources - Addendum 1 (revision of ANSI/IES TM-21-2019)

BSR/IES/NALMCO RP-36-202x, Recommended Practice: Lighting Maintenance (new standard

ISA (International Society of Automation)

Contact: Eliana Brazda
Phone: (919) 990-9228
E-mail: ebrazda@isa.org
Office: 67 Alexander Drive
Research Triangle Park, NC 27709

BSR/ISA 67.02.01-202x, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (revision of ANSI/ISA 67.02.01-2014)

BSR/ISA 75.08.08-202x, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-2015)

ISEA (International Safety Equipment Association)

Contact: Cristine Fargo
Phone: (703) 525-1695
E-mail: cfargo@safetyequipment.org
Office: 1901 North Moore Street
Suite 808
Arlington, VA 22209

BSR/ISEA 100-202x, Industrial Bump Caps (new standard)

NFRC (National Fenestration Rating Council)

Contact: Jen Padgett
Phone: (301) 589-1776
E-mail: jpadgett@nfrc.org
Office: 6305 Ivy Lane
Suite 140
Greenbelt, MD 20770

BSR/NFRC 202-202x, Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (new standard)

BSR/NFRC 203-202x, Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (new standard)

BSR/NFRC 400-202x, Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2014 (R2017))

BSR/NFRC 500-202x, Procedure for Determining Fenestration Product Condensation Index Ratings (new standard)

NSF (NSF International)

Contact: Allan Rose
Phone: (734) 827-3817
E-mail: arose@nsf.org
Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

BSR/NSF 49-202x (i149r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)

SDI (ASC A250) (Steel Door Institute)

Contact: Linda Hamill
Phone: (440) 899-0010
E-mail: leh@wherryassoc.com
Office: 30200 Detroit Road
Westlake, OH 44145

BSR A250.10-202x, Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames (revision of ANSI A250.10-2011)

UL (Underwriters Laboratories, Inc.)

Contact: Megan Monsen
Phone: (847) 664-1292
E-mail: megan.monsen@ul.org
Office: 333 Pfingsten Road
Northbrook, IL 60062

BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision and partition of ANSI/UL 498-2019)

BSR/UL 498F-202x, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision and partition of ANSI/UL 498-2019)

BSR/UL 498E-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles - Enclosure Types for Environmental Protection (revision and partition of ANSI/UL 498-2019)

BSR/UL 498M-202x, Standard for Safety for Marine Shore Power Inlets (revision and partition of ANSI/UL 498-2019)

Call for Members (ANS Consensus Bodies)

Call for Members

Creation of a Committee to Develop the Repair of Laminated Automotive Glass Standard 2 (ROLAGS 2)

The Auto Glass Safety Council announces the creation of a committee to develop the Repair of Laminated Automotive Glass Standard 2 (ROLAGS 2). Directly and materially affected parties who are interested in participating as a member of the ANS consensus body for this standard may contact the Auto Glass Safety Council.

Office: 20 PGA Drive, Suite 201
Stafford, VA 22554
Contact: Kathy Bimber
Phone: 540-720-7484
E-mail: kbimber@agsc.org

AGSC Solicitation for Committee Members

The Auto Glass Safety Council announces the Repair of Laminated Automotive Glass Standard 2 (ROLAGS 2) Standards Committee meeting. This meeting will be held on Wednesday, March 18 from 8:00 – 10:00 a.m. at the Hyatt Regency Los Angeles International Airport hotel in Los Angeles, CA. Directly and materially affected parties who are interested in participating as a member of this committee are invited to attend.

Call for Members (ANS Consensus Bodies)

Call for Committee Members

ASC O1 – Safety Requirements for Woodworking Machinery

Are you interested in contributing to the development and maintenance of valuable industry safety standards? The ASC O1 is currently looking for members in the following categories:

- General Interest
- Government
- Producer
- User

If you are interested in joining the ASC O1, contact WMMA Associate Director Jennifer Miller at jennifer@wmma.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.

ASME (American Society of Mechanical Engineers)

Revision

ANSI/ASME B30.3-2019, Tower Cranes (revision of ANSI/ASME B30.3-2016): 12/11/2019

NSF (NSF International)

Revision

ANSI/NSF 49-2019 (i136r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018): 12/8/2019

UL (Underwriters Laboratories, Inc.)

Revision

ANSI/UL 987-2019a, Standard for Safety for Stationary and Fixed Electric Tools (revision of ANSI/UL 987-2019): 12/10/2019

Project Initiation Notification System (PINS)

ANSI Procedures require notification of ANSI by ANSI-accredited standards developers (ASD) of the initiation and scope of activities expected to result in new or revised American National Standards (ANS). Early notification of activity intended to reaffirm or withdraw an ANS and in some instances a PINS related to a national adoption is optional. The mechanism by which such notification is given is referred to as the PINS process. For additional information, see clause 2.4 of the ANSI Essential Requirements: Due Process Requirements for American National Standards.

Following is a list of proposed actions and new ANS that have been received recently from ASDs. Please also review the section in Standards Action entitled "American National Standards Maintained Under Continuous Maintenance" for additional or comparable information with regard to standards maintained under the continuous maintenance option. 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 affected interests wishing to receive more information or to submit comments are requested to contact the standards developer directly within 30 days of the publication of this announcement.

AAFS (American Academy of Forensic Sciences)

Contact: Teresa Ambrosius, (719) 453-1036, tambrosius@aafs.org
410 North 21st Street, Colorado Springs, CO 80904

New Standard

BSR/ASB STD 096-202x, Standard Method for the Examination and Documentation of Ammunition and Ammunition Components (new standard)

Stakeholders: Firearm and toolmark examiners and technicians, Crime laboratories and laboratory management, and Crime laboratory customers (the criminal justice system).

Project Need: This document will establish a standard for firearm and toolmark examiners and technicians to examine and document ammunition and/or ammunition components. This will result in more uniform practices and reporting amongst practitioners who adopt this standard. No American National Standard presently exists for the examination and testing of ammunition by forensic science service providers.

This standard provides procedures for the examination and documentation of ammunition and/or ammunition components by forensic firearm and toolmark examiners or technicians. Following these procedures, an examiner or technician will be able to document and report the examination of ammunition and/or ammunition components. This document does not cover the microscopic comparison of toolmarks on ammunition components.

ASQ (American Society for Quality)

Contact: Julie Sharp, (800) 248-1946, standards@asq.org
600 N Plankinton Ave, Milwaukee, WI 53203

New Standard

BSR/ASQ E5-202x, Quality Program Guidelines for Nonnuclear Power Generation Facilities (new standard)

Stakeholders: Industry, academia, government and general interest.

Project Need: Economic growth necessitates the design and construction of new fossil and renewables (non-nuclear) electricity generation facilities and additions to the electricity grid. This standard will provide current guidance for these activities. This standard replaces ANSI/ASQC E1-1996 which was withdrawn in 2006 and E3 which was approved but never published in 1997. E5 will be consistent with current quality principles and practices.

This standard will provide principles and practices that address the definition, attainment, verification, and validation of the quality of a non-nuclear power facility's design, construction, operations, and maintenance. It will address a facility's initial and modification structural and equipment design – equipment ranging from components to complete systems; construction, and manufacture, assembly and installation of equipment; operations and maintenance; public and employee safety and health; emergency preparedness and response; environmental protection; and security.

ASTM (ASTM International)

Contact: Laura Klineburger, (610) 832-9744, accreditation@astm.org
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK70909-202x, New Specification for Defensive Player Mask for Womens Softball (new standard)

Stakeholders: Eye safety for sports industry.

Project Need: Several US state high school associations, as well as numerous youth softball groups, now mandate the use of a protective mask for women's softball and there is a need for a standard in the industry.

This specification applies to protective masks designed to attach to and compliment women's softball helmets so to provide for additional protection and reduce injury to the eye.

CPLSO

Contact: Hugh Pratt, (078) 796-9298, pratt.hugh@cplso.org
The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG

New National Adoption

BSR/CPLSO 60335-2-76-202x, Particular requirements for electric fence energizers (national adoption with modifications of IEC 60335-2-76)

Stakeholders: Electric equipment manufacturers and users.

Project Need: To provide an American National Standard version of an International Standard.

This standard deals with the safety of electric fence energizers, the rated voltage of which is not more than 250 V and by means of which fence wires in agricultural, domestic, or feral animal control fences and security fences may be electrified or monitored.

CTA (Consumer Technology Association)

Contact: Veronica Lancaster, (703) 907-7697, vlancaster@cta.tech
1919 South Eads Street, Arlington, VA 22202

Reaffirmation

BSR/CTA 2010-B-2014 (R202x), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B -2014)

Stakeholders: Consumer, retail, manufacturers.

Project Need: To reaffirm ANSI/CTA-2010-B.

This standard defines a method for measuring the audio performance of subwoofers, both passive and powered.

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

Contact: Conrad Jahrling, (708) 995-3017, conrad.jahrling@asse-plumbing.org
18927 Hickory Creek Dr Suite 220, Mokena, IL 60448

Revision

BSR/ASSE 1002/ASME A112.1002/CSA B125.12-202x, Anti-Siphon Fill Valves (revision of ANSI/ASSE 1002/ASME A112.1002/CSA B125.12-2015)

Stakeholders: Plumbing testing agencies, toilet manufacturers, toilet repair part manufacturers.

Project Need: Revise the standard for updated standards references, updated figures, and clarification to retrofit device requirements.

This standard covers anti-siphon fill valves intended to be installed in water closet tanks. It covers installation, performance, and physical requirements.

BSR/ASSE 1037/ASME A112.1037/CSA B125.37-202x, Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures (revision of ANSI/ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-2015)

Stakeholders: Plumbing testing agencies, flush valve manufacturers, plumbing certification bodies.

Project Need: Update standards revision years and section references, updated test criteria for tank-type devices.

This Standard covers pressurized flushing devices (PFDs) intended to flush water closets, urinals, and other plumbing fixtures and specifies requirements for materials, design, methods of operation, test methods, and markings.

BSR/ASSE 1070/ASME A112.1070/CSA B125.70-202x, Water Temperature Limiting Devices (revision of ANSI/ASSE 1070 -2015/ASME A112.1070-2015/CSA B125.70-15)

Stakeholders: Plumbing testing agencies, temperature-limiting mixing valve manufacturers, plumbing certification bodies.

Project Need: Update standards revision years and section references, updated connection requirements.

This Standard covers water temperature limiting devices intended to limit the hot or tempered water temperature supplied to fittings for fixtures such as sinks, bidets, lavatories, and bathtubs to reduce the risk of scalding. These devices are not designed to address thermal shock.

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

Contact: Marianne Waickman, (708) 995-3015, marianne.waickman@asse-plumbing.org
18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448

Revision

BSR/ASSE Series 12000-202X, Professional Qualifications Standard for Infection Control and Water Management for All Building Systems (revision of ANSI/ASSE Series 12000-2018)

Stakeholders: Building owners, managers, operators, water management teams, staff and occupants of buildings, maintenance workers, plumbers, pipe fitters, sprinkler fitters, construction workers, engineers, inspectors, and the general public.

Project Need: Stakeholders have identified the need for updates and revisions to address incident response and updates to the definitions and to potentially add the Legionella Water Safety and Management Specialist standard to the series. Stakeholders have also identified the need for assessments to expand beyond infection control risks and include other construction risks.

This standard addresses the need for general knowledge of risk assessments, infection control, and water management including pathogens, biohazards, infectious disease, and Other Potentially Infectious Material (OPIM). It addresses the possible effects on building occupants, construction and maintenance personnel, and any individual who has the potential for exposure or risk. It also addresses the minimum qualifications needed for a member of a water safety management team involved in risk assessment analysis and water management sampling for protection from Legionella and other potential organisms. The purpose is to provide training, continuing education, and certification for construction and maintenance workers and members of building water management teams for all building systems.

IES (Illuminating Engineering Society)

Contact: Patricia McGillicuddy, (917) 913-0027, pmcgillicuddy@ies.org
120 Wall Street, Floor 17, New York, NY 10005

Revision

BSR/IES TM-21 Addendum 1-202x, Approved Method: Projecting Long Term Lumen, Photon and Radiant Flux Maintenance of LED Light Sources - Addendum 1 (revision of ANSI/IES TM-21-2019)

Stakeholders: Lighting practitioners, electrical engineers, architects, interior designers, light source and luminaire manufacturers, light test labs, regulatory agencies.

Project Need: Develop an Excel calculator template for ANSI/IES TM-21-19 calculations.

Consideration of a linear model for current interpolation and revisions of 2D interpolation cases other than bilinear, between 4 data points forming the smallest rectangle around the point of interest in parameter space. Review of alternative models for the current interpolation, from different viewpoints. The model is yet to be resolved including the selection of the point. Method of current interpolation to be reviewed.

ISA (International Society of Automation)

Contact: Eliana Brazda, (919) 990-9228, ebrazda@isa.org
67 Alexander Drive, Research Triangle Park, NC 27709

Revision

BSR/ISA 67.02.01-202x, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (revision of ANSI/ISA 67.02.01-2014)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To establish the applicable code requirements and code boundaries for the design and installation of instrument-sensing lines interconnecting nuclear safety-related power plant processes with both nuclear safety-related and nonnuclear safety-related instrumentation. To establish the applicable requirements and limits for the design and installation of sample lines interconnecting nuclear safety-related power plant processes with sampling instrumentation. To address the pressure boundary integrity of an instrument-sensing line and sampling line in accordance with the appropriate parts of ASME BPVC Section III or ASME B31.1, as applicable, and the assurance that the safety function of the nuclear safety-related instruments and process sampling is available.

This standard covers design, protection, and installation of nuclear safety-related instrument-sensing lines and sampling lines for nuclear power plants. The standard covers the pressure boundary requirements for sensing lines up to and including 1 inch (25.4 mm) outside diameter or three-quarter inch nominal pipe 1.050 inch (26.67 mm) outside diameter. The boundaries of this standard for instrument-sensing lines span from the root valve/piping class change up to but not including the manufacturer-supplied instrument connection. The boundaries of this standard for sampling lines span from the process tap to the upstream side of the sample panel, bulkhead fitting, or analyzer shutoff valve, and include in-line sample probes.

BSR/ISA 75.08.08-202x, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-2015)

Stakeholders: Consumers, manufacturers, regulatory bodies.

Project Need: To aid users in their piping design by providing Classes 150, 300, and 600 raised-face flanged-globe-style angle control valve face-to-centerline dimensions without giving special considerations to the equipment manufacturer to be used.

This standard applies to raised-face flanged globe-style angle control valves, 1 inch through 8 inches.

ISEA (International Safety Equipment Association)

Contact: Cristine Fargo, (703) 525-1695, cfargo@safetyequipment.org
1901 North Moore Street, Suite 808, Arlington, VA 22209

New Standard

BSR/ISEA 100-202x, Industrial Bump Caps (new standard)

Stakeholders: Product manufacturers; testing labs; regulators; manufacturing and assembly, food and beverage processing, automotive repair and maintenance.

Project Need: No US standard exists for widely used worker protection device.

This standard establishes testing, minimum performance, and labeling requirements for bump caps intended to provide protection to a wearer against the effects of striking their head against hard, stationary objects and incurring laceration or other superficial injuries. Products covered under the scope of this standard are not intended to provide protection from hazards caused by falling or moving objects.

NSF (NSF International)

Contact: Jason Snider, (734) 418-6660, jsnider@nsf.org
789 N. Dixboro Road, Ann Arbor, MI 48105-9723

New Standard

BSR/NSF 505-202x, Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 50 - Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (new standard)

Stakeholders: Recreational water facilities, product manufacturers, certification bodies, industry trade associations, public health regulatory officials.

Project Need: Establish a national standard to assure minimum requirements for certification organizations to be used in evaluating and certifying products to NSF/ANSI 50.

This Standard establishes requirements for activities to be performed when certification bodies certify products to NSF/ANSI 50, including documentation reviews, product testing, and facility audits conducted during surveillance.

NSF (NSF International)

Contact: Monica Leslie, (734) 827-5643, mleslie@nsf.org
789 N. Dixboro Road, Ann Arbor, MI 48105-9723

New Standard

BSR/NSF 526-202x, Drinking Water System Components - Microbial Growth (new standard)

Stakeholders: Certification bodies/3rd party test labs, federal, state and local health agencies and municipalities, water utilities, and manufacturers of products and/or materials that come into contact with drinking water.

Project Need: The CDC recently reported a record number of Legionnaires' diseases cases – 9,984 in 2018, an eightfold increase over 2000. In its August 2019 report called Management of Legionella in Water Systems, the National Academies of Sciences, Engineering and Medicine (NASEM) conservatively estimated the actual number of Legionnaires' cases each year in United States is between 52,000 and 70,000. The report points out that the NSF/ANSI/CAN 61 standard does not address the microbial growth potential of materials in contact with water and recommended that "New NSF/ANSI standards regarding microbial growth potential of materials are needed so that water utilities, plumbers, and building contractors can include Legionella control when making decisions about pipe material usage."

This standard will cover the testing of materials destined to be used under various conditions for the transport, treatment, and storage of water intended for human consumption.

SCTE (Society of Cable Telecommunications Engineers)

Contact: Kim Cooney, (800) 542-5040, kcooney@scte.org
140 Philips Rd, Exton, PA 19341

New Standard

BSR/SCTE NOS OP 007-202x, OCSIS 3.1 Downstream OFDM Power Definition, Calculation, and Measurement Techniques (new standard)

Stakeholders: Cable Telecommunications industry.

Project Need: Create new standard.

The DOCSIS 3.1 PHY spec's description of downstream OFDM transmit power calculation can be confusing for some. The material in this Operational Practice is divided into two major parts. The first part discusses the measurement of OFDM power, and the second part explains how OFDM signal power is calculated for the purpose of establishing downstream signal fidelity requirements.

UL (Underwriters Laboratories, Inc.)

Contact: Megan Monsen, (847) 664-1292, megan.monsen@ul.org
333 Pfingsten Road, Northbrook, IL 60062

Revision

BSR/UL 498D-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision and partition of ANSI/UL 498-2019)

Stakeholders: Manufacturers of attachment plugs, cord connectors and receptacles with arcuate (locking type) contacts, AHJs, and Supply Chain.

Project Need: UL believes that re-organizing the UL 498 Standard into multiple parts will serve to improve efficiencies in Standards maintenance. This will provide the necessary alignment with international Standards, such as IEC. In particular, would serve to support the foundation of adopting IEC 62986 with US deviations. UL Standards would like to reorganize UL 498 into four standards in support of these future standards development activities.

These requirements cover attachment plugs, receptacles, cord connectors, and inlets, with arcuate contacts (locking-type configurations), rated 20 or 30 of the non-grounding type or devices rated 15, 50, or 60 A grounding or non-grounding type. All intended for connection to a branch circuit for use in accordance with ANSI/NFPA 70. These requirements do not cover plugs, socket outlets (receptacles), cord connectors, and inlets with arcuate contacts (locking-type configurations) rated 20 and 30 A grounding type, refer to UL 498F Standard. These requirements do not cover devices rated at more than 200 A or for more than 600 V. (See 6.1. 1.3 of this standard.) This Standard does not directly apply to, but supplements, the following standards: (a) Straight-blade attachment plugs, receptacles, cord connectors, and inlets, covered by the Standard for Attachment Plugs and Receptacles, UL 498; (b) Attachment plugs, receptacles, cord connectors, and inlets with arcuate contacts (locking-type configurations) - Enclosure Types for Environmental Protection, UL 498E; (c) Inlets with arcuate contacts (locking-type configurations) - Marine Shore Power Inlets, UL 498M; (d) Devices produced integrally with flexible cord or cable, covered by the Standard for Cord Sets and Power-Supply Cords, UL 817; (e) Current taps and adapters not provided with wiring terminals for flexible cord covered by UL 498A; (f) Devices employing male or female screwshells, covered by UL 496; (g) Devices solely intended for direct connection to the branch circuit in accordance with ANSI/NFPA 70, that are provided with contacts of the pin and sleeve type, covered by UL 1682; (h) Single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment, covered by UL 1977; (i) Devices intended for installation and use in hazardous (classified) locations in accordance with ANSI/NFPA 70, covered by UL 1203; (j) Devices intended for use with telecommunications networks, covered by UL 60950-1, or UL 1863; (k) Devices incorporating ground-fault circuit interruption circuitry, covered by UL 943; (l) Single- or two-outlet direct plug-in devices incorporating transient volt.

BSR/UL 498E-202x, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles - Enclosure Types for Environmental Protection (revision and partition of ANSI/UL 498-2019)

Stakeholders: Manufacturers of attachment plugs, cord connectors and receptacles - enclosure types for environmental protection, AHJs, and supply chain.

Project Need: UL believes that re-organizing the UL 498 Standard into multiple parts will serve to improve efficiencies in Standards maintenance. This will provide the necessary alignment with international Standards, such as IEC. In particular, would serve to support the foundation of adopting IEC 62986 with US deviations. UL Standards would like to reorganize UL 498 into four standards in support of these future standards development activities.

The requirements cover an enclosure rating system for attachment plugs, receptacles, inlets, and cord connectors provided with an enclosure intended for use in various environmental applications. A device with an environmental enclosure shall also comply with the applicable requirements of either UL 498, UL 498D, or UL 498F as appropriate, except as modified by these requirements. The requirements of this supplement do not cover enclosure-type designations for wiring devices for use in hazardous locations as defined by the National Electrical Code, ANSI/NFPA 70.

BSR/UL 498F-202x, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision and partition of ANSI/UL 498-2019)

Stakeholders: Manufacturers of plugs, socket-outlets and couplers with arcuate (locking type) contacts, AHJs, and supply chain.

Project Need: UL believes that re-organizing the UL 498 Standard into multiple parts will serve to improve efficiencies in Standards maintenance. This will provide the necessary alignment with international Standards, such as IEC. In particular, would serve to support the foundation of adopting IEC 62986 with US deviations. UL Standards would like to reorganize UL 498 into four standards in support of these future standards development activities.

These requirements cover plugs, socket outlets (receptacles), couplers, cord connectors, and inlets, with arcuate contacts (locking-type configurations), rated 20 or 30 A grounding type only. All intended for connection to a branch circuit for use in accordance with the National Electrical Code, ANSI/NFPA 70. These requirements do not cover plugs, socket outlets (receptacles), couplers, cord connectors, and inlets with arcuate contacts (locking-type configurations) rated 20 and 30 A non-grounding type, or devices rated 15, 50, or 60 A grounding or non-grounding type, refer to UL 498D Standard. These requirements do not cover devices rated at more than 200 A or for more than 600 V. (See 6.1. 1.3 of this standard.) This Standard does not directly apply to, but supplements the following standards: (a) Straight-blade attachment plugs, receptacles, cord connectors, and inlets, covered by the Standard for Attachment Plugs and Receptacles, UL 498; (b) Attachment plugs, receptacles, cord connectors, and inlets with arcuate contacts (locking-type configurations) - Enclosure Types for Environmental Protection, UL 498E. (c) Inlets with arcuate contacts (locking-type configurations) - Marine Shore Power Inlets, UL 498M. (d) Devices produced integrally with flexible cord or cable, covered by the Standard for Cord Sets and Power-Supply Cords, UL 817; (e) Current taps and adapters not provided with wiring terminals for flexible cord covered by the Standard for Current Taps and Adapters, UL 498A; (f) Devices employing male or female screwshells, covered by the Standard for Lampholders, UL 496; (g) Devices solely intended for direct connection to the branch circuit in accordance with the National Electrical Code, ANSI/NFPA 70, that are provided with contacts of the pin and sleeve type, covered by the Standard for Plugs, Receptacles and Cable Connectors of the Pin-and-Sleeve Type, UL 1682; (h) Single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment, covered by the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications, UL 1977; (i) Devices intended for installation and use in hazardous (classified) locations in accordance with the National Electrical Code, ANSI/NFPA 70, covered by the Standard for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations, UL 1203; (j) Devices

BSR/UL 498M-202x, Standard for Safety for Marine Shore Power Inlets (revision and partition of ANSI/UL 498-2019)

Stakeholders: Manufacturers of marine shore power inlets, AHJs, and supply chain.

Project Need: UL believes that re-organizing the UL 498 Standard into multiple parts will serve to improve efficiencies in Standards maintenance. This will provide the necessary alignment with international Standards, such as IEC. In particular, would serve to support the foundation of adopting IEC 62986 with US deviations. UL Standards would like to reorganize UL 498 into four standards in support of these future standards development activities.

These requirements cover marine shore power inlets rated at not less than 20 A and not more than 50 A, 250 V maximum. These devices are intended for use with marine shore power cable sets to extend the shore power supply from a shore-installed power outlet to a boat, in accordance with the applicable requirements in the American Boat and Yacht Council (ABYC) Std. E-8-1985, National Fire Protection Association Standard for Pleasure and Commercial Motor Craft, NFPA No. 302-1987, and the United States Coast Guard (USCG) Regulations Title 33, Chapter 1, CFR, Part 183. Shore power inlets shall also comply with the applicable requirements of either UL 498F or UL 498D as identified below, except as modified by these requirements. The ANSI/NEMA Configurations, with applicable UL Standards, are as follows: L5-20P (UL 498F), L5-30P (UL 498F), L6-20P (UL 498F), L6-30P (UL 498F), L14-20P (UL 498F), L14-30P (UL 498F), L15-20P (UL 498F), L15-30P (UL 498F), L21-20P (UL 498F), L21-30P (UL 498F), SS1 -50P (UL 498D), and SS2-50P (UL 498D).

American National Standards Maintained 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-AGRSS (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)**
- **IES (Illuminating Engineering Society)**
- **ITI (InterNational Committee for Information Technology Standards)**
- **MHI (Material Handling Industry)**
- **NAHBRC (NAHB Research Center, Inc.)**
- **NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)**
- **NCPDP (National Council for Prescription Drug Programs)**
- **NEMA (National Electrical Manufacturers Association)**
- **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)**
- **UL (Underwriters Laboratories, Inc.)**

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 “Standards Activities,” click on “Public Review and Comment” and “American National Standards Maintained Under Continuous Maintenance.” This information is also available directly at www.ansi.org/publicreview

Alternatively, you may contact the Procedures & Standards Administration department (PSA) at psa@ansi.org or via fax at 212-840-2298. If you request that information be provided via E-mail, please include your E-mail address; if you request that information be provided via fax, please include your fax number. Thank you.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment 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 Standards Action Editor at standact@ansi.org.

AAFS
American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
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AAMI
Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8261
Web: www.aami.org

APTech (ASC CGATS)
Association for Print Technologies
1896 Preston White Drive
Reston, VA 20191
Phone: (703) 264-7220
Web: www.printtechnologies.org

ASHRAE
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE
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Phone: (678) 539-1214
Web: www.ashrae.org

ASME
American Society of Mechanical Engineers
Two Park Avenue
M/S 6-2B
New York, NY 10016-5990
Phone: (212) 591-8489
Web: www.asme.org

ASQ
American Society for Quality
600 N Plankinton Ave
Milwaukee, WI 53203
Phone: (800) 248-1946
Web: www.asq.org

ASSP (Safety)
American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 699-2929
Web: www.assp.org

ASTM
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone: (610) 832-9744
Web: www.astm.org

AWWA
American Water Works Association
6666 W. Quincy Ave.
Denver, CO 80235
Phone: (303) 347-6178
Web: www.awwa.org

CPLSO
CPLSO
The Marchioness Building, Commercial Road
Bristol BS16TG, UK BS1 6TG
Phone: (078) 796-9298

CSA
CSA America Standards Inc.
8501 E. Pleasant Valley Road
Cleveland, OH 44131
Phone: (216) 524-4990
Web: www.csagroup.org

CTA
Consumer Technology Association
1919 South Eads Street
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Phone: (703) 907-7697
Web: www.cta.tech

FCI
Fluid Controls Institute
1300 Sumner Avenue
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Phone: (216) 241-7333
Web: www.fluidcontrolsinstitute.org

IAPMO (ASSE Chapter)
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ISA (Organization)
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67 Alexander Drive
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Web: www.isa.org

ISEA
International Safety Equipment Association
1901 North Moore Street
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Phone: (703) 525-1695
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LIA (ASC Z136)
Laser Institute of America
13501 Ingenuity Drive, Suite 128
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Phone: (407) 380-1553
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NFRC
National Fenestration Rating Council
6305 Ivy Lane
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NSF
NSF International
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Web: www.nsf.org

SCTE
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SDI (ASC A250)
Steel Door Institute
30200 Detroit Road
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Phone: (440) 899-0010
Web: www.wherryassocsteeldoor.org

SERI
Sustainable Electronics Recycling International
P.O. Box 721
Hastings, MN 55033
Phone: (248) 891-2837
Web: www.sustainableelectronics.org

UL
Underwriters Laboratories, Inc.
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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

ACOUSTICS (TC 43)

ISO 389-3/DAmd1, Acoustics - Reference zero for the calibration of audiometric equipment - Part 3: Reference equivalent threshold vibratory force levels for pure tones and bone vibrators - Amendment 1 - 3/5/2020, $29.00

CONTROL AND SAFETY DEVICES FOR NON INDUSTRIAL GAS-FIRED APPLIANCES AND SYSTEMS (TC 161)

ISO/DIS 23551-1, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic valves - 2/29/2020, $112.00

ISO/DIS 23551-6, Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 6: Thermoelectric flame supervision controls - 3/6/2020, $77.00

ERGONOMICS (TC 159)

ISO/DIS 9241-971, Ergonomics of human-system interaction - Part 971: Guidance on physical (tactile/haptic) accessibility - 3/6/2020, $71.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

ISO/DIS 22887, Determination of total sulphur in fertilizers by high temperature combustion - 3/7/2020, $40.00

GAS CYLINDERS (TC 58)

ISO/DIS 407, Small medical gas cylinders - Pin-index yoke-type valve connections - 11/12/2021, $88.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/DIS 2834-1, Graphic technology paper and ink - Laboratory preparation of test prints - Part 1: Paste inks - 3/7/2020, $77.00

ISO/DIS 12643-3, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems - 12/27/2032, $134.00

MATERIALS, EQUIPMENT AND OFFSHORE STRUCTURES FOR PETROLEUM AND NATURAL GAS INDUSTRIES (TC 67)

ISO/DIS 19901-2, Petroleum and natural gas industries - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria - 3/1/2020, $125.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

ISO/DIS 12925-2, Lubricants, industrial oils and related products (class L) - Family C (Gears) - Part 2: Specifications of categories CKH, CKJ and CKM (lubricants open and semi-enclosed gear systems) - 3/6/2020, $67.00

PLASTICS (TC 61)

ISO/DIS 17088, Plastics - Organic recycling - Specifications for compostable plastics - 3/7/2020, $88.00

REFRACTORIES (TC 33)

ISO/DIS 23071, Refractory products - Determination of reduced species in carbon containing refractories by XRD - 3/1/2020, $46.00

REFRIGERATION (TC 86)

ISO/DIS 13256-2, Water-source heat pumps - Testing and rating for performance - Part 2: Water-to-water and brine-to-water heat pumps - 3/7/2020, $88.00

ROAD VEHICLES (TC 22)

ISO/SAE DIS 21434, Road vehicles - Cybersecurity engineering - 3/7/2020, $165.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 2302, Isobutene-isoprene rubber (IIR) - Evaluation procedure - 3/2/2020, $58.00

ISO/DIS 248-1, Rubber, raw - Determination of volatile-matter content - Part 1: Hot-mill method and oven method - 3/7/2020, $58.00

ISO/DIS 4097, Rubber, ethylene-propylene-diene (EPDM) - Evaluation procedure - 3/6/2020, $62.00

ISO/DIS 4659, Styrene-butadiene rubber (carbon black or carbon black and oil masterbatches) - Evaluation procedure - 3/6/2020, $53.00

ISO/DIS 14557, Suction hoses for fire-fighting purposes - 12/20/2014, $62.00

ISO/DIS 8066-3, Rubber and plastics hoses and hose assemblies for automotive air conditioning - Specification - Part 3: Refrigerant 1234yf - 3/2/2020, $93.00

SERVICE ACTIVITIES RELATING TO DRINKING WATER SUPPLY SYSTEMS AND WASTEWATER SYSTEMS - QUALITY CRITERIA OF THE SERVICE AND PERFORMANCE INDICATORS (TC 224)

ISO/DIS 24528, Service activities relating to drinking water systems and wastewater systems - Guideline for a water loss investigation of drinking water distribution networks - 3/5/2020, $125.00

(TC 310)

ISO/DIS 31110, Wheeled child conveyances - Pushchairs and prams - Requirements and test methods - 3/2/2020, $155.00

TRANSFUSION, INFUSION AND INJECTION EQUIPMENT FOR MEDICAL USE (TC 76)

ISO/DIS 8536-12, Infusion equipment for medical use - Part 12: Check valves for single use - 3/1/2020, $53.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 11770-4/DAmd2, Information technology - Security techniques - Key management - Part 4: Mechanisms based on weak secrets - Amendment 2: Leakage-resilient password-authenticated key agreement with additional stored secrets - 3/7/2020, $107.00

ISO/IEC 20000-2/DAmd1, Information technology - Service management - Part 2: Guidance on the application of service management systems - Amendment 1 - 3/7/2020, $29.00

ISO/IEC DIS 27551, Information technology - Requirements for attribute-based unlinkable entity authentication - 3/21/2020, $98.00

ISO/IEC DIS 18013-5, Personal identification - ISO-compliant driving licence - Part 5: Mobile driving licence (mDL) application - 2/29/2020, $165.00

IEC Standards

1/2421/FDIS, IEC 60050-845 ED2: International Electrotechnical Vocabulary (IEV) - Part 845: Lighting, 2020/1/24

8/1536/CD, IEC TR 63282 ED1: Assessment of standard voltages and power quality requirements for LVDC distribution, 020/3/6/

8B/53/DTS, IEC TS 62898-3-1 ED1: Microgrids - Part 3-1: Technical requirements - Protection and dynamic control, 020/3/6/

9/2569/NP, PNW 9-2569: Railway applications - Rolling stock - Batteries for auxiliary power supply systems - Part 5: Lithium-ion batteries, 020/3/6/

17C/737/DTR, IEC TR 62271-312 ED1: High-voltage switchgear and controlgear - Part 312: Guidance for the transferability of type tests of high-voltage/low-voltage prefabricated substations, 020/2/7/

31G/315/CD, IEC TS 60079-47 ED1: Explosive atmospheres - Part 47: Equipment protection by 2-Wire Intrinsically Safe Ethernet concept (2-WISE), 020/2/7/

31J/302/DISH, IEC 60079-14/ISH2 ED5: Interpretation Sheet 2 - Explosive atmospheres - Part 14: Electrical installations design, selection and erection, 2020/1/24

32B/694/DTR, IEC TR 60269-5/AMD1 ED2: Low-voltage fuses - Part 5: Guidance for the application of low-voltage fuses, 020/2/7/

33/645/NP, PNW TS 33-645: Noise measurement method on power capacitors, 020/3/6/

36/472/CDV, IEC 60433 ED4: Insulators for overhead lines with a nominal voltage above 1000 V - Ceramic insulators for A.C. systems - Characteristics of insulator units of the long rod type, 020/3/6/

37A/341/FDIS, IEC 61643-12 ED3: Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power systems - Selection and application principles, 2020/1/24

40/2719/CD, IEC 60384-25 ED3: Fixed capacitors for use in electronic equipment - Part 25: Sectional specification: Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte, 020/3/6/

40/2718/CD, IEC 60384-24 ED3: Fixed capacitors for use in electronic equipment - Part 24: Sectional specification - Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte, 020/3/6/

40/2717/FDIS, IEC 60115-1 ED5: Fixed resistors for use in electronic equipment - Part 1: Generic specification, 2020/1/24

51/1319/CDV, IEC 61007 ED3: Transformers and inductors for use in electronic and telecommunication equipment - Measuring methods and test procedures, 020/3/6/

56/1875/FDIS, IEC 61163-2 ED2: Reliability stress screening - Part 2: Components, 2020/1/24

57/2173/DC, IEC TR 61850-90-21, Communication networks and systems for power utility automation - Part 90-21: Travelling Wave Fault Location, 2020/1/31

57/2172/DC, IEC TR 61850-90-14, Communication networks and systems for power utility automation - Part 90-14: Using IEC 61850 for FACTS (Flexible AC Transmission Systems) data modelling, 2020/1/31

57/2175/DC, IEC TR 61850-90-22 Communication networks and systems for power utility automation - Part 90-22: SCD based substation network auto-routing with visualization and supervision support, 2020/1/31

62A/1380/CD, IEC TR 60601-4-5: Medical electrical equipment - Part 4-5 Guidance and interpretation - Safety related technical security specifications for medical devices, 020/3/6/

62D/1737/NP, PNW 62D-1737: Traditional Chinese Medicine - Electrical Cupping Device, 020/3/6/

64/2419/DC, IEC TS 61200-204 ED1: Application guides complying with IEC 60364 - Rotating generators, 020/4/3/

64/2420/DC, IEC TS 61200-205 ED1: Application guides complying with IEC 60364 - Source changeover system, 020/4/3/

64/2416/DC, IEC TS 61200-201 ED1: Application guides complying with IEC 60364 - Asynchronous motor starting and protection, 020/4/3/

64/2418/DC, IEC TS 61200-203 ED1: Application guides complying with IEC 60364 - Uninterruptible Power Systems, 020/4/3/

64/2417/DC, IEC TS 61200-202 ED1: Application guides complying with IEC 60364 - Lighting circuits, 020/4/3/

77B/826/NP, PNW 77B-826: Electromagnetic compatibility (EMC) - Part 4-xx: Testing and measurement techniques - Broadband radiated immunity test, 2020/1/10

82/1657/DTR, IEC TR 63279 ED1: Sequential and combined accelerated stress testing for de-risking photovoltaic modules, 020/2/7/

82/1661/CD, IEC 61730-2/AMD1 ED2: Amendment 1 - Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 020/3/6/

82/1656/FDIS, IEC 62446-2 ED1: Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 2: Grid connected systems - Maintenance of PV systems, 2020/1/24

82/1660/CD, IEC 61730-1/AMD1 ED2: Amendment 1 - Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 020/3/6/

82/1662/DTS, IEC TS 63126 ED1: Guidelines for qualifying PV modules, components and materials for operation at high temperatures, 020/3/6/

86A/1982/CD, IEC 60794-1-211 ED1: Optical fibre cables - Part 1-211: Generic specification - Basic optical cable test procedures - Environmental test methods - Sheath shrinkage, Method F11, 020/3/6/

86A/1983/CD, IEC TR 62959 ED1: Optical fibre cables - Shrinkage effects on cable and cable element end termination - Guidance, 020/3/6/

86C/1628/CDV, IEC 62149-3 ED3: Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems, 020/3/6/

86C/1625/CDV, IEC 62614-1 ED1: Fibre optics - Multimode Launch condition - Part 1: Launch condition requirements for measuring multimode attenuation, 020/3/6/

86C/1627/CDV, IEC 62149-5 ED3: Fibre optic active components and devices - Performance standards - Part 5: ATM-PON transceivers with LD driver and CDR ICs, 020/3/6/

86C/1640/CD, IEC 61757-3-2 ED1: Fibre Optic Sensors - Part 3-2: Acoustic sensing - Distributed sensing, 020/3/6/

86C/1641/CD, IEC 61757-5-1 ED1: Fibre optic sensors - Part 5-1: Tilt measurement - Tilt sensors based on fibre Bragg gratings, 020/3/6/

87/738/NP, PNW 87-738: Underwater Acoustics - Calibration of acoustic wave vector receivers in the frequency range 5 Hz to 10 kHz, 020/3/6/

89/1498/DTS, IEC TS 60695-11-40 ED2: Fire hazard testing - Part 11 -40: Test flames - Confirmatory tests - Guidance, 020/3/6/

90/446/CD, IEC 61788-22-3 ED1: Superconductivity - Part 22-3: Superconducting strip photon detector - Dark count rate, 020/3/6/

91/1629/CD, IEC 62878-2-601 ED1: Device Embedding assembly technology - Part 2-602: Guideline for stacked electronic module - Evaluation method of inter-module electrical connectivity, 020/3/6/

91/1631/CD, IEC 61760-2 ED3: Surface mounting technology - Part 2: Transportation and storage conditions of surface mounting devices (SMD) - Application guide, 020/3/6/

105/781/CD, IEC 62282-4-101 ED2: Fuel cell technologies - Part 4 -101: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) - Safety of electrically powered industrial trucks, 020/3/6/

110/1176/CD, IEC 62977-3-7 ED1: Electronic displays - Part 3-7: Evaluation of optical performances - Tone characteristics, 020/2/7/

110/1177/CD, IEC 62977-3-5 ED1: Electronic displays - Part 3-5: Evaluation of optical performances - Colour capabilities, 020/2/7/

110/1175/CD, IEC 62906-5-7 ED1: Laser displays - Part 5-7: Measuring methods of visual quality for scanning laser displays, 020/2/7/

111/563/NP, PNW 111-563: Determination of certain substances in electrotechnical products - Part 13: Bisphenol A in plastics by liquid chromatography-diode array detection (LC-DAD), liquid chromatography-mass spectrometry (LC-MS) and liquid chromatography-tandem mass spectrometry (LC-MS/MS), 020/2/7/

CIS/I/634/DTR, CISPR TR 29 ED2: Television broadcast receivers and associated equipment - Immunity characteristics - Methods of objective picture assessment, 020/2/7/

JTC1-SC25/2915/CDV, ISO/IEC 18598/AMD1 ED1: Amendment 1 - Information technology - Automated infrastructure management (AIM) systems - Requirements, data exchange and applications, 020/3/6/

JTC1-SC41/129/CD, ISO/IEC 20924 ED2: Internet of Things (IoT) - Vocabulary, 020/2/7/

JTC1-SC41/132/CD, ISO/IEC 30147 ED1: Internet of Things (IoT) - Integration of IoT trustworthiness activities in ISO/IEC/IEEE 15288 systems engineering processes, 020/2/7/

Newly Published ISO Standards

Listed here are new and revised standards recently approved and promulgated by ISO - the International Organization for Standardization. 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/IEC JTC 1 Technical Reports

ISO/IEC TR 24772-1:2019, Programming languages - Guidance to avoiding vulnerabilities in programming languages - Part 1: Language-independent guidance, $232.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

ISO 3103:2019, Tea - Preparation of liquor for use in sensory tests, $68.00

AIR QUALITY (TC 146)

IEC 62990-1/Cor1:2019, Workplace Atmospheres - Part 1: Gas detectors - Performance requirements of detectors for toxic gases - Corrigendum, FREE

ISO 14966:2019, Ambient air - Determination of numerical concentration of inorganic fibrous particles - Scanning electron microscopy method, $185.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

ISO 8836:2019, Suction catheters for use in the respiratory tract, $138.00

BIOLOGICAL EVALUATION OF MEDICAL AND DENTAL MATERIALS AND DEVICES (TC 194)

ISO 10993-7/Amd1:2019, Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Amendment 1: Applicability of allowable limits for neonates and infants, $19.00

CORROSION OF METALS AND ALLOYS (TC 156)

ISO 18086:2019, Corrosion of metals and alloys - Determination of AC corrosion - Protection criteria, $185.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

ISO 16610-61/Amd1:2019, Geometrical product specification (GPS) - Filtration - Part 61: Linear areal filters - Gaussian filters - Amendment 1, $19.00

FINE CERAMICS (TC 206)

ISO 21971:2019, Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure - Determination of hoop tensile properties of tubes, $103.00

GEOSYNTHETICS (TC 221)

ISO 12956:2019, Geotextiles and geotextile-related products - Determination of the characteristic opening size, $103.00

GRAPHIC TECHNOLOGY (TC 130)

ISO 12641-2:2019, Graphic technology - Prepress digital data exchange - Part 2: Advanced colour targets for input scanner calibration, $103.00

MICROBEAM ANALYSIS (TC 202)

ISO 21466:2019, Microbeam analysis - Scanning electron microscopy - Method for evaluating critical dimensions by CD-SEM, $185.00

NUCLEAR ENERGY (TC 85)

ISO 10276:2019, Nuclear energy - Fuel technology - Trunnion systems for packages used to transport radioactive material, $138.00

ISO 22127:2019, Dosimetry with radiophotoluminescent glass dosimeters for dosimetry audit in MV X-ray radiotherapy, $103.00

ISO 11665-8:2019, Measurement of radioactivity in the environment - Air: radon-222 - Part 8: Methodologies for initial and additional investigations in buildings, $138.00

OTHER

IWA 33-1:2019, Technical guidelines for the development of small hydropower plants - Part 1: Vocabulary, $45.00

IWA 33-2:2019, Technical guidelines for the development of small hydropower plants - Part 2: Site selection planning, $162.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO 16073-5:2019, Wildland firefighting personal protective equipment - Requirements and test methods - Part 5: Helmets, $138.00

ROAD VEHICLES (TC 22)

ISO 19585:2019, Heavy commercial vehicles and buses - Vehicle dynamics simulation and validation - Steady-state circular driving behavior, $103.00

ISO 19586:2019, Heavy commercial vehicles and buses - Vehicle dynamics simulation and validation - Lateral dynamic stability of vehicle combinations, $68.00

ISO 21058:2019, Road vehicles - Dimethyl Ether (DME) refuelling connector, $138.00

ISO 13400-2:2019, Road vehicles - Diagnostic communication over Internet Protocol (DoIP) - Part 2: Transport protocol and network layer services, $209.00

ISO 19072-2:2019, Road vehicles - Connection interface for pyrotechnic devices, two-way and three-way connections - Part 2: Test methods and general performance requirements, $138.00

ISO 22760-1:2019, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 1: General requirements and definitions, $68.00

ISO 22760-2:2019, Road vehicles - Dimethyl Ether (DME) fuel system components - Part 2: Performance and general test methods, $68.00

ISO 20766-10:2019, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 10: Gas-tight housing, $45.00

ISO 20766-12:2019, Road vehicles - Liquefied petroleum gas (LPG) fuel systems components - Part 12: Non-return valve, $45.00

SMALL TOOLS (TC 29)

ISO 21223:2019, Tools for pressing - Vocabulary, $45.00

SOIL QUALITY (TC 190)

ISO 21226:2019, Soil quality - Guideline for the screening of soil polluted with toxic elements using soil magnetometry, $162.00

STEEL (TC 17)

ISO 643:2019, Steels - Micrographic determination of the apparent grain size, $138.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

ISO 20539:2019, Translation, interpreting and related technology - Vocabulary, $45.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

ISO 28139:2019, Equipment for crop protection - Knapsack combustion engine-driven airblast sprayers - Safety and environmental requirements and test methods, $185.00

ISO Technical Specifications

ACOUSTICS (TC 43)

ISO/TS 12913-3:2019, Acoustics - Soundscape - Part 3: Data analysis, $138.00

GRAPHIC TECHNOLOGY (TC 130)

ISO/TS 18621-11:2019, Image quality evaluation methods for printed matter - Part 11: Colour gamut analysis, $103.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 14496-3:2019, Information technology - Coding of audio-visual objects - Part 3: Audio, $232.00

ISO/IEC 23005-7:2019, Information technology - Media context and control - Part 7: Conformance and reference software, $185.00

ISO/IEC 23009-1:2019, Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats, $68.00

ISO/IEC 14165-246:2019, Information technology - Fibre channel - Part 246: Backbone - 6 (FC-BB-6), $232.00

ISO/IEC/IEEE 16326:2019, Systems and software engineering - Life cycle processes - Project management, $162.00

Proposed Foreign Government Regulations

Call for Comment

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

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

To register for Notify U.S., please visit http://www.nist.gov/notifyus/.

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

For further information about the USA TBT Inquiry Point, please visit: https://www.nist.gov/standardsgov/what-we-do/trade-regulatory-programs/usa-wto-tbt-inquiry-point

Contact the USA TBT Inquiry Point at:(301) 975-2918; Fax: (301) 926-1559; E-mail: usatbtep@nist.gov or notifyus@nist.gov.

Information Concerning

American National Standards

Call for Members

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 affected 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 categories:

- Service Providers
- Users
- Standards Development Organizations and Consortia
- Academic Institutions

Society of Cable Telecommunications

ANSI Accredited Standards Developer

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 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 a 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.

International Electrotechncal Commission (IEC)

USNC Participants and TAG Administrator Needed

IEC SyC Communication Technologies & Architectures Committee

IEC approved one (1) new Committee: IEC SyC Communication Technologies & Architectures

Individuals who are interested in becoming a participant or the TAG Administrator for SyC Communication Technologies & Architectures are invited to contact Adelana Gladstein at ANSI, agladstein@ansi.org, as soon as possible.

Please see the scope for the SyC below.

Scope:

- Facilitate and advise in the domain of communication technologies and architectures to advance and harmonize communication technology related activities in the IEC according to clause 2 in AC/22/2017.
- Facilitate outreach and influence the work on communication technologies and architectures with other SDOs and industry consortia, in collaboration with SG 13.

USNC TAG Administrator – Organization Needed

IEC/TC 8 – System Aspects of Electrical Energy Supply

Response Deadline: December 27, 2019

S&C is relinquishing its role as the TAG Administrator for the USNC TAG to IEC/TC 8 – System aspects of electrical energy supply. The USNC is looking for a new organization to take on this TAG Administratorship.

Please note that according to the rules and procedures of the USNC, a TAG cannot exist without a TAG Administrator. If we cannot find a new TAG Administrator, the USNC will have to withdraw from international participation and register with the IEC as a Non-Member of this Committee.

If an organization is interested in the position of USNC TAG Administrator for the TAG to IEC/TC 8, they are invited to contact Ade Gladstein at agladstein@ansi.org no later than 27 December 2019.

Please see the scope of IEC/TC 8 below.

Scope:

To prepare and coordinate, in co-operation with other TC/SCs, the development of international standards and other deliverables with emphasis on overall system aspects of electricity supply systems and acceptable balance between cost and quality for the users of electrical energy. Electricity supply system encompasses transmission and distribution networks, generators and loads with their network interfaces. This scope includes, but is not limited to, standardization in the field of:

- Terminology for the electricity supply sector,
- Characteristics of electricity supplied by public networks,
- Network management from a system perspective,
- Connection of network users (generators and loads) and grid integration,
- Design and management of de-centralized electricity supply systems e.g. microgrids, systems for rural electrification.

While relying on efficient and secure data communication and exchange, TC 8's scope does not include standards for communication with appliances and equipment connected to the electric grid or for communication infrastructure serving the electric grid. TC 8 is responsible for the maintenance of basic publications (horizontal standards) on standard voltages, currents and frequencies ensuring the consistency of the IEC publications in these fields. TC 8 cooperates also with several organizations active in the field of electricity supply such as CIGRE, CIRED, IEEE, AFSEC, IEA.

International Organization for Standardization (ISO)

Calls for U.S. TAG Administrator

ISO/TC 71/SC 1 – Test Methods for Concrete and ISO/TC 71/SC 3 – Concrete Production and Execution of Concrete Structures

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 71/SC 1 and ISO/TC 71/SC 3, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 71/SC 1 and ISO/TC 71/SC 3 operate under the scope of ISO/TC 71:

> Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

ISO/TC 74 – Cement and Lime

ANSI has been informed that ASTM International, the ANSI-accredited U.S. TAG Administrator for ISO/TC 74, wishes to relinquish their role as U.S. TAG Administrator.

ISO/TC 74 operates under the following scope:

> Standardization – including definitions, methods of test and specifications – of various kinds of cement, and lime used in building construction and engineering, either for binding together the construction materials or as a constituent part of all kinds of paste, mortar and concrete.

Organizations interested in serving as the U.S. TAG Administrator or participating on a U.S. TAG should contact ANSI's ISO Team (isot@ansi.org).

New Secretariats

ISO/TC 301 – Energy Management and Energy Savings

Comment Deadline: December 20, 2019

ANSI has requested to delegate the responsibilities of the administration of the ISO/TC 301 secretariat to Georgia Tech Energy & Sustainability Services. The secretariat was previously held by ANSI and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 301 operates under the following scope:

> Standardization in the field of energy management and energy savings.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team (isot@ansi.org).

Meeting Notices

ANSI AGSC AGRSS (Auto Glass Replacement Safety Standard) Standards Committee

> Wednesday, March 18, 2020 2:00 p.m. – 5:00 p.m.
>
> Hyatt Regency Los Angeles International Airport hotel, Los Angeles, CA

Please contact kbimber@agsc.org for more information.

AGSC ROLAGS 2 (Repair of Laminated Automotive Glass Standard 2) Standards Committee

> Wednesday, March 18, 2020 8:00 a.m. – 10:00 a.m.
>
> Hyatt Regency Los Angeles International Airport hotel, Los Angeles, CA

Directly and materially affected parties who are interested in participating as a member of the AGSC ROLAGS 2 Standards Committee are invited to attend.

Please contact kbimber@agsc.org for more information.

B11 Standards Development Committee

The ANSI B11 Standards Development Committee, sponsored by the Secretariat (B11 Standards, Inc.), will hold its semi-annual meeting on 22-23 January 2020 at the SubZero in Goodyear, AZ.

The B11 is an ANSI-accredited standards committee on the broad topic of machine 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).

American National Standards (ANS) – Where to find Procedures, Guidance, Interpretations and More…

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:

- *ANSI Essential Requirements: Due process requirements for American National Standards* (always current edition): www.ansi.org/essentialrequirements
- ANSI Standards Action (weekly public review announcements of proposed ANS and standards developer accreditation applications, listing of recently approved ANS, and proposed revisions to ANS-related procedures): www.ansi.org/standardsaction
- Accreditation information – for potential developers of American National Standards (ANS): www.ansi.org/sdoaccreditation
- ANS Procedures, ExSC Interpretations and Guidance (including a slide deck on how to participate in the ANS process and the BSR-9 form): www.ansi.org/asd
- Lists of ANSI-Accredited Standards Developers (ASDs), Proposed ANS and Approved ANS: www.ansi.org/asd
- American National Standards Key Steps: www.ansi.org/anskeysteps
- American National Standards Value: www.ansi.org/ansvalue
- ANS Web Forms for ANSI-Accredited Standards Developers - PINS, BSR8|108, BSR11, Technical Report: www.ansi.org/PSAWebForms
- Information about standards Incorporated by Reference (IBR): www.ansi.org/ibr
- ANSI - Education and Training: www.standardslearn.org

If you have a question about the ANS process and cannot find the answer quickly, please send an email to psa@ansi.org .

Please also visit Standards Boost Business at www.standardsboostbusiness.org for resources about why standards matter, testimonials, case studies, FAQs and more.

If you are interested in purchasing an American National Standard, please visit https://webstore.ansi.org/

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

NSF International Standard/American National Standard

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

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F.3.3 Methods

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F.3.3.3 Alternate inflow measurement methods

~~In addition to the direct inflow method~~ If the DIM method cannot be used, one of the alternative methods below ~~was validated for each cabinet model and was reviewed and approved by the testing organization~~ may be used to determine the inflow velocity, if provided by the manufacturer.

Alternate inflow measurement methods shall only be used for any or all of the following reasons:

— The space between the face of the biosafety cabinet and permanent fixture directly opposite the access opening is less than 42 inches (1.1 m).

— The BSC was certified by the testing organization prior to NSF/ANSI 49-2002, when the DIM method for measuring inflow velocity was added to the standard.

— Testing is completed on a biosafety cabinet not located in North America.

— The owner/operator of the BSC requests use of a secondary method due to DIM instrument cleanability when the BSC is located in sterile area or clean room.

The DIM shall be used in all other circumstances.

Canopy connected A1 and A2 cabinets must be tested with a method that measures the inflow volume at the work access opening.

***Rationale**: the topic of using alternate inflow measurement methods has received substantial consideration since the issue paper was submitted in 2013. The latest 2 revisions have greatly reduced in number the original proposals from the proponent, however this language gets to the base of the challenge as originally posed, and the proponent is in agreement with the updates. The 3rd and 4th bullets presented also correct negative comments posed in R3, R4 and R5.*

Tracking #49i149r2
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Revision to NSF/ANSI 49 – 2018
Issue 149, Revision 2 (December 2019)

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

NSF/ANSI International Standard for Biosafety Cabinetry —

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

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2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All documents are subject to revision, and parties are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below.

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~~UL 61010A-1 *UL Standard for Safety Electrical Equipment for Laboratory Use; Part 1: General Requirements*~~**~~Error! Bookmark not defined.~~**

~~UL 61010-1 *UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements*~~**~~Error! Bookmark not defined.~~**

IEC 61010-1 Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use - Part 1: General Requirements

***Rationale**: Standard 49 states "compliance to the requirements of the current edition of any national standard that is based on IEC 61010-1". IEC 61010-1 is not currently listed in the reference list. This update removes the ambiguity.*

BSR/UL 2808, Standard for Safety for Energy Monitoring Equipment

1. The proposed first edition of Standard for Safety for Energy Monitoring Equipment, ANSI/CAN/UL 2808, covers submetering equipment and open and enclosed type current sensors intended for factory or field installation within distribution and control equipment such as panelboards, switchboards, industrial control equipment, and energy monitoring/management equipment. Installation is in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code (CE Code), CSA C22.1. These requirements also cover "Service Entrance" enclosed-type current sensors intended for indoor and outdoor use.

PROPOSAL

8.1 All metallic parts of the current sensor shall be insulated or otherwise recessed within the insulating case to reduce the likelihood of creating a risk of electric shock within the installation. Materials for a molded insulating case shall comply with Table 8.1.

10.1 Current sensors field wiring leads and electrical sleeving shall be rated 600 V for current sensors marked "600 V", minimum 1000 V for current sensors marked "1000 V", and "1500 Vdc" for all others. Current sensors field wiring leads and electrical sleeving shall be rated minimum 300 V for current sensors marked "250 V", minimum 600V for current sensors marked "600 V", minimum 1000 V for current sensors marked "1000 V", and "1500 Vdc" for all others. All conductor insulation and conductor sleeving shall be rated minimum 90°C (194°F).

11.1 Each current sensor shall be provided with installation instructions or a statement identifying how open circuit secondary voltage is limited to no greater than 30 Vrms, 42.4 V peak or 60 Vdc at its output. Where internal burden components are used, see Section 16 18. In Canada, the dc limits are 42.4 Vdc as defined CAN/CSA-C22.2 No. 0.

17.1 The current transformer is to be tested in an ambient temperature within the range of 10 – 40 °C (50 – 104° F). The current sensor shall have a primary conductor, energized at rated current and frequency, passing through the window. If the current sensor has multiple frequency ratings, the lowest frequency shall be used. The current sensor shall be operated continuously with secondary conductors short-circuited until constant temperatures are reached.

Exception: Because there is negligible self-heating in Rogowski coils, they are exempt from the Temperature Test.

20.2 Three representative specimens of each current sensor series rated for cold ambient use shall be cooled to the manufacturer's defined low ambient rating, ±2.0°C (35.6° F). Enclosed-type current sensors shall be cooled to the above, or minus 35.0 ±2.0°C (95.0 -31±35.6° F), whichever is colder. Sensors shall be maintained at this temperature for at least 3 hours.

22.3.1 Additional instructions for submetering equipment shall include:

a) The word "WARNING" and the following or equivalent statement, "To reduce the risk of electric shock, always open or disconnect circuit from power-distribution system (or service) of building before installing or servicing submetering equipment."

b) Instructions for the installation of submeter shall include the following statement:

1) Submetering equipment shall not be mounted within 50.8 mm (2 in) in of any live parts including primary conductors, primary terminals, primary lugs. This requirement excludes insulated cables.

2) Submeters attached to the enclosure shall not contact the panel interior insulation.

3) Mounting provisions shall not be attached to any live part.

4) Voltage sensing and power supply connections to the primary voltage shall have overcurrent protection.

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(5) Do not install submetering equipment in any area where breaker arc venting exhaust gasses could be re-directed as a result of submetering equipment installation.

22.4 Additional instructions for signal gathering accessories

22.4.1 Do not install signal gathering accessories in any area where breaker arc venting exhaust gasses could be re-directed as a result of signal gathering accessory installation.

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BSR/UL 9595, Standard for Factory Follow-Up on Personal Flotation Devices (PFDs)

1. **Proposed First Edition of the Standard for Factory Follow-Up on Personal Flotation Devices (PFDs), ANSI/CAN/UL 9595**

PROPOSAL

A7.1 Method

With the PFD supported by the top cylinder and only the closure(s) to be tested closed and engaged, the test load shall be applied to the bottom cylinder so that the required load is applied to the PFD. For all load tests, any load from the test fixtures applied to the device shall be included in the test load (bottom cylinder, etc.). The test load shall be ~~slowly~~ applied at a gradual and consistent rate so that the force is fully applied within 30 to 45 seconds and maintained for the specified time.

A8.1 Method

With the PFD supported by the 76 +/- 6 mm wide strap, a test load shall be applied to the bottom of the test form so that the required load shall be applied through the collar and through its attachment means to the test form. The total load shall include the test load, its attachment means, and the test form. The PFD shall be lifted with the 76 +/- 6 mm wide strap so that the test load is ~~slowly~~ applied at a gradual and consistent rate so that the force is fully applied within 30 to 45 seconds and maintained for the required duration.

Alternate Method

Each sample shall be suspended in an inverted position by means of a cylinder passed through the two arm holes, with the load applied to a single shoulder section. The strap for applying the appropriate test load shall be 76 +/- 6 mm wide and have a 6 mm +/- 2mm thick foam covering. The test load shall be ~~slowly~~ applied at a gradual and consistent rate so that the force is fully applied within 30 to 45 seconds and maintained for the specified time.

A15.1 Method

The test form shall be freely supported from the top, and then the test load shall be ~~slowly~~ gradually applied at a consistent rate over 30 to 45 seconds until the inflation system completely supports the weight, and maintained in this position for a minimum of 5 minutes. After removal of the load, the chamber inflation pressure shall be measured and recorded.

A16.1 Method

The ring buoy shall be suspended by a 38 to 51 mm wide strap passed around the middle of the grab line and the splice or knot shall be located within the area marked "A" as shown in Figure A16.1. A 890 N force shall then be applied gradually at a consistent rate over 30 to 45 seconds by a second 39 to 51 mm wide strap passed around the body of the ring at the location 180 degrees from the point of suspension. The test load shall be maintained for a minimum of 30 minutes.

A17.1 Method

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The horseshoe buoy shall be suspended by a 38 to 51 mm wide strap passed about the body at a location midway between the two ends as shown in Figure A17.1. An 890 N force shall then be applied gradually at a consistent rate over 30 to 45 seconds by a second 38 to 51 mm wide strap passed around the grab or closure strap. The test load shall be maintained for a minimum of 30 minutes.

A18.1 Method

The cushion shall be suspended by a 76 mm +/- 6 mm wide strap with 6.0 mm +/- 2 mm thick foam, then passed around the middle of the grab strap as shown in Figure A18.1. A 667 N force shall then be applied gradually at a consistent rate over 30 to 45 seconds by a second 76 mm +/- 6 mm wide strap covered on both sides with 6.0 mm +/- 2 mm thick foam, then passed around the middle of the other grab strap at the location 180 degrees from the point of suspension. The test load shall be maintained for a minimum of 10 minutes.

A19.1 Method

A sample of the complete PFD shall be secured to a test form using all closure systems on the PFD. The test form shall be as described in Figure A8.1. Any means of adjustment on the harness shall be fully tightened. The test form shall be secured in a face up position to a hoist by routing webbing through the waist, neck and arm stubs of the test form. The rescue line attachment ring shall be placed at the back of the PFD and the rescuer's harness webbing passed through it. The webbing shall be properly threaded through the buckle and secured in accordance with the Manufacturer's instructions. The test load is then attached by appropriate means to the rescue line attachment ring, as shown in Figure A19.1. The total load applied to the PFD shall be 245 N and included the test load and the attachment means. The test load is applied gradually at a consistent rate over 30 to 45 seconds and maintained in this position until the buckle is released.

A20.1 Method

Complete PFD Test Method

A sample of the complete PFD shall be secured to a test form shown in Figure A8.1 and all closure systems on the PFD shall be secured. All means of adjustment on the rescuer’s harness are fully tightened. The webbing is then marked so that slippage of the webbing through the harness hardware can be measured. The rescue line attachment ring, shown in Figure A19.1, shall be placed at the back of the PFD and the rescuer’s harness webbing passed through it. The webbing shall be properly threaded through the buckle and secured in accordance with the Manufacturer’s instructions. The test load shall be attached by appropriate means to the rescue line attachment ring. The total load applied to the PFD shall be 3200 N and include the pulling weight and the attachment means. The test load is applied gradually at a consistent rate over 30 to 45 seconds and maintained in this position for 2 minutes. At the end of the 2 minute period, the slippage of the webbing through the hardware shall be recorded as either ≤ 76 mm or > 76 mm.

Waist Belt Section Test Method

The harness shall be closed to form a loop leaving a minimum of 76 mm of excess strap. The webbing is then marked so that slippage of the webbing through the harness hardware can be measured. The ring shall be attached to a hoist. The loop is then attached to a test load. At the beginning of the test, the harness hardware shall be located

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midway between the test load attachment and the hoist. The total load applied to the PFD shall be 3200 N and includes the test load and the attachment means. The test load is applied gradually at a consistent rate over 30 to 45 seconds and maintained in this position for 2 minutes. At the end of the 2 minute period, the slippage of the webbing through the hardware shall be recorded as being either ≤ 76 mm or > 76 mm.

A22.1 Method

The buoyancy of each sample shall be computed by subtracting the submerged weight of the weighted basket containing the sample from the submerged weight of the weighted basket without the sample, then dividing the sample buoyancy by the sample volume.

A26.1 Method

The weight of kapok contained in each insert envelope~~s~~ from each PFD shall be established by removal of kapok from the envelope~~s~~, or by tare weight method, using a balance or digital type weighing scale.

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BSR/UL 83, Standard for Safety for Thermoplastic-Insulated Wires and Cables

1. Modification of Requirements for Conductor Stranding Marking on Product, Revised 6.1.5 and New Table 42

6.1.5 Conductor stranding

~~A wire employing other than ASTM Class B, C, or SIW stranding shall be marked with the conductor class or classes and the number of strands. Example: 2 AWG (259w Class H)~~ A wire or cable employing stranded conductors that are more finely stranded than Class B or C stranding (including Class B and Class C compact) shall be marked with the conductor class or classes. For conductor class, refer to Clause 4.1. For the number of strands on Class B or C conductors, see Table 42.

Note: A wire or cable employing SIW or combination unilay stranding need not be marked.

(NEW) Table 42

Conductor stranding

(See Clause 6.1.5.)

Conductor size		Number of strands					
		Copper		Aluminum		Copper-clad aluminum	
mm^2	(AWG or kcmil)	Class B	Class C	Class B	Class C	Class B	Class C
2.1 - 33.6	(14 - 2)	7	19	7[a]	19[a]	7[a]	19[a]
42.4 - 107	(1 - 4/0)	19	37	19	37	19	37
127 - 253	(250 - 500)	37	61	37	61	37	61
304 - 508	(600 - 1000)	61	91	61	91	61	91
635 - 759	(1250 - 1500)	91	127	-	-	-	-
886 - 1016	(1750 - 2000)	127	169	-	-	-	-

[a] Aluminum and copper-clad aluminum 14 AWG (2.1 mm^2) are not available.

Note: In Canada and Mexico, copper-clad aluminum conductors shall not be used in thermoplastic-insulated wires and cables.

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BSR/UL 763, Standard for Safety for Motor-Operated Commercial Food Preparing Machines

3. Proposed requirements for Immersion Blenders

3.20 MOMENTARY CONTACT ON/OFF SWITCH - A switch intended to energize an appliance when pressed. Constant pressure is required to keep the unit energized.

3.21 WAND-TYPE MIXER (may also be known as an immersion blender) is a hand-held, portable appliance that is intended to process foods in a container. It is equipped with a rotating shaft (wand) with a mixing/blending head which is immersed into the food to crush, mix, mash, emulsify, etc. into soups, mashes, purees, sauces, mayonnaise, cream, dairy products and more generally to process all solid, liquid, pasty or powdery foods to obtain a homogeneous fluid. The mixing/blending head is a cutting tool composed of high-speed rotating blades located at the end of the shaft. These appliances may be provided with a whipping or beater whisk attachment. A whipping whisk is comprised of flexible and long wires gathered together around one or several rotating shaft(s) and a beater whisk is identical except comprised of metal strips (bands).

31.1 A hand-held wand-type mixer shall be provided with a momentary contact ON/OFF switch (defined in Clause 3.20) having the following features:

a) The switch shall be recessed or guarded as required in Clause 31.6; ~~A distinct and separate motion, in addition to separate from gripping the product, shall be required to energize the unit;~~ and

Exception to Clause 31.1(a): A hand-held wand-type mixer requiring two separate actuations to energize the unit. The last actuation shall be a momentary contact ON/OFF switch.

~~b) The motion shall not be easily defeatable ;~~

~~c)~~b) A single motion shall be required to de-energize the unit; and

~~d)~~c) The switch shall not be capable of locking in ~~the~~ a continuous ON mode. ~~position.~~

Exception to Clause 31.1(c): A hand-held wand-type mixer may be provided with a continuous ON mode under the following conditions:

a) It is provided with visual indicator so the operator can determine by visual inspection that the appliance is operating (e.g. the blade is rotating); and

b) The operation shall require at least two separate actuations to engage the continuous ON mode. The two actuations shall include:

1) A momentary contact ON/OFF switch must first be actuated to initiate operation of the unit; and

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2) A separate actuation to engage the continuous ON mode. After the continuous ON mode is engaged, the momentary contact ON/OFF switch may be released; and

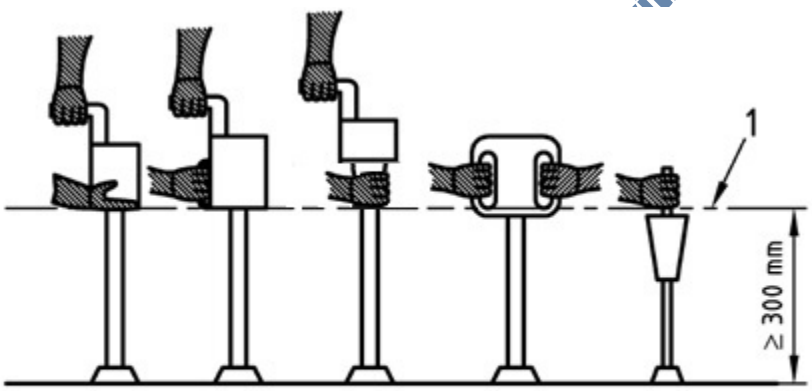
c) A single actuation shall de-energize the unit; and

d) The blade shall be guarded as required in Clause 31.3; and

f) The grip zone and the grips shall be designed and constructed in such a way that the user's hands are kept away from the rotating attachment. The distance between the lowest grip point specified by the manufacturer and the rotating attachment shall not be less than 12 inches (300 mm), as shown in Figure 31.1; and

Figure 31.1

Safety distance between the grip zone and the tool



Key
1 Lower limit of the grip zone

31.5 For wand-type mixer provided with a whisk or mixer attachment, a guard shall be provided to avoid accidental slipping of the hand into the rotating parts. The dimension of the guard shall be at least 1.2 inches (30 mm) greater than the dimensions of the grip zone specified by the manufacturer in all direction, and it shall be located between the grip zone and the rotating attachment as shown in Figure 31.2.

Figure 31.2

Minimum dimension of protecting guard flange

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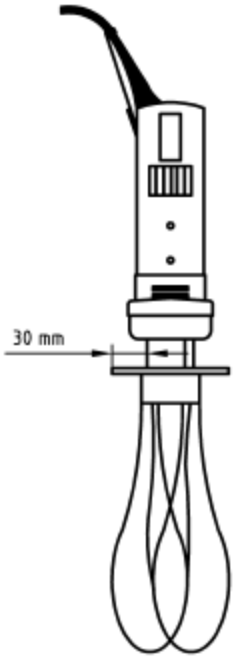

31.6 The switch is considered to be recessed or guarded to reduce the risk of unintentional operation if a cylindrical rod, having a diameter of 1.58 inches (40 mm) and a hemispherical end, applied with a force not exceeding 1.1 lbf (5 N) perpendicular to the switch actuator, does not operate the unit.

NOTE: Based on the design of the product, if necessary, the appliance can be dis-assembled to conduct this test.

65.6 For a wand-type mixer provided with a Continuous ON feature as specified in the Exception to Clause 31.1(c), the manufacturer shall provide the recommended grip points in the user instructions.

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BSR/UL 2127, Standard for Safety for Inert Gas Clean Agent Extinguishing System Units

1. Minimum Temperature requirement

PROPOSAL

7.5 Where U.S. customary units are employed, the minimum storage temperature of an extinguishing system unit shall be 35°F (1.7°C) or higher in increments of 5 ~~10~~°F (2.8°C) up to a maximum of 65˚F (18.3˚C); 32°F (0°C), 0°F (minus 17.8°C), or lower in increments of 10°F (5.5°C); and a maximum storage temperature of either 100°F (37.8°C), 120°F (48.9°C), 130°F (54.4°C), or higher in increments of 10°F (5.5°C), except that the 100°F (37.8°C) maximum storage temperature applies to an automatic extinguisher unit only.

7.6 Where SI (System International) units are employed, extinguishing system units shall have a minimum storage temperature of 1.7˚C (35°F) or higher in increments of 2.8 ~~5~~°C (5~~9~~°F) up to a maximum of 18.3˚C (65˚F); 0°C (32°F), -20°C (minus 4°F) or lower in increments of 5°C (9°F); and a maximum storage temperature of 37.8°C (100°F), 50°C (122°F), or higher in increments of 5°C (9°F), except that the 37.8°C (100°F) maximum storage temperature applies to an automatic extinguisher unit only.

2. Error corrections

PROPOSAL

Table 35.1

Polymeric fuel properties

25 kW/m^2 exposure in cone calorimeter - ASTM E1354								
					180 second average		Effective	
Fuel	Color	Density (g/cm^3)	Ignition time (s)	Tolerance	Heat release rate kW/m^2	Tolerance	Heat of combustion MJ/kg	Tolerance
PMMA	Black	1.19	77	±30%	286	±25%	23.3	±15%
Polypropylene	Natural (white)	0.905	91	±30%	225	±25%	39.8	±15%
ABS	Natural (crea	1.04	115	±30%	484	±25%	29.1	±15%

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	m ~~white~~)							

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BSR/UL 2166, Standard for Safety for Halocarbon Clean Agent Extinguishing System Units

1. Minimum Temperature requirement

PROPOSAL

7.5 Where U.S. customary units are employed, the minimum storage temperature of an extinguishing system unit shall be 35°F (1.7°C) or higher in increments of 5 ~~10~~°F (2.8°C) up to a maximum of 65˚F (18.3˚C); 32°F (0°C), 0°F (minus 17.8°C), or lower in increments of 10°F (5.5°C); and a maximum storage temperature of either 100°F (37.8°C), 120°F (48.9°C), 130°F (54.4°C), or higher in increments of 10°F (5.5°C), except that the 100°F (37.8°C) maximum storage temperature applies to an automatic extinguisher unit only.

7.6 Where SI (System International) units are employed, extinguishing system units shall have a minimum storage temperature of 1.7˚C (35°F) or higher in increments of 2.8 ~~5~~°C (5~~9~~°F) up to a maximum of 18.3˚C (65˚F); 0°C (32°F), -20°C (minus 4°F) or lower in increments of 5°C (9°F); and a maximum storage temperature of 37.8°C (100°F), 50°C (122°F), or higher in increments of 5°C (9°F), except that the 37.8°C (100°F) maximum storage temperature applies to an automatic extinguisher unit only.

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BSR/UL 2225, Standard for Safety for Cables and Cable-Fittings *for Use in Hazardous (Classified) Locations*

1. This proposal provides revisions to the proposal document dated October 4, 2019 per comments received.

PROPOSAL

9 Crushing Test

9.1 ~~A Crushing Test shall be conducted using the requirements, including sample selection specified for the Crushing Test - All Cable, in the Standard for Metal-Clad Cables. However, the crushing force is to be 1500 pound-force (6670 N) for the test with the 14 AWG conductors. ITC-HL cables are to be tested only with 14 AWG conductors to represent sizes 22 to 12. ITC-HL cables are permitted to be tested with smaller conductor sizes that represent only the size tested.~~

A Crushing Test for all cable types shall be conducted using the requirements specified for the Crushing Test - All Cable, in the Standard for Metal-Clad Cables, UL 1569, with the following modifications.

- The sample for non-ITC-HL cables shall contain 3 - 14 AWG conductors and 3 - 2 AWG conductors.

- The sample for ITC HL cables is permitted to contain only 14 AWG conductors (to represent all sizes from 22 AWG to 12 AWG) or small conductor sizes to represent only the size tested.

- The crushing force is to be 1500 pound-force (6670 N) for the test with the 14 AWG conductors.

16.4 A fitting having Metric threads ~~shall have not less than 8 threads of tolerance class 6g~~ intended for installation in a threaded entry of a flameproof equipment enclosure, the threaded part shall be at least 8 mm in length and be comprised of at least eight full threads. If the thread is provided with an undercut, regardless of the size of the undercut, then a non-detachable and non-compressible washer or equivalent device shall be provided by the manufacturer as a part of the fitting to ensure the required length of thread engagement. The thread shall have a tolerance Class of 6g or better according to ISO 965-1 and ISO 965-3.

NOTE The above requirement for at least eight full threads serves to ensure that at least five full threads will be engaged when the cable gland is installed in a threaded entry – taking into account the presence of an chamfer or undercut.

28.4.3.4 Immediately after removal from the low-humidity chamber, the samples are to be supported by means of insulators in a room having a relative humidity not more ~~then~~ than 35 percent and having all sources of light, other than electrical sparks, eliminated. An electrostatic ~~change~~ charge is to be sprayed on nonconductive parts of the product using a Van de Graaf generator limited to ~~50000~~ 5000 volts.

Note from the Project Manager – 37.3 revisions shown only for items b) and g) for ease of review.

b) The applicable Zone marking - i.e. ~~Zone 0,~~ Zone 1~~,~~ or Zone 2;

g) Equipment protection level (EPL), “Gb” or “Gc” as is applicable.

BSR/UL 9540, Standard for Safety for Energy Storage Systems and Equipment

1. ***The proposed second edition of ANSI/CAN/UL 9540 with the following changes: (a) Addition of UL 1973 to Appendix A Component List, (b) Addition of ISO Functional safety standards, (c) Revision of grounding and bonding system construction, (d) Revision of the strength of enclosure walls and supports requirements, (e) References to required signage and instructions, (f) Deletion of non-mandatory language throughout standard, (g) Revision of scope language for clarity, (h) Revisions to the Fire Detection and Suppression Section, (i) Proposed addition of new 32.4.6, (j) Revision to Mechanical Tests for Clarification, (k) Clarification of 1.2, (l) Revision of 6.4, harmonization with other existing standards, (m) Enclosure materials for outdoor installations, (n) Short Circuit Exposure Evaluation, (o) Clarification of Scope, (p) Clarifications of Component and Normative Reference Section, (q) Clarification of corrosion requirements for Enclosures, (r) Revisions to make the use of term "energy storage system" consistent throughout entire standard, (s) Clarification of Instructions for Worker Safety, (t) Revisions to Clarify Intent and Application of 11.1 and 12.2, (u) Clarifications of system requirements for where the system is installed, (v) Clarification of the Intended Environment, (w) Clarification of Bonding and Grounding Requirements, (x) Clarifications of 17.1 and 18.1, (y) Clarification of 21.1, (z) Clarification of 32.2.2, (aa) Clarification of 40.4 and 40.5, (ab) Clarification of 11.2, (ac) Addition of requirements for Residential ESS, (ad) Addition of production checks on electronic controls, (ae) Addition of requirements for Quality Control of production, (af) Additional testing options, (ag) Addition of a wall mount fixture test for wall mounted ESS, (ah) Addition of Normative Appendix D for alternative lead acid or ni-cad battery system evaluation, (ai) Revision of 12.3 to add short circuit protection, (aj) Addition of Informative Appendix E for Guidance on Capacity and Separation Distance Limits for ESS, (ak) Addition of EMC testing, (al) Revision of utility grid interaction reaction requirements, (am) Clarification of the scope, (an) Clarification of Vapor concentration requirements, (ao) Addition of emergency contact marking, (ap) Clarification of flame test surface area; aq) Addition of 8.2 and Appendix F***

1 Scope

1.1 These requirements cover energy storage systems that are intended to receive and store energy in some form so that the energy storage system can provide electrical energy to loads or to the local/area electric power system (EPS) when needed. The types of energy storage covered under this standard include electrochemical, chemical, mechanical and thermal. The energy storage system shall be constructed either as one unitary complete piece of equipment or as matched assemblies, that when connected, form the system. This standard is a system standard, where an energy storage system consists of the an energy storage mechanism, power conversion equipment and balance of plant equipment as shown in Figure 6.1. Individual parts (e.g. power conversion system, battery system, etc.) of an energy storage system are not considered an energy storage system on their own. This standard evaluates the compatibility and safety of these various components integrated into a system.

NOTE: Energy storage systems may include equipment for charging, discharging, control, protection, power conversion, communication, controlling the system environment, air, fire detection and suppression system, fuel or other fluid movement and containment, etc.

23.2 Large scale fire testing

23.2.1 Electrochemical type ESS, including but not limited to capacitor and battery ESS, shall be subjected to the large scale fire testing in accordance with UL 9540A as follows in (a) - (g) ~~(f)~~. See Appendix E for guidance on code limits related to separation distances and energy capacity.

a) Systems with increased energy capacities as required in codes and standards;

b) Indoor systems with decreased separation distances to adjacent ESS units, doors and windows, or to combustibles, non-combustibles, or limited combustibles. This includes building construction components (e.g. wall and ceilings) or any materials in the vicinity of the ESS. See 40.2;

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c) Outdoor systems with decreased separation distances to adjacent units and to exposures. See 40.4;

d) Outdoor wall mounted systems with reduced separation distances;

e) Indoor wall mounted systems;

f) Systems for installation in residential dwellings (where permitted); and

g) When an explosion analysis is required to confirm the installations location is safe.

23.2.2 Electrochemical ESS intended for use in the living or habitable space of a residential dwelling unit (where permitted) shall meet the Performance - Cell Level Test requirements in UL 9540A. Systems complying with these requirements shall be marked in accordance with 39.3(n).

MARKINGS

39.3 Energy storage systems shall be marked as follows in (a) - (r)~~(q)~~. Energy storage systems shall also be marked with the manufacturer's name, trade name, trademark or other descriptive marking, which identifies the organization responsible for the product, part number or model number, and electrical ratings and other ratings in (a) - (k) and (q) if applicable. All ratings and rating information necessary for the installation and operation of the ESS shall be provided in the system instructions. If the installation location of the system has limitations (i.e. can only be located indoors where it is sheltered from rain and UV or outdoors only), these location limitations shall be indicated on the label and installation instructions. If the system is intended for installation in a location where local regulations indicate a need for a seismic rating on equipment, an appropriate seismic rating shall be included on the label.

a) Output and input current (maximum) in A;

b) Output and input voltage (minimum and maximum) in V;

c) Power input and output (maximum) in W or VA;

d) Energy output in Wh (maximum);

e) Auxiliary output and input voltage (V), current (A) and frequency (Hz) if applicable;

f) Number of phases (for input and output if applicable);

g) Frequency in Hz (if applicable);

h) Duty cycle (if applicable);

i) Maximum short circuit current in A (based upon fault current tolerance of the power conditioning system at its output directly connected to the grid);

j) Ambient temperature range in °C or °F;

k) Special environmental ratings and limitations as applicable (e.g. seismic, indoor/outdoor only, etc.);

l) Weight (maximum) in lbs or kg, etc.;

m) Maximum dimensions for height, width, and length (this dimensions information need not be marked on the system as long as it is provided in the installation instructions);

n) Systems complying with 23.2.2 shall be marked "Suitable For Use in Residential Dwelling Units Where Permitted";

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o) Suppression system to be installed if applicable;

p) Technology utilized in system (e.g. lithium ion, nickel cadmium, flywheel storage); ~~and~~

q) Any additional ratings or markings that are required by UL 1741; and

r) Systems meeting the cell level performance criteria of UL 9540A shall be marked with "This equipment meets the cell level performance criteria of UL 9540A."

39.3A For multi-part ESS, the complete label items (a) - (r) ~~(q)~~ as applicable shall be marked on the main portion containing the energy storage mechanism (e.g. battery system) with the remaining separate parts of the system marked in accordance with the nameplate markings required per the component safety standard they were evaluated to as well as additional markings to indicate that they are part of the overall ESS system including the ESS manufacturer's name as noted above, the ESS part number and some statement such as "part 1 of 4 parts" or equivalent. If these parts are not shipped from the ESS factory and are not assembled until they are in the field, the label on the main unit (i.e. energy storage mechanism) shall include the various parts of the system that are to be added in the field to compromise the complete ESS that has been evaluated to this standard.

a) Output and input current (maximum) in A;

b) Output and input voltage (minimum and maximum) in V;

c) Power input and output (maximum) in W or VA;

d) Energy output in Wh (maximum);

e) Auxiliary output and input voltage (V), current (A) and frequency (Hz) if applicable;

f) Number of phases (for input and output if applicable);

g) Frequency in Hz (if applicable);

h) Duty cycle (if applicable);

i) Maximum short circuit current in A (based upon fault current tolerance of the power conditioning system at its output directly connected to the grid);

j) Ambient temperature range in °C or °F;

k) Special environmental ratings and limitations as applicable (e.g. seismic, indoor/outdoor only, etc.);

l) Weight (maximum) in lbs or kg, etc.;

m) Maximum dimensions for height, width, and length (this dimensions information need not be marked on the system as long as it is provided in the installation instructions);

n) Systems complying with 23.2.2 shall be marked "Suitable For Use in Residential Dwelling Units Where Permitted";

o) Suppression system to be installed if applicable;

p) Technology utilized in system (e.g. lithium ion, nickel cadmium, flywheel storage); ~~and~~

q) Any additional ratings or markings that are required by UL 1741; and

r) Systems meeting the cell level performance criteria of UL 9540A shall be marked with "This equipment meets the cell level performance criteria of UL 9540A."

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INSTRUCTIONS

40.7 Installation instructions for residential use electrochemical ESS shall be permitted to indicate the units are suitable for use in residential dwellings where permitted, including in the living or habitable spaces, provided that they meet the criteria as noted in 23.2.2.

40.12 With reference to 40.9, the installation instructions for ESS, such as flow batteries, lead acid batteries, etc., containing free electrolyte (greater than 208 L (55 gal) in a single vessel or an aggregate of 3785 L (1000 gal)) shall be provided with instructions for location of eye wash stations. In addition, if necessary in accordance with building codes, installation instructions shall provide information on spill control to be installed with the system per 21.1 and 21.3 ~~21.4~~.

APPENDIX C (INFORMATIVE)
Safety Marking Translations

Table C.1
Safety marking translations

Reference	English	French
39.3(n), 39.3A(n)	"Suitable For Use in Residential Dwelling Units Where Permitted"	« Convenant à une utilisation dans des logements résidentiels là où c'est permis »
39.3(r), 39.3A(r)	"This equipment meets the cell level performance criteria of UL 9540A."	« Cet équipement répond aux critères de performance au niveau des cellules de UL 9540A »

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2020 Standards Action Publishing | Volume No. 51

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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
1	12/17/2019	12/23/2019	Jan-3	2/2/2020	2/17/2020	3/3/2020
2	12/24/2019	12/30/2019	Jan-10	2/9/2020	2/24/2020	3/10/2020
3	12/31/2019	1/6/2020	Jan-17	2/16/2020	3/2/2020	3/17/2020
4	1/7/2020	1/13/2020	Jan-24	2/23/2020	3/9/2020	3/24/2020
5	1/14/2020	1/20/2020	Jan-31	3/1/2020	3/16/2020	3/31/2020
6	1/21/2020	1/27/2020	Feb-7	3/8/2020	3/23/2020	4/7/2020
7	1/28/2020	2/3/2020	Feb-14	3/15/2020	3/30/2020	4/14/2020
8	2/4/2020	2/10/2020	Feb-21	3/22/2020	4/6/2020	4/21/2020
9	2/11/2020	2/17/2020	Feb-28	3/29/2020	4/13/2020	4/28/2020
10	2/18/2020	2/24/2020	Mar-6	4/5/2020	4/20/2020	5/5/2020
11	2/25/2020	3/2/2020	Mar-13	4/12/2020	4/27/2020	5/12/2020
12	3/3/2020	3/9/2020	Mar-20	4/19/2020	5/4/2020	5/19/2020
13	3/10/2020	3/16/2020	Mar-27	4/26/2020	5/11/2020	5/26/2020
14	3/17/2020	3/23/2020	Apr-3	5/3/2020	5/18/2020	6/2/2020
15	3/24/2020	3/30/2020	Apr-10	5/10/2020	5/25/2020	6/9/2020
16	3/31/2020	4/6/2020	Apr-17	5/17/2020	6/1/2020	6/16/2020
17	4/7/2020	4/13/2020	Apr-24	5/24/2020	6/8/2020	6/23/2020
18	4/14/2020	4/20/2020	May-1	5/31/2020	6/15/2020	6/30/2020
19	4/21/2020	4/27/2020	May-8	6/7/2020	6/22/2020	7/7/2020
20	4/28/2020	5/4/2020	May-15	6/14/2020	6/29/2020	7/14/2020
21	5/5/2020	5/11/2020	May-22	6/21/2020	7/6/2020	7/21/2020
22	5/12/2020	5/18/2020	May-29	6/28/2020	7/13/2020	7/28/2020
23	5/19/2020	5/25/2020	Jun-5	7/5/2020	7/20/2020	8/4/2020
24	5/26/2020	6/1/2020	Jun-12	7/12/2020	7/27/2020	8/11/2020
25	6/2/2020	6/8/2020	Jun-19	7/19/2020	8/3/2020	8/18/2020
26	6/9/2020	6/15/2020	Jun-26	7/26/2020	8/10/2020	8/25/2020
27	6/16/2020	6/22/2020	Jul-3	8/2/2020	8/17/2020	9/1/2020
28	6/23/2020	6/29/2020	Jul-10	8/9/2020	8/24/2020	9/8/2020
29	6/30/2020	7/6/2020	Jul-17	8/16/2020	8/31/2020	9/15/2020

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ISSUE	SUBMIT START	*SUBMIT END 5 PM	SA PUBLISHED	30-DAY PR END	45-DAY PR END	60-DAY PR END
30	7/7/2020	7/13/2020	Jul-24	8/23/2020	9/7/2020	9/22/2020
31	7/14/2020	7/20/2020	Jul-31	8/30/2020	9/14/2020	9/29/2020
32	7/21/2020	7/27/2020	Aug-7	9/6/2020	9/21/2020	10/6/2020
33	7/28/2020	8/3/2020	Aug-14	9/13/2020	9/28/2020	10/13/2020
34	8/4/2020	8/10/2020	Aug-21	9/20/2020	10/5/2020	10/20/2020
35	8/11/2020	8/17/2020	Aug-28	9/27/2020	10/12/2020	10/27/2020
36	8/18/2020	8/24/2020	Sep-4	10/4/2020	10/19/2020	11/3/2020
37	8/25/2020	8/31/2020	Sep-11	10/11/2020	10/26/2020	11/10/2020
38	9/1/2020	9/7/2020	Sep-18	10/18/2020	11/2/2020	11/17/2020
39	9/8/2020	9/14/2020	Sep-25	10/25/2020	11/9/2020	11/24/2020
40	9/15/2020	9/21/2020	Oct-2	11/1/2020	11/16/2020	12/1/2020
41	9/22/2020	9/28/2020	Oct-9	11/8/2020	11/23/2020	12/8/2020
42	9/29/2020	10/5/2020	Oct-16	11/15/2020	11/30/2020	12/15/2020
43	10/6/2020	10/12/2020	Oct-23	11/22/2020	12/7/2020	12/22/2020
44	10/13/2020	10/19/2020	Oct-30	11/29/2020	12/14/2020	12/29/2020
45	10/20/2020	10/26/2020	Nov-6	12/6/2020	12/21/2020	1/5/2021
46	10/27/2020	11/2/2020	Nov-13	12/13/2020	12/28/2020	1/12/2021
47	11/3/2020	11/9/2020	Nov-20	12/20/2020	1/4/2021	1/19/2021
48	11/10/2020	11/16/2020	Nov-27	12/27/2020	1/11/2021	1/26/2021
49	11/17/2020	11/23/2020	Dec-4	1/3/2021	1/18/2021	2/2/2021
50	11/24/2020	11/30/2020	Dec-11	1/10/2021	1/25/2021	2/9/2021
51	12/1/2020	12/7/2020	Dec-18	1/17/2021	2/1/2021	2/16/2021
52	12/8/2020	12/14/2020	Dec-25	1/24/2021	2/8/2021	2/23/2021