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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

Comment Deadline: May 19, 2019

NSF (NSF International)

Revision

BSR/NSF 40-201x (i32r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

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

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

BSR/NSF 40-201x (i34r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities between 1514 L/day (400 gal/day) and 5678 L/day (1500 gal/day). Management methods for the treated effluent discharged from residential wastewater treatment systems are not addressed by this Standard.

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

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

BSR/NSF 245-201x (i6r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)

This wastewater standard contains minimum requirements for residential wastewater treatment systems having rated treatment capacities of 1514 L/d (400 gal/d) to 5678 L/d (1500 gal/d) that are designed to provide reduction of nitrogen in residential wastewater. Management methods for the treated effluent discharged from these systems are not addressed by this Standard. A system, in the same configuration, must either be demonstrated to have met the Class I requirements of NSF/ANSI 40 or must meet the Class I requirements of NSF/ANSI 40 during concurrent testing for nutrient removal.

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

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

BSR/NSF/CAN 600-201x (i4r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision and redesignation of ANSI/NSF 600-2018)

The Standard defines the toxicological review and evaluation procedures for the evaluation of substances imparted to drinking water through contact with drinking water system components (and drinking water additives). It is intended to establish the human health risk, if any, of the substances imparted to drinking water under the anticipated use conditions of the product. Table 4.1 of this Standard contains evaluation criteria that have been determined according to the requirements of this Standard.

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

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

SPRI (Single Ply Roofing Industry)

New Standard

BSR/MCA FTS-1-201x, Test Method for Wind Load Resistance of Flashings Used with Metal Roof Systems (new standard)

This standard provides a method to evaluate the structural performance of flashings associated with metal roof and wall systems by applying line loads to the flashing attached to supporting material.

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

Send comments (with copy to psa@ansi.org) to: Linda King, info@spri.org

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 325-201x, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2017)

This proposal for UL 325 covers: (1) Withdrawal of Proposal: Change to Introduction Scope; (6) Barrier Arm Manual Release Exception; (7) Barrier Arm Pendulum Support; (8) Outdoor Use Clarification of Edge Sensor Testing; (10) Swing Gate Entrapment Zone Definition and Instruction; and (11) Edge Sensor Endurance Test Force Clarification.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

BSR/UL 521-201x, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2010 (R2015))

Proposed revisions to the 7th Edition of UL 521 include updates to Tables 18.1 and 53.1, clarification of heat detector color markings, and a new field programmable heat detector marking.

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

Send comments (with copy to psa@ansi.org) to: Paul Lloret, (510) 319-4269, Paul.E.Lloret@ul.com

BSR/UL 858-201x, Standard for Safety for Household Electric Ranges (revision of ANSI/UL 858-2018)

This proposal for UL 858 covers: (1) Update to surface element turn off.

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

Send comments (with copy to psa@ansi.org) to: Amy Walker, (847) 664-2023, Amy.K.Walker@ul.com

BSR/UL 1072-201x, Standard for Safety for Medium-Voltage Power Cables (revision of ANSI/UL 1072-2013 (R2018))

The following topic is being proposed: (1) Addition of woven textile fiber to wire shields.

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

Send comments (with copy to psa@ansi.org) to: Marcia Kawate, (510) 319-4259, Marcia.M.Kawate@ul.com

Comment Deadline: June 3, 2019

AAMI (Association for the Advancement of Medical Instrumentation)

New National Adoption

BSR/AAMI/ISO 14117-201x, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators, and cardiac resynchronization devices (identical national adoption of ISO 14117 (under development) and revision of ANSI/AAMI/ISO CDV-2 14117-201x)

This document specifies a comprehensive test methodology for the evaluation of the electromagnetic (EM) compatibility of active implantable cardiovascular devices. The devices addressed by this standard include those that provide one or more therapies for bradycardia, tachycardia, and cardiac resynchronization. This document details test methods appropriate for the interference frequencies at issue. It specifies performance limits or requires disclosure of performance in the presence of EM emitters, where indicated.

Single copy price: Free

Obtain an electronic copy from: https://connect.aami.org/higherlogic/ws/groups/bea9b462-34fc-432d-9e0d-0d1e486b97dd/documents/active595/document?document_id=18290

Send comments (with copy to psa@ansi.org) to: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org

ABYC (American Boat and Yacht Council)

Revision

BSR/ABYC EDU-1-201x, On-Water Recreational Boating Skills - Power (revision of ANSI/ABYC EDU-1-2015)

This standard defines the entry level skills students are able to demonstrate upon successful completion of courses that take place on the water.

Single copy price: \$50.00

Obtain an electronic copy from: www.abycinc.org

Order from: Sara Moulton, (410) 990-4460, smoulton@abycinc.org

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

AGMA (American Gear Manufacturers Association)

New Standard

BSR/AGMA 6022-DXX-201x, Design Manual for Cylindrical Wormgearing (new standard)

This design manual covers the design of fine and coarse pitch cylindrical wormgearing operating at right angles and primarily made as gear sets to be incorporated into other machines and mechanisms. Many of the design procedures are also incorporated in enclosed drives.

Single copy price: \$77.00

Obtain an electronic copy from: tech@agma.org

Order from: tech@agma.org

Send comments (with copy to psa@ansi.org) to: aboutaleb@agma.org

ASABE (American Society of Agricultural and Biological Engineers)

New National Adoption

BSR/ASABE AD8759-1-201x, Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO (national adoption with modifications of ISO 8759-1:2018)

Specifies safety requirements for, and clearance zones around, front-mounted power take-offs (PTO) on agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$44.00 (ASABE Members); \$65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

BSR/ASABE AD8759-3-201x, Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location (national adoption with modifications of ISO 8759-3:2018)

Gives general specification and location requirements for front-mounted power takeoffs (PTO) on agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$44.00 (ASABE Members); \$65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

BSR/ASABE AD8759-4-201x, Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage (national adoption with modifications of ISO 8759-4:2018)

Specifies dimensions and requirements for three-point linkage in association with a power lift for the attachment of implements or equipment to the front of agricultural tractors. It is not applicable to tractors which are designed to run in two directions, where either end can be considered to be the front or the rear.

Single copy price: \$44.00 (ASABE Members); \$65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

ASABE (American Society of Agricultural and Biological Engineers)

Revision

BSR/ASAE S279.18 MONYEAR-201x, Lighting and Marking of Agricultural Equipment on Highways (revision and redesignation of ANSI/ASAE S279.17-2013 (R2017))

This Standard provides specifications for lighting and marking of agricultural equipment whenever such equipment is operating or is traveling on a highway.

Single copy price: \$44.00 (ASABE Members); \$65.00 (Non-members)

Obtain an electronic copy from: vangilder@asabe.org

Order from: Carla VanGilder, (269) 932-7015, vangilder@asabe.org

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

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

Revision

BSR/ASHRAE Standard 84-201X, Method of Testing Air-to-Air Heat/Energy Exchangers (revision of ANSI/ASHRAE Standard 84-2013)

Prescribes the laboratory methods for testing the performance of air-to-air heat and energy exchangers.

Single copy price: \$35.00

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

Order from: standards.section@ashrae.org

Send comments (with copy to psa@ansi.org) to: <http://www.ashrae.org/standards-research--technology/public-review-drafts>

ASME (American Society of Mechanical Engineers)

Revision

BSR/ASME B31.4-201x, Pipeline Transportation Systems for Liquids and Slurries (revision of ANSI/ASME B31.4-2016)

This Code prescribes requirements for the design, materials, construction, assembly, inspection, testing, operation, and maintenance of liquid pipeline systems between production fields or facilities, tank farms, above- or belowground storage facilities, natural gas processing plants, refineries, pump stations, ammonia plants, terminals (marine, rail, and truck), and other delivery and receiving points, as well as pipelines transporting liquids within pump stations, tank farms, and terminals associated with liquid pipeline systems. This Code also prescribes requirements for the design, materials, construction, assembly, inspection, testing, operation, and maintenance of piping transporting aqueous slurries of nonhazardous materials such as coal, mineral ores, concentrates, and other solid materials, between a slurry processing plant or terminal and a receiving plant or terminal.

Single copy price: Free

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

Order from: Mayra Santiago, ASME; ansibox@asme.org

Send comments (with copy to psa@ansi.org) to: Kimberly Verderber, (212) 591-8721, verderberk@asme.org

ATIS (Alliance for Telecommunications Industry Solutions)

Revision

BSR/ATIS 0100523-201x, ATIS Telecom Glossary (revision of ANSI/ATIS 0100523-2011)

The purpose of this standard is to aid interdisciplinary technical communications, and to disseminate the advances in communications technologies benefiting users, vendors, researchers, and developers. Additionally, this standard provides an authoritative source of definitions for standards developers, teachers, technical writers, and all who are active in the telecommunications field.

Single copy price: Free

Obtain an electronic copy from: cbagwill@atis.org

Send comments (with copy to psa@ansi.org) to: cbagwill@atis.org

AWWA (American Water Works Association)

Revision

BSR/AWWA B453-201x, Polyacrylamide (revision of ANSI/AWWA B453-2013)

This standard describes polyacrylamide (PAM) for use in the treatment of potable water, wastewater, and reclaimed water.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

BSR/AWWA D103-201x, Factory Coated Bolted Carbon Steel Tanks for Water Storage (revision, redesignation and consolidation of ANSI/AWWA D103-2009, ANSI/AWWA D103a-2014)

The purpose of this standard is to provide minimum requirements for the design, construction, inspection, and testing of new cylindrical, factory-coated, bolted carbon steel tanks for the storage of water. This standard is only applicable to tanks with a base elevation substantially at ground level.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

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

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

BSR/AWWA D108-201x, Aluminum Dome Roofs for Water Storage Facilities (revision of ANSI/AWWA D108-2010)

This standard establishes minimum criteria for the design, fabrication, and erection of structurally supported aluminum dome roofs.

Single copy price: Free

Obtain an electronic copy from: ETSsupport@awwa.org

Order from: AWWA, Attn: Vicki David, vdauid@awwa.org

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

SCTE (Society of Cable Telecommunications Engineers)

Revision

BSR/SCTE 126-201x, Test Method for Distortion of 2-Way Amplifiers Caused by Insufficient Isolation of Built-In Diplex Filter (revision of ANSI/SCTE 126-2013)

This test procedure applies as a method to measure distortion created in a 2-way amplifier caused by an upstream signal.

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 copy to psa@ansi.org) to: admin@standards.scte.org

UL (Underwriters Laboratories, Inc.)

Reaffirmation

BSR/UL 32-2014 (R201x), Standard for Safety for Metal Waste Cans (reaffirmation of ANSI/UL 32-2014)

These requirements cover metal waste cans intended to be employed in factories, garages, workshops, and other locations where there is need for a receptacle for temporary storage inside buildings of oily waste, rags, and other similar combustible waste materials.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Jeff Prusko, (847) 664-3416, jeffrey.prusko@ul.com

UL (Underwriters Laboratories, Inc.)

Revision

BSR/UL 854-201X, Standard for Safety for Service-Entrance Cables (revision of ANSI/UL 854-2014)

(1) Clarification of requirements, revised 20.1, Tables 14.2 and 18.1;

(2) Sunlight resistance requirements, reorganized section 30 and editorial changes to cross-references, revised 1.6, 17.1.1, and 40.8;

(3) Deletion of marker threads, revised 37.3.2 and 47.1; deleted 37.6; (4) Editorial correction to cross-references in 14.1.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Linda Phinney, (510) 319-4297, Linda.L.Phinney@ul.com

BSR/UL 8750-201X, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (Proposal dated 4-19-19) (revision of ANSI/UL 8750-201X)

(1) Required spacings for wiring terminals; (2) New supplement for Type IC LED Drivers; (3) Special-use LED arrays; (4) LVLE circuits; (5) Temperature-coded LED arrays; (6) Grounding and bonding; (7) Class 2 circuits; (8) Output loading - Output short circuit; (9) Markings and product specification sheet; (10) Supplement SG - Temperature value at TC point.

Single copy price: Free

Obtain an electronic copy from: <http://www.shopulstandards.com>

Send comments (with copy to psa@ansi.org) to: Ross Wilson, (919) 549-1511, Ross.Wilson@ul.com

Comment Deadline: June 18, 2019

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

ANS (American Nuclear Society)

New Standard

BSR/ANS 57.11-201x, Integrated Safety Assessments for Nonreactor Nuclear Facilities (new standard)

This standard provides the process used to develop safety assessments consistent with 10 CFR Part 70 to identify credible accident sequences that can lead to "high" or "intermediate" consequences. The assessments evaluate radiological, nuclear criticality, chemical, and fire hazards. The ISA developed will specify safety controls to prevent or mitigate those potential accidents. It may also be used to assess the likelihood that facilities would meet performance requirements and management measures a facility operator will rely on to ensure that safety controls are available to perform their function.

Single copy price: \$25.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

Send comments (with copy to psa@ansi.org) to: pschroeder@ans.org

ASME (American Society of Mechanical Engineers)

Reaffirmation

BSR/ASME B5.60-2014 (R201x), Workholding Chucks: Jaw Type Chucks (reaffirmation of ANSI/ASME B5.60-2014)

This Standard establishes technical requirements for workholding chucks used primarily in turning operations.

Single copy price: \$47.00

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

UL (Underwriters Laboratories, Inc.)

New Standard

BSR/UL 2218A-201x, Standard for Safety for Impact Resistance of Roofing Systems (new standard)

This test method provides impact resistance data for the evaluation of low slope roofing systems. For purposes of this standard, roofing systems consist of various component materials installed on combustible or noncombustible decking. The test evaluates the effect of impact from the steel ball at locations on the assembly selected to be most vulnerable, such as (but not limited to) edges, corners, unsupported sections and joints. This test method does not evaluate the effect of weathering, temperature, aging, or similar effects on the impact resistance of roofing system components. These and other factors, including time, roof slope, roof system configuration, and application influence the performance of roofing materials in the field. It is not the objective of this test to address all of these factors.

Single copy price: Free

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

Order from: <https://www.shopulstandards.com/>

Send comments (with copy to psa@ansi.org) to: Griff Edwards, (919) 549-0956, griff.edwards@ul.com

Projects Withdrawn from Consideration

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 5361-201x, Anaesthetic and respiratory equipment - Tracheal tubes and connectors (revision and redesignation of ANSI/ISO 5361-2014)

Inquiries may be directed to Colleen Elliott, (703) 253-8261, celliott@aami.org

BSR/AAMI/ISO 14408-201x, Tracheal tubes designed for laser surgery -- Requirements for marking and accompanying information (revision and redesignation of ANSI/ASTM/ISO 14408-2009)

Inquiries may be directed to Colleen Elliott, (703) 253-8261, celliott@aami.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/IEC 80601-2-35-2011, Medical electric equipment - Part 2-35: Particular requirements for basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/IEC 80601-2-35/A1-2016, Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses intended for heating in medical use, Amendment 1

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 4135-2009, Anaesthetic and respiratory equipment - Vocabulary

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 5359-2015, Anaesthetic and respiratory equipment - Low-pressure hose assemblies for use with medical gases

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 5361-2014, Anaesthetic and respiratory equipment - Tracheal tubes and connectors

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 5362-2014, Anaesthetic reservoir bags

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 5367-2015, Anaesthetic and respiratory equipment - Breathing sets and connectors

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 8836-2015, Suction catheters for use in the respiratory tract

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 10079-1-2003 (R2014), Medical suction equipment - Part 1: Electrically powered suction equipment - Safety requirements

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 10079-2-2002 (R2014), Medical suction equipment - Part 2: Manually powered suction equipment

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 10079-3-2002 (R2014), Medical suction equipment - Part 3: Suction equipment powered from a vacuum or pressure source

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 10651-4-2002 (R2014), Lung ventilators - Part 4: Particular requirements for operator-powered resuscitators

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 10651-5-2006 (R2014), Lung ventilators for medical use - Particular requirements for basic safety and essential performance - Part 5: Gas-powered emergency resuscitators

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 11195-2009, Gas mixers for medical use - Stand-alone gas mixers

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 14408-2009, Tracheal tubes designed for laser surgery - Requirements for marking and accompanying information

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ANSI/AAMI/ISO 80601-2-13-2014, Medical electric equipment - Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation

Questions may be directed to: Colleen Elliott, (703) 253-8261, celliott@aami.org

ECIA (Electronic Components Industry Association)

ANSI/EIA 964-2016, Specification for QSFP+ 10 Gb/s Pluggable Transceiver

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 965-2012, Specification for Mini Multilane 12 GBs 12X Shielded Connector

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 966-2012, Specification for Serial Attachment 3 GBs 2X Unshielded Connector

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 967-2012, Specification for Micro Serial Attachment 3 GBs 4X Unshielded Connector

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 974-2015, Specification for Mini Multilane 10 Gb/s 4X Common Elements Connectors

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 975-2015, Specification for Mini Multilane 10 Gb/s 4X Unshielded Receptacle Shell and Plug

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.org

ANSI/EIA 976-2015, Specification for Mini Multilane 10 Gb/s 4X Shielded Receptacle Shell and Plug

Questions may be directed to: Laura Donohoe, (571) 323-0294, ldonohoe@ecianow.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)

Office: 901 N. Glebe Road, Suite 300
Arlington, VA 22203

Contact: Jennifer Moyer

Phone: (703) 253-8274

E-mail: jmoyer@aami.org

BSR/AAMI/IEC 60601-1-12-201x/Amd 1, Medical electrical equipment
- Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (addenda to ANSI/AAMI/IEC 60601-1-12-2016)

AGMA (American Gear Manufacturers Association)

Office: 1001 N Fairfax Street, 5th Floor
Alexandria, VA 22314-1587

Contact: Amir Aboutaleb

Phone: (703) 684-0211

E-mail: tech@agma.org

BSR/AGMA 6022-DXX-201x, Design Manual for Cylindrical Wormgearing (new standard)

ASME (American Society of Mechanical Engineers)

Office: Two Park Avenue
New York, NY 10016-5990

Contact: Mayra Santiago

Phone: (212) 591-8521

E-mail: ansibox@asme.org

BSR/ASME MFC-22-201x, Measurement of Liquid by Turbine Flowmeters (revision of ANSI/ASME MFC-22-2007 (2014))

NSF (NSF International)

Office: 789 N. Dixboro Road
Ann Arbor, MI 48105-9723

Contact: Jason Snider

Phone: (734) 418-6660

E-mail: jsnider@nsf.org

BSR/NSF 40-201x (i32r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

BSR/NSF 40-201x (i34r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)

BSR/NSF 245-2018 (i6r1) (R201x), Residential Wastewater Treatment Systems - Nitrogen Reduction (reaffirmation of ANSI/NSF 245-2018)

BSR/NSF/CAN 600-201x (i4r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision and redesignation of ANSI/NSF 600-2018)

UL (Underwriters Laboratories, Inc.)

Office: 47173 Benicia Street
Fremont, CA 94538

Contact: Paul Lloret

Phone: (510) 319-4269

E-mail: Paul.E.Lloret@ul.com

BSR/UL 521-201x, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems (revision of ANSI/UL 521-2010 (R2015))

BSR/UL 2218A-201x, Standard for Safety for Impact Resistance of Roofing Systems (new standard)

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.

APTech (ASC CGATS) (Association for Print Technologies)

New Standard

ANSI IT8.7/5-2019, Graphic technology - Input data for characterization of 4-color process printing - Extended data set (new standard): 4/12/2019

ASA (ASC S3) (Acoustical Society of America)

Reaffirmation

ANSI/ASA S3.21-2004 (R2019), Methods for Manual Pure-Tone Threshold Audiometry (reaffirmation of ANSI/ASA S3.21-2004 (R2009)): 4/12/2019

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

Revision

ANSI/ASSP A10.23-2019, Safety Requirements for the Installation of Drilled Shafts (revision and redesignation of ANSI/ASSE A10.23-2014): 4/12/2019

ASTM (ASTM International)

Revision

ANSI/ASTM E84-2019, Test Method for Surface Burning Characteristics of Building Materials (revision of ANSI/ASTM E84-2016): 4/15/2019

ANSI/ASTM E1317-2019, Test Method for Flammability of Marine Surface Finishes (revision of ANSI/ASTM E1317-2012): 4/15/2019

AWS (American Welding Society)

Revision

ANSI/AWS F2.3M-2019, Specification for Use and Performance of Transparent Welding Curtains and Screens (revision of ANSI/AWS F2.3M-2011): 4/10/2019

AWWA (American Water Works Association)

Revision

ANSI/AWWA B703-2019, Fluorosilicic Acid (revision, redesignation and consolidation of ANSI/AWWA B703-2011, ANSI/AWWA B703a-2013): 4/10/2019

CSA (CSA America Standards Inc.)

Revision

ANSI Z21.50-2019, Vented decorative gas appliances (same as CSA 2.22) (revision of ANSI Z21.50-2016): 4/10/2019

IIAR (International Institute of Ammonia Refrigeration)

New Standard

ANSI/IIAR 6-2019, Standard for Inspection, Testing, and Maintenance of Closed-Circuit Ammonia Refrigeration Systems (new standard): 4/16/2019

Revision

ANSI/IIAR 7-2019, Developing Operating Procedures for Closed-Circuit Ammonia Refrigeration Systems (revision of ANSI/IIAR 7-2013): 4/16/2019

NEMA (ASC C136) (National Electrical Manufacturers Association)

Reaffirmation

ANSI C136.21-2014 (R2019), Standard for Roadway Lighting Equipment - Vertical Tonnons Used with Post-Top Mounted Luminaires (reaffirmation of ANSI C136.21-2014): 4/10/2019

NSF (NSF International)

Revision

ANSI/BIFMA e3-2019 (i23r2), Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014): 4/3/2019

ANSI/NSF 170-2019 (i26r1), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2017): 4/14/2019

SCTE (Society of Cable Telecommunications Engineers)

New Standard

ANSI/SCTE 250-2019, Real-Time Event Signaling and Management API (new standard): 4/10/2019

ANSI/SCTE 254-2019, Content Encoding Profiles 3.0 Specification (Closed Specification) (new standard): 4/10/2019

Revision

ANSI/SCTE 118-1-2019, Program-Specific Ad Insertion - Data Field Definitions, Functional Overview and Application Guidelines (revision of ANSI/SCTE 118-1-2012): 4/10/2019

ANSI/SCTE 118-2-2019, Program-Specific Ad Insertion - Content Provider to Traffic Communication Applications Data Model (revision of ANSI/SCTE 118-2-2012): 4/10/2019

ANSI/SCTE 118-3-2019, Program-Specific Ad Insertion - Traffic System to Ad Insertion System File Format Specification (revision of ANSI/SCTE 118-3-2012): 4/10/2019

TIA (Telecommunications Industry Association)

Revision

ANSI/TIA 102.AABC-E-2019, Trunking Control Channel Messages (revision and redesignation of ANSI/TIA 102.AABC-D-2015): 4/16/2019

ANSI/TIA 102.BAED-A-2019, Packet Data Logical Link Control Procedures (revision and redesignation of ANSI/TIA 102.BAED-2013): 4/12/2019

UL (Underwriters Laboratories, Inc.)

New National Adoption

ANSI/UL 62841-3-12-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-12 Particular Requirements for Transportable Threading Machines (identical national adoption of IEC 62841-3-12): 4/5/2019

ANSI/UL 62841-3-14-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-14 Particular Requirements for Transportable Drain Cleaners (identical national adoption of IEC 62841-3-14): 4/5/2019

Reaffirmation

ANSI/UL 248-2-2005 (R2019), Standard for Safety for Low-Voltage Fuses - Part 2: Class C Fuses (reaffirmation of ANSI/UL 248-2-2005 (R2014)): 4/11/2019

ANSI/UL 248-3-2005 (R2019), Standard for Safety for Low-Voltage Fuses - Part 3: Class CA and CB Fuses (reaffirmation of ANSI/UL 248-3-2005 (R2014)): 4/11/2019

ANSI/UL 248-4-2005 (R2019), Standard for Safety for Low-Voltage Fuses - Part 4: Class CC Fuses (reaffirmation of ANSI/UL 248-4-2005 (R2014)): 4/11/2019

ANSI/UL 60745-2-12-2008 (R2019), Standard for Safety for Standard for Hand-Held Motor-Operated Electric Tools - Safety - Part 2: Particular Requirements for Concrete Vibrators (reaffirmation of ANSI/UL 60745-2-12-2008 (R2013)): 4/9/2019

Revision

ANSI/UL 746B-2019, Standard for Safety for Polymeric Materials - Long Term Property Evaluations (revision of ANSI/UL 746B-2018): 4/12/2019

ANSI/UL 827-2019, Standard for Safety for Central Station Alarm Services (revision of ANSI/UL 827-2018): 4/11/2019

ANSI/UL 827-2019a, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2018): 4/11/2019

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 113-201x, Standard for Identification Criteria in Forensic Toxicology (new standard)

Stakeholders: The forensic toxicology community, law enforcement, attorneys, and courts.

Project Need: There is no current document that sets the minimum criteria for the identification of an analyte during forensic toxicology testing. This document will provide guidance on meeting the minimum requirements for identifying an analyte during forensic toxicology testing.

This document sets minimum criteria, based on a point system, for the identification of an analyte during forensic toxicology testing. The document provides a mechanism for laboratories to evaluate each analytical technique to determine if their testing regimen is sufficient to meet or exceed the minimum points required for identification. This document does not address identification of low-molecular-weight analytes (e.g., ethanol, carbon monoxide, cyanide) or metals.

AAMI (Association for the Advancement of Medical Instrumentation)

Contact: Jennifer Moyer, (703) 253-8274, jmoyer@aami.org
901 N. Glebe Road, Suite 300, Arlington, VA 22203

Addenda

BSR/AAMI/IEC 60601-1-12-201x/Amd 1, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (addenda to ANSI/AAMI/IEC 60601-1-12-2016)

Stakeholders: Manufacturers, regulatory bodies.

Project Need: Aligns this document with the documents that are under revision in IEC/SC 62A.

This administrative amendment updates dated references to documents that are under revision.

ASME (American Society of Mechanical Engineers)

Contact: Mayra Santiago, (212) 591-8521, ansibox@asme.org
Two Park Avenue, New York, NY 10016-5990

Revision

BSR/ASME MFC-22-201x, Measurement of Liquid by Turbine Flowmeters (revision of ANSI/ASME MFC-22-2007 (2014))

Stakeholders: Engineers, operators, designers, distributors, general interest, laboratory, owners, producers/manufacturers, regulatory/government, consultants, and users.

Project Need: This standard is being revised in order to reflect the current state-of-the-art of liquid turbine meters for optimized performance, improved calibration methods, and an updated assessment of uncertainties.

This Standard describes the criteria for the application of a turbine flowmeter with a rotating blade for the measurement of liquid flows through closed conduit running full. The standard discusses the following:

- (a) considerations regarding the liquids to be measured;
- (b) turbine flowmeter system;
- (c) installation requirements;
- (d) design specifications;
- (e) maintenance, operation, and performance; and
- (f) measurement uncertainties.

ASTM (ASTM International)

Contact: *Laura Klineburger, (610) 832-9696, accreditation@astm.org*
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

New Standard

BSR/ASTM WK67734-201x, New Specification for Specification for SS Press Sleeves for Use with PEX and PE-RT (new standard)

Stakeholders: Fittings industry.

Project Need: Material quality is important for fittings to be able to perform as intended. This specification provides for minimum qualifications that must be met as it applies to plumbing applications.

This is a specification for stainless steel pressed sleeve fittings for use with PEX tubing.

MHI (ASC MHC) (Material Handling Industry)

Contact: *Patrick Davison, (704) 714-8755, pdavison@mhi.org*
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217

Revision

BSR MH10.8.2-201X, Data Identifiers for Automatic Identification and Data Capture Applications (revision of ANSI MH10.8.2-2016)

Stakeholders: Manufacturers and users of automatic identification and data capture (AIDC) technologies. DIs are commonly used by the automotive, pharmaceutical, telecommunications, consumer electronics, and defense industries, among others.

Project Need: This American National Standard is being updated to remove the "mapping" of Application Identifiers maintained by GS1 to the Data Identifiers set forth in this standard. The maintenance committee has determined that the mapping is difficult to maintain, often incomplete or inaccurate, and is not needed by industry professionals.

This standard provides a means by which new Data Identifiers are assigned and a comprehensive summary of assigned Data Identifiers. A Data Identifier (DI) is a specified character or string of characters that defines the general category or intended use of the data that follows. The DIs set forth in this standard use a syntax consisting of one alphanumeric character alone, or one alphabetic character prefixed by one, two, or three numeric characters.

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.

<p>AAFS American Academy of Forensic Sciences 410 North 21st Street Colorado Springs, CO 80904 Phone: (719) 453-1036 Web: www.aafs.org</p>	<p>ASA (ASC S3) Acoustical Society of America 1305 Walt Whitman Road Suite 300 Melville, NY 11747 Phone: (631) 390-0215 Web: www.acousticalsociety.org</p>	<p>ATIS Alliance for Telecommunications Industry Solutions 1200 G Street NW Suite 500 Washington, DC 20005 Phone: (202) 628-6380 Web: www.atis.org</p>	<p>NEMA (ASC C136) National Electrical Manufacturers Association 1300 North 17th Street Suite 900 Rosslyn, VA 22209 Phone: (703) 841-3234 Web: www.nema.org</p>
<p>AAMI Association for the Advancement of Medical Instrumentation 901 N. Glebe Road, Suite 300 Arlington, VA 22203 Phone: (703) 253-8274 Web: www.aami.org</p>	<p>ASABE American Society of Agricultural and Biological Engineers 2950 Niles Road Saint Joseph, MI 49085 Phone: (269) 932-7015 Web: www.asabe.org</p>	<p>AWS American Welding Society 8669 NW 36 Street, #130 Miami, FL 33166 Phone: (305) 443-9353 Web: www.aws.org</p>	<p>NSF NSF International 789 N. Dixboro Road Ann Arbor, MI 48105-9723 Phone: (734) 418-6660 Web: www.nsf.org</p>
<p>ABYC American Boat and Yacht Council 613 Third Street Suite 10 Annapolis, MD 21403 Phone: (410) 990-4460 Web: www.abycinc.org</p>	<p>ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle, NE Atlanta, GA 30329 Phone: (404) 636-8400 Web: www.ashrae.org</p>	<p>AWWA American Water Works Association 6666 W. Quincy Ave. Denver, CO 80235 Phone: (303) 347-6178 Web: www.awwa.org</p>	<p>SCTE Society of Cable Telecommunications Engineers 140 Philips Rd Exton, PA 19341 Phone: (800) 542-5040 Web: www.scte.org</p>
<p>AGMA American Gear Manufacturers Association 1001 N Fairfax Street, 5th Floor Alexandria, VA 22314-1587 Phone: (703) 684-0211 Web: www.agma.org</p>	<p>ASME American Society of Mechanical Engineers Two Park Avenue New York, NY 10016-5990 Phone: (212) 591-8521 Web: www.asme.org</p>	<p>CSA CSA America Standards Inc. 8501 E. Pleasant Valley Road Cleveland, OH 44131 Phone: (216) 524-4990 Web: www.csagroup.org</p>	<p>SPRI Single Ply Roofing Industry 465 Waverley Oaks Road Suite 421 Waltham, MA 02452 Phone: (781) 647-7026 Web: www.spri.org</p>
<p>ANS American Nuclear Society 555 North Kensington Avenue La Grange Park, IL 60526 Phone: (708) 579-8268 Web: www.ans.org</p>	<p>ASSP (ASC A10) American Society of Safety Professionals 520 N. Northwest Hwy. Park Ridge, IL 60068 Phone: (847) 768-3475 Web: www.assp.org</p>	<p>IAR International Institute of Ammonia Refrigeration 1001 North Fairfax Street Alexandria, VA 22314 Phone: (703) 312-4200 Web: www.iar.org</p>	<p>TIA Telecommunications Industry Association 1320 North Courthouse Road Suite 200 Arlington, VA 22201 Phone: (703) 907-7706 Web: www.tiaonline.org</p>
<p>APTech (ASC CGATS) Association for Print Technologies 1899 Preston White Drive Reston, VA 20191 Phone: (703) 264-7200 Web: www.printtechnologies.org</p>	<p>ASTM ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428-2959 Phone: (610) 832-9696 Web: www.astm.org</p>	<p>MHI (ASC MHC) Material Handling Industry 8720 Red Oak Boulevard Suite 201 Charlotte, NC 28217 Phone: (704) 714-8755 Web: www.mhi.org</p>	<p>UL Underwriters Laboratories, Inc. 12 Laboratory Drive Research Triangle Park, NC 27709-3995 Phone: (919) 549-0956 Web: www.ul.com</p>



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 IEC 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/DIS 11691, Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method - 5/4/2019, \$53.00

ANAESTHETIC AND RESPIRATORY EQUIPMENT (TC 121)

IEC 60601-1-10/DAMd2, Amendment 2 - Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers, \$58.00

IEC 60601-1-11/DAMd1, Amendment 1 - Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment, \$53.00

IEC 60601-1-12/DAMd1, Amendment 1 - Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment, \$40.00

ERGONOMICS (TC 159)

ISO/DIS 24552, Ergonomics - Accessible design - Accessibility of information presented on visual displays of small consumer products - 7/1/2019, \$46.00

GEOSYNTHETICS (TC 221)

ISO 9863-1/DAMd1, Geosynthetics - Determination of thickness at specified pressures - Part 1: Single layers - Amendment 1 - 5/2/2019, \$29.00

GRAPHICAL SYMBOLS (TC 145)

ISO 7001/DAMd107, Graphical symbols - Public information symbols - Amendment 107: PI CF 022: Laundry service - 5/4/2019, \$29.00

ISO 7001/DAMd108, Graphical symbols - Public information symbols - Amendment 108: PI PF 082: Recycling - Plastics - 5/4/2019, \$29.00

ISO 7001/DAMd109, Graphical symbols - Public information symbols - Amendment 109: PI TF 044 Electric vehicle charging station - 5/4/2019, \$29.00

INFORMATION AND DOCUMENTATION (TC 46)

ISO/DIS 21246, Information and documentation - Key indicators for museums - 5/5/2019, \$134.00

INNOVATION MANAGEMENT (TC 279)

ISO/DIS 56000, Innovation management - Fundamentals and vocabulary - 5/5/2019, \$98.00

MACHINE TOOLS (TC 39)

ISO/DIS 14955-5, Machine tools - Environmental evaluation of machine tools - Part 5: Principles for testing woodworking machine tools with respect to energy supplied - 5/6/2019, \$93.00

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

ISO/DIS 21857, Petroleum, petrochemical and natural gas industries - Prevention of corrosion on pipeline systems influenced by stray currents - 6/30/2019, \$134.00

NUCLEAR ENERGY (TC 85)

ISO/DIS 12749-1, Nuclear energy - Vocabulary - Part 1: General terminology - 7/6/2019, \$82.00

ISO/ASTM DIS 52628, Standard practice for dosimetry in radiation processing - 7/6/2019, \$67.00

PAPER, BOARD AND PULPS (TC 6)

ISO/DIS 8784-3, Pulp, paper and board - Microbiological examination - Part 3: Enumeration of yeast and mould based on disintegration - 5/2/2019, \$53.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

ISO/DIS 16073-9, Wildland firefighting personal protective equipment - Requirements and test methods - Part 9: Firehoods - 5/6/2019, \$53.00

PLASTICS PIPES, FITTINGS AND VALVES FOR THE TRANSPORT OF FLUIDS (TC 138)

ISO/DIS 8521, Glass-reinforced thermosetting plastic (GRP) pipes - Test methods for the determination of the initial circumferential tensile wall strength - 7/1/2019, \$71.00

ISO/DIS 8659, Thermoplastics valves - Fatigue strength - Test method - 5/6/2019, \$40.00

ISO/DIS 11298-4, Plastics piping systems for renovation of underground water supply networks - Part 4: Lining with cured-in-place pipes - 7/6/2019, \$107.00

ROAD VEHICLES (TC 22)

ISO/DIS 15007, Road vehicles - Measurement and analysis of driver visual behaviour with respect to transport information and control systems - 5/2/2019, \$119.00

ISO/DIS 17409, Electrically propelled road vehicles - Conductive power transfer - Safety requirements - 5/3/2019, \$112.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 6805, Rubber hoses and hose assemblies for underground mining - Wire-reinforced hydraulic types for coal mining - Specification - 5/6/2019, \$33.00

SAFETY OF TOYS (TC 181)

ISO 8124-1/DAMd1, Safety of toys - Part 1: Safety aspects related to mechanical and physical properties - Amendment 1: Flying toys - 5/4/2019, \$40.00

STERILIZATION OF HEALTH CARE PRODUCTS (TC 198)

ISO 11737-1/DAMd1, Sterilization of health care products - Microbiological methods - Part 1: Determination of a population of microorganisms on products - Amendment 1 - 7/1/2019, \$29.00

ISO/DIS 15883-5, Washer disinfectors - Part 5: Performance requirements and test method criteria for demonstrating cleaning efficacy - 7/4/2019, \$112.00

TECHNICAL SYSTEMS AND AIDS FOR DISABLED OR HANDICAPPED PERSONS (TC 173)

ISO/DIS 7176-19, Wheelchairs - Part 19: Wheelchairs for use as seats in motor vehicles - 5/6/2019, \$155.00

WATER QUALITY (TC 147)

ISO/DIS 10872, Water and soil quality - Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) - 5/4/2019, \$82.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 23643, Software and systems engineering - Capabilities of software safety and security verification tools - 5/3/2019, \$98.00

ISO/IEC DIS 7816-4, Identification cards - Integrated circuit cards - Part 4: Organization, security and commands for interchange - 7/1/2019, \$185.00

ISO/IEC DIS 21122-4, Information technology - Low-latency lightweight image coding system - Part 4: Conformance testing - 5/4/2019, \$71.00

IEC Standards

CABPUB/173/NP, New Proposal, ISO/IEC NP 17030, Conformity assessment - General requirements for third-party marks of conformity, 019/7/5/

9/2502/FDIS, IEC 62590 ED2: Railway applications - Fixed installations - Electronic power converters for substations, 2019/5/24

14/1002/CDV, IEC 60076-22-7 ED1: Power transformers - Part 22-7: Power transformer and reactor fittings - Accessories and fittings, 019/7/5/

17/1052/NP, PNW TS 17-1052: High-voltage switchgear and controlgear - Part 5: Common specifications for direct current switchgear, 2019/5/10

17A/1223/NP, PNW TS 17A-1223: High-voltage switchgear and controlgear - Part 313: Direct current disconnectors and earthing switches, 2019/5/10

21/1002A/DC, Lead acid batteries for railway application, 2019/5/24

23H/446/CD, IEC 62196-3 ED2: Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility and interchangeability requirements for DC and AC/DC pin and contact-tube vehicle couplers, 019/6/7/

36/452/CD, IEC 60120 ED4: Dimensions of ball and socket couplings of string insulator units, 019/7/5/

36/453/CD, IEC 60372 ED4: Locking devices for ball and socket couplings of string insulator units - Dimensions and tests, 019/7/5/

36/454/CD, IEC 60471 ED3: Dimensions of clevis and tongue couplings of string insulator units, 019/7/5/

45A/1267/FDIS, IEC/IEEE 62582-6 ED1: Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 6: Insulation resistance, 2019/5/24

46F/454/CDV, IEC 61169-1-4 ED1: Radio-frequency connectors - Part 1-4: Electrical test methods- voltage standing wave ratio, return loss and reflection coefficient, 019/7/5/

48B/2732/CD, IEC 61076-3-122 ED2: Connectors for electrical and electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments, 019/7/5/

48B/2733/CD, IEC 63171-5 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 5: Detail specification for circular connectors with up to 8 ways, shielded or unshielded, free and fixed connectors: mechanical mating information, pin assignment and additional requirements for type 5, 019/7/5/

65C/962/CD, IEC 61784-3 ED4: Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions, 019/7/5/

65C/963/CD, IEC 61784-3-X ED4: Industrial communication networks - Profiles - Part 3-X: Functional safety fieldbuses - Additional specifications for CPF X, 019/7/5/

69/649/DTS, IEC TS 61851-3-2 ED1: Electric Vehicles conductive power supply system - Part 3-2: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Voltage converter unit, 019/7/5/

69/651/DTS, IEC TS 61851-3-5 ED1: Electric Vehicles conductive power supply system - Part 3-5: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Pre-defined communication parameters and general application objects, 019/7/5/

69/652/DTS, IEC TS 61851-3-6 ED1: Electric Vehicles conductive power supply system - Part 3-6: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Voltage converter and communication, 019/7/5/

69/648/DTS, IEC TS 61851-3-1 ED1: Electric Vehicles conductive power supply system - Part 3-1: General Requirements for EV supply equipment where protection relies on double or reinforced insulation - AC and DC conductive power supply systems, 019/7/5/

69/650/DTS, IEC TS 61851-3-4 ED1: Electric Vehicles conductive power supply system - Part 3-4: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - General definitions and requirements for CANopen communications, 019/7/5/

- 69/653/DTS, IEC TS 61851-3-7 ED1: Electric Vehicles conductive power supply system - Part 3-7: Particular requirements for EV supply equipment where protection relies on double or reinforced insulation - Battery system communication, 019/7/5/
- 80/922/CDV, IEC 61108-5 ED1: Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 5: BeiDou navigation satellite system (BDS) - Receiver equipment - Performance requirements, methods of testing and required test results, 019/7/5/
- 81/621/CD, IEC 62793 ED2: Protection against lightning - Thunderstorm warning systems, 019/7/5/
- 86A/1931/CDV, IEC 60794-2-50 ED2: Optical fibre cables - Part 2-50: Indoor optical fibre cables - Family specification for simplex and duplex cables for use in terminated cable assemblies, 019/7/5/
- 86B/4197/CD, IEC 61753-085-2 ED2: Fibre optic interconnecting devices and passive components performance standard - Part 085-2: Non-connectorized single-mode pigtailed CWDM devices for category C - Controlled environment, 019/7/5/
- 104/834/DTR, IEC TR 63141 ED1: Damp heat, steady state (unsaturated pressurized vapour with air), 019/6/7/
- 104/833/FDIS, IEC 60068-2-85 ED1: Environmental testing - Part 2-85: Tests - Test Fj: Vibration - Long time history replication, 2019/5/24
- 105/731/CD, IEC TS 62282-9-101 ED1: Fuel cell technologies - Part 9-101: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking - Streamlined life-cycle considered environmental performance characterization of stationary fuel cell power systems for residential applications, 019/7/5/
- 105/732/CD, IEC TS 62282-9-102 ED1: Fuel cell technologies - Part 9-102: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking - Product category rules for environmental product declarations of stationary fuel cell power systems and alternative systems for residential applications, 019/7/5/
- 107/353/FDIS, IEC 62668-2 ED1: Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources, 2019/5/24
- 116/408/NP, PNW 116-408: Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-4: Particular requirements for lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters and brush saws, 019/7/5/
- 119/255/CDV, IEC 62899-505 ED1: Printed electronics - Part 505: Quality assessment - Flexible gas sensor: Mechanical and thermal testing, 019/7/5/



Newly Published ISO & IEC Standards

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

ISO Standards

ISO/IEC JTC 1 Technical Reports

[ISO/IEC TR 11179-2:2019](#), Information technology - Metadata registries (MDR) - Part 2: Classification, \$68.00

BANKING AND RELATED FINANCIAL SERVICES (TC 68)

[ISO 17442:2019](#), Financial services - Legal entity identifier (LEI), \$45.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 20170:2019](#), Geometrical product specifications (GPS) - Decomposition of geometrical characteristics for manufacturing control, \$138.00

MACHINE TOOLS (TC 39)

[ISO 19085-9:2019](#), Woodworking machines - Safety - Part 9: Circular saw benches (with and without sliding table), \$185.00

OTHER

[IWA 32:2019](#), Screening of genetically modified organisms (GMOs) in cotton and textiles, \$162.00

PAINTS AND VARNISHES (TC 35)

[ISO 23168:2019](#), Paints and varnishes - Determination of water content - Gas-chromatographic method, \$68.00

PERSONAL SAFETY - PROTECTIVE CLOTHING AND EQUIPMENT (TC 94)

[ISO 18889:2019](#), Protective gloves for pesticide operators and re-entry workers - Performance requirements, \$68.00

PLAIN BEARINGS (TC 123)

[ISO 7905-3:2019](#), Plain bearings - Bearing fatigue - Part 3: Test on plain strips of a metallic multilayer bearing material, \$45.00

PLASTICS (TC 61)

[ISO 6721-8:2019](#), Plastics - Determination of dynamic mechanical properties - Part 8: Longitudinal and shear vibration - Wave-propagation method, \$68.00

[ISO 6721-9:2019](#), Plastics - Determination of dynamic mechanical properties - Part 9: Tensile vibration - Sonic-pulse propagation method, \$68.00

ROBOTS AND ROBOTIC DEVICES (TC 299)

[ISO 18646-2:2019](#), Robotics - Performance criteria and related test methods for service robots - Part 2: Navigation, \$103.00

SMALL CRAFT (TC 188)

[ISO 11592-2:2019](#), Small craft - Determination of maximum propulsion power rating using manoeuvring speed - Part 2: Craft with a length of hull between 8 m and 24 m, \$68.00

TERMINOLOGY (PRINCIPLES AND COORDINATION) (TC 37)

[ISO 20228:2019](#), Interpreting services - Legal interpreting - Requirements, \$138.00

TEXTILES (TC 38)

[ISO 1833-3:2019](#), Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate with certain other fibres (method using acetone), \$45.00

[ISO 1833-10:2019](#), Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide with certain other fibres (method using dichloromethane), \$45.00

[ISO 1833-18:2019](#), Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid), \$45.00

[ISO 1833-21:2019](#), Textiles - Quantitative chemical analysis - Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates with certain other fibres (method using cyclohexanone), \$45.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 6489-5:2019](#), Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 5: Specifications for non-swivel clevis couplings, \$45.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 17438-4:2019](#), Intelligent transport systems - Indoor navigation for personal and vehicle ITS station - Part 4: Requirements and specifications for interface between personal/vehicle and central ITS stations, \$209.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 14174:2019](#), Welding consumables - Fluxes for submerged arc welding and electroslag welding - Classification, \$103.00

[ISO 24598:2019](#), Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels - Classification, \$103.00

ISO Technical Specifications

QUALITY MANAGEMENT AND QUALITY ASSURANCE (TC 176)

[ISO/TS 54001:2019](#), Quality management systems - Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government, \$209.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 19788-7:2019](#), Information technology - Learning, education and training - Metadata for learning resources - Part 7: Bindings, \$232.00

IEC Standards

FIBRE OPTICS (TC 86)

[IEC 60794-2-11 Ed. 3.0 b:2019](#), Optical fibre cables - Part 2-11: Indoor cables - Detailed specification for simplex and duplex cables for use in premises cabling, \$23.00

[IEC 60794-2-21 Ed. 3.0 b:2019](#), Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling, \$23.00

[IEC 60794-2-31 Ed. 3.0 b:2019](#), Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling, \$23.00

[S+ IEC 60794-2-11 Ed. 3.0 en:2019 \(Redline version\)](#), Optical fibre cables - Part 2-11: Indoor cables - Detailed specification for simplex and duplex cables for use in premises cabling, \$31.00

[S+ IEC 60794-2-21 Ed. 3.0 en:2019 \(Redline version\)](#), Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling, \$31.00

[S+ IEC 60794-2-31 Ed. 3.0 en:2019 \(Redline version\)](#), Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling, \$31.00

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES (TC 61)

[IEC 60335-2-11 Ed. 8.0 b:2019](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$235.00

[IEC 60335-2-51 Ed. 4.0 b:2019](#), Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, \$82.00

[S+ IEC 60335-2-11 Ed. 8.0 en:2019 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers, \$305.00

[S+ IEC 60335-2-51 Ed. 4.0 en:2019 \(Redline version\)](#), Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations, \$107.00

SAFETY OF MEASURING, CONTROL, AND LABORATORY EQUIPMENT (TC 66)

[IEC 61010-2-012 Ed. 2.0 b:2019](#), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment, \$352.00

[S+ IEC 61010-2-012 Ed. 2.0 en:2019 \(Redline version\)](#), Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment, \$457.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.

The following is a list of alphanumeric organization names that have been submitted to ANSI for registration. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

PUBLIC REVIEW

BDAP

Public Review: March 29, 2019 to June 29, 2019

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, 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.

ANSI Accredited Standards Developers

Application for Accreditation

InGenesis, Inc.

Comment Deadline: May 20, 2019

InGenesis, Inc., a new ANSI member, has submitted an application for accreditation as an ANSI Accredited Standards Developer (ASD) and proposed operating procedures for documenting consensus on InGenesis-sponsored American National Standards. InGenesis' proposed scope of standards activity is as follows:

Standardization in the field of healthcare administration will include classification, terminology and nomenclature, management practices and metrics that comprise the "business" operations among healthcare entities. Covered subjects would include healthcare supply chain, capital (financial) management, patient admission and discharge approaches, human resource management specific to healthcare management, facilities management specific to healthcare facilities", and all other non-clinical organizational support functions. These practices and metrics will be limited to staff and operational management of healthcare entities. For the purposes of this committee's work, this proposal identifies healthcare entities as those organizations "whose principal operations consist of agreeing to provide health care services and entities whose primary activities are the planning, organization, and oversight of such entities, such as parent or holding companies of healthcare providers.

To obtain a copy of InGenesis' application and proposed operating procedures or to offer comments, please contact: Dr. Veronica Muzquiz Edwards, CEO, InGenesis, Inc., 10231 Kotzebue Street, San Antonio, TX 78217; phone: 210.366.0033, ext. 333; e-mail: vedwards@ingenesis.com. Please submit any comments to InGenesis by May 20, 2019, with a copy to the ExSC Recording Secretary in ANSI's New York Office (e-mail: Jthompso@ANSI.org). As the proposed procedures are available electronically, the public review period is 30 days. You may view or download a copy of InGenesis' proposed operating procedures from ANSI Online during the public review period at the following URL: www.ansi.org/accredPR.

International Organization for Standardization (ISO)

Establishment of a New ISO Subcommittee

ISO/TC 195/SC 3 – Drilling and foundation equipment

A new ISO Subcommittee, ISO/TC 195/SC 3 – Drilling and foundation equipment, has been formed. The Secretariat has been assigned to France (AFNOR).

ISO/TC 195/SC 3 operates under the following scope:

Development of standards in the field of Drilling and foundation equipment within the scope of ISO/TC 195 – Building construction machinery and equipment.

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 304 – Healthcare organization management

InGenesis, Inc. has requested ANSI to delegate the responsibilities of the administration of the ISO/TC 304 secretariat to InGenesis, Inc. The secretariat was previously held by the University of Texas Medical Branch (UTMB) and the secretariat transfer is supported by the U.S. TAG.

ISO/TC 304 operates under the following scope:

Standardization in the field of healthcare organization management including: classification, terminology, nomenclature, management practices and metrics that comprise the non-clinical operations in healthcare entities.

Organizations wishing to comment on the delegation of the responsibilities should contact ANSI's ISO Team

(isot@ansi.org).

ISO Proposal for a New Field of ISO Technical Activity

Human Phenome

Comment Deadline: May 31, 2019

SAC, the ISO member body for China, has submitted to ISO a proposal for a new field of ISO technical activity on Human Phenome, with the following scope statement:

Standardization in the field of human phenome.

Note. Human phenome is defined as the complete set of all human characteristics. It is determined by the interaction between genes and environment. It includes many characteristics ranging from macro- to micro-scales, from external appearance to internal functions, from biochemical characteristics to psychological behavior, etc.

Excluded: the fields covered by ISO/TC276 (Biotechnology), ISO/TC215 (Health Information), ISO/IEC JTC1/SC37 (Biometrics), ISO/IEC JTC 1/SC 29 (Coding of audio, picture, multimedia and hypermedia information) and ISO/TC249 (Traditional Chinese Medicine).

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, May 31, 2019.

Meeting Notices

CSA Group

CSA Group Hydrogen Transportation Technical Committee will meet on June 19, 2019 at 1:00 PM Eastern at The Westin Ottawa, 11 Colonel By Drive, Ottawa, ON, CANADA K1N 9H4.

Guests planning to attend the meeting are required to notify the project manager listed below in advance of the meeting, and provide a brief explanation of interest. If you wish to present specific comments on an item of business is required, you are required to notify the project manager in writing. Notification shall include any material proposed for presentation to the Technical Committee. For more information, please contact Project Manager, Sara Marxen, at sara.marxen@csagroup.org.

Information Concerning

International Organization for Standardization (ISO)

Call for U.S. TAG Administrators TC 59 – Buildings and Civil Engineering Works

There is currently no ANSI-accredited U.S. TAG Administrator for TC 59, TC 59/SC 2, TC 59/SC 14, TC 59/SC 15, TC 59/SC 16, and TC 59/SC 18, and therefore ANSI is not a member of these committees.

The Secretariats for these committees are currently held by Norway (SN) for TC 59; the United Kingdom (BSI) for TC 59/SC 2 and TC59/SC 14; Japan (JISC) for TC 59/SC 15; Spain (UNE) for TC 59/SC 16; and South Africa (SABS) for TC 59/SC 18.

TC 59 operates under the following scope:

Standardization in the field of buildings and civil engineering works, of:

- *general terminology;*
- *organization of information in the processes of design, manufacture and construction;*
- *general geometric requirements for buildings, building elements and components including modular coordination and its basic principles, general rules for joints, tolerances and fits, performance and test standards for sealants;*
- *general rules for other performance requirements, including functional and user requirements related to service life, sustainability, accessibility and usability;*
- *general rules and guidelines for addressing the economic, environmental and social impacts and aspects related to sustainable development;*
- *geometric and performance requirements for components that are not in the scope of separate ISO technical committees;*
- *procurement processes, methods and procedures.*

TC 59/SC 2 operates under the following scope:

Terminology and harmonization of languages

TC 59/SC 14 operates under the following scope:

Design life

TC 59/SC 15 operates under the following scope:

Standardization in the field of buildings, focusing on performance description and requirements, user requirements, and the means to evaluate building and housing solutions, including, but not limited to:

- *Structural safety;*
- *Structural serviceability;*
- *Structural durability;*
- *Fire safety;*
- *Operating energy;*
- *Accessibility and usability;*
- *Sustainability;*

excluding the determination of values required for specific purposes.

TC 59/SC 16 operates under the following scope:

Accessibility and usability of the built environment

TC 59/SC 18 operates under the following scope:

Standardization of the conceptual framework and characteristics for procurement processes, methods and procedures for the construction, renovation, refurbishment, alteration, maintenance and demolition of construction works

including:

- *the flow of information from the business case through to the completion and feedback on the lessons learned;*
- *funding options, selection methods, pricing methods, and contracting methods;*
- *the role of the client in the delivery of projects; and*
- *control frameworks;*

excluding those relating to:

- *conditions of contracts;*
- *methods of measurement associated with a bill of quantities;*
- *project management, and*
- *logistics.*

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

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NSF/ANSI Standard For Wastewater Technology –

Residential wastewater treatment systems

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8 Performance testing and evaluation

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8.2 Testing and evaluation conditions, hydraulic loading, and schedules

8.2.1 Influent wastewater characteristics

The 30 d average BOD₅ concentration of the wastewater delivered to the system shall be between 100 mg/L and 300 mg/L.

The 30 d average TSS concentration of the wastewater delivered to the system shall be between 100 mg/L and 350 mg/L.

When the 30-day average BOD₅ or TSS concentration is less than the required minimum value, individual data days may be excluded to bring the 30-day period within range. When influent data is excluded from the averages, all influent and effluent data from that day shall be excluded from the 7- and 30-day averages. All data exclusions shall be noted in the final report.

The average wastewater alkalinity of the wastewater delivered to the system over the course of the testing shall be greater than 175 mg/L as CaCO₃ (alkalinity may be adjusted if inadequate). Unless requested by the manufacturer, the raw influent shall be supplemented with sodium bicarbonate if the wastewater is found to be deficient in alkalinity.

Tracking #40i34r1 et al
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Multiple revisions for 40i34r1, 245i16r1

Revision to NSF/ANSI 40-2018
Draft 1, Issue 34 (April 2019)

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NSF/ANSI Standard for Wastewater Treatment Systems —

Residential wastewater treatment systems

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5 Design and construction

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5.4 Noise

When installed according to the manufacturer’s instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at 1.2 m (4-ft 47 inches) above the ground surface, 6.00 m (20-ft-236 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

Noise associated with systems designed for indoor operation, measured at 1.2 m (4-ft 47 inches) above the ground surface, 1.0 m (3-ft 39 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

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Rationale: Conversions from metric to English units must result in the same number of significant figures in each number, according to IEEE/ASTM SI 10 American National Standard for Metric Practice. Increasing the significant figures in the metric unit allows for appropriate precision in the English unit to assure the test will be the same no matter what measurement instruments are used.

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NSF/ANSI Standard for Residential Wastewater Treatment Systems –

Nitrogen Reduction

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Tracking #40i34r1 et al
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Multiple revisions for 40i34r1, 245i16r1

Revision to NSF/ANSI 40-2018
Draft 1, Issue 34 (April 2019)

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5 Design and construction

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5.4 Noise

When installed according to the manufacturer's instructions, the system shall not produce excessive noise.

Noise associated with systems designed for outdoor operation, measured at 1.2 m (4-ft 47 inches) above the ground surface, 6.00 m (20-ft 236 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances, shall not exceed 60 dbA.

Noise associated with systems designed for indoor operation, measured at 1.2 m (4-ft 47 inches) above the ground surface, 1.0 m (3-ft 39 inches) in four directions, at 90, 180, 270, and 360° from the system and its appurtenances shall not exceed 60 dbA.

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NSF International Standard / American National Standard –

Health Effects Evaluation and Criteria for Chemicals in Drinking Water

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4.7 Threshold of evaluation (TOE) chemical list

Where indicated, Table 4.1 contains the list of chemicals that have been evaluated under the threshold of evaluation because either they lack of the minimum data to determine chemical specific concentrations in accordance with the requirements of section 3 (see 3.6.1) or they may have sufficient toxicity data available that would enable chemical specific risk assessments to be performed but have not been detected at concentrations exceeding the threshold of evaluation criteria.

Qualification to the threshold of evaluation category includes a comprehensive literature search for the particular substance and consideration of structure-activity relationships.

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Table 4.1 – Drinking water criteria

(previously NSF/ANSI 60 Annex C, NSF/ANSI 61 Annex D)

Substance	CAS #	MCL/MAC or TAC (mg/L)	SPAC (mg/L)	STEL (mg/L)	Source of supporting documentation ^{1, 2, 3, 4, 5, 6, 7}	Additional information
propanedial, 2-(phenylmethylene)-	82700-43-4	0.003	0.0003	0.01	TOE	—
bis(2-ethylhexyl) cyclohexane-1,4-dicarboxylate	84731-70-4	2000 ppb	200 ppb	3000 ppb	NSF External peer review date: 04/19/2017	—
nonyl phenol (mixed isomers)	84852-15-3	0.07 (total)	0.007 (total)	0.3 (total)	NSF External peer review date: 05/05/2015	The listed criteria are applicable to all isomers of nonyl phenol. Due to the significant number of CAS#s associated with potential isomers, only CAS# 25154-52-3 and CAS# 84852-15-3 are included in this table. All isomer detections shall be summed and compared to the listed criteria

Rationale: This ballot corrects the inadvertent omission of bis(2-ethylhexyl) cyclohexane-1,4-dicarboxylate from the recent ballot of drinking water criteria updates from the Health Advisory Board (HAB) and the Joint Peer Steering Committee (JPRSC) (November 2018).

BSR/MCA FTS-1-201x**Test Method for Wind Load Resistance of Flashings Used with Metal Roof Systems**

(previous title: Test Method for Structural Performance of Flashings Used with Metal Roof Systems)

Recirculation Ballot Substantive Changes:

Section 2.0 – Deleted

~~2.0 Referenced Documents~~

~~The following documents or portions thereof are referenced within this standard and shall be considered as part of the requirements of this document.~~

~~1. ASTM A 370-17a Standard Test Methods and Definitions for Mechanical Testing of Steel Products~~

~~2. ASTM B 557-15 Standard Test Methods for Tension Testing Wrought and Cast Aluminum and Magnesium Alloy Products~~

Section 6.1 – Description of Apparatus - Revised

The apparatus for single load tests shall include the major components shown in Figure 1. The apparatus for two load tests shall include the major components shown in Figure 2 and Figure 3. The Optional Stiffening Plate shown in these figures, if used, shall be no wider than 2" (51 mm) and no thicker than 1/8" (3.2 mm). Figures 1, 2 and 3 indicate how loads are applied to various generic flashing configurations. Actual flashing and configuration connection shall be per the design and manufacture of the flashing to be tested.

Section 8.2.5 – Procedure - Revised

8.2.5 The test shall be concluded when any of the following happen, the *specimen* fails, the capacity of the test apparatus is reached, or at the direction of the party conducting the test. *Failure* in the *specimen* shall be when any of the following conditions occur: 1) *Fastener failure* (ex. pull-out, pull-over or breakage), 2) Unlatching of a panel or flashing, 3) Component *failure* (ex. Rupture, tearing or cracking), ~~4) Unrestrained deflection (inability to resist additional load).~~

Section 9.4 – Test Report - Deleted

~~**9.4** The test report shall include photographs of the *specimen* and testing apparatus before testing, during testing and after testing. The test report shall include photographs showing the *failure* mode, and each component.~~

Section 9.5 – Test Report - Revised

9.5 The test report shall include the measured thickness and yield strength of the *specimen*. ~~Mechanical properties shall be measured after the removal of coatings in accordance with the appropriate standards for the material used, that is ASTM A 370-17a for steel and ASTM B 557-15 for aluminum.~~

BSR/UL 325, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems

1. Withdrawal of Proposal: Change to Introduction Scope

PROPOSAL

If the July 6, 2018 proposal is withdrawn, the current requirements in the standard would remain unchanged as shown below:

1.4 Doors and door operators intended for exit use, as defined in The National Fire Protection Association Life Safety Code, NFPA 101, and covered by these requirements are intended for installation in accordance with the International Building Code.

Note from the project manager: Note from the project manager: For ease of review, only the portion of Table A.1 included in the July 6, 2018 proposal are included below. The remainder of Table A.1 is unchanged.

Table A.1

Reference Standards

Ref.	Paragraph Number(s) where cited	Component or Subject	Applicable Standard(s) for U.S.	Applicable Standard(s) for Canada
3	1.4	Building Code	International Building Code (IBC)	None specified

8. Outdoor Use Clarification of Edge Sensor Testing

PROPOSAL

39.1.1.1 An edge sensor, when installed on a representative door or gate, shall actuate upon the application of a 66.7 N (15 lbf) or less force in the direction of the application when tested at room temperature 25°C ±2°C (77°F ±3.6°F) and, a . Additionally, when

intended for use ~~with gate operators or intended for use with doors~~ when exposed to outdoor weather when the door is in the closed position temperature, shall actuate at 177.9 N (40 lbf) or less force when tested at $-35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($-31^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$).

- a) For an edge sensor intended to be used on a sectional door or slide gate, the force is to be applied by the longitudinal edge of a 1-7/8 in (47.6 mm) diameter cylinder placed across the sensor so that the axis is perpendicular to the plane of the door or gate. See Figure 39.1 and 39.2.
- b) For an edge sensor intended to be used on a one piece door, swinging door, or swinging gate, the force is to be applied so that the axis is at an angle 30 degrees from the direction perpendicular to the plane of the door or gate. See Figure 39.3 and 39.4.
- c) For an edge sensor that wraps around the leading edge of a swinging one-piece door or a swinging gate, providing activation in both directions of travel, the force is to be applied so that the axis is at an angle 30 degrees from the direction perpendicular to both the closing direction and the opening direction. See Figure 39.5.

11. Edge Sensor Endurance Test Force Clarification

PROPOSAL

39.2.1 An edge sensor system and associated components shall withstand 30,000 cycles of mechanical operation without failure. For this test, the edge sensor is to be cycled by the repetitive application as described in 39.1.1.1, except with a force of a 66.7 N (15 lbf) or greater, and but at room temperature only. The force is to be applied to the same location for the entire test. All intended uses are to be tested. For an edge sensor system employing integral electric contact strips, this test shall be conducted with the contacts connected to a load no less severe than it controls in the operator. For the last 50 cycles of operation, the sensor shall function as intended when connected to an operator. After the 30,000 cycle test the normal operation test shall be repeated.

BSR/UL 521, Standard for Safety for Heat Detectors for Fire Protective Signaling Systems

PROPOSALS

1. Table 18.1 modification

Table 18.1
Heat detectors

Temperature rating	Temperature rating range,	Maximum installation temperature,	Temperature range subgroups - °F (°C)			
	°F (°C)	°F (°C)	Group A	Group B	Group C	Group D
Low	100 - 134 (37.8 - 56.7)	20°F (11.1°C) below rating	100 - 108 (37.8 - 42.2)	109 - 117 (42.8 - 47.2)	118 - 126 (47.8 - 52.2)	127 - 134 (52.8 - 56.7)
Ordinary	135 - 174 (57.2 - 78.9)	400 (37.8)	135 - 144 (57.2 - 62.2)	145 - 154 (62.8 - 67.8)	155 - 164 (68.3 - 73.3)	165 - 174 (73.9 - 78.9)
Intermediate	175 - 249 (79.4 - 120.6)	450 (65.6)	175 - 194 (79.4 - 90)	195 - 214 (90.6 - 101.1)	215 - 234 (101.7 - 112.2)	235 - 249 (112.8 - 120.6)
High	250 - 324 (121 - 162.2)	225 (107.2)	250 - 269 (121 - 131.7)	270 - 289 (132.2 - 142.8)	290 - 309 (143.3 - 153.9)	310 - 324 (154.4 - 162.2)
Extra High	325 - 399 (163 - 203.8)	300 (148.9)	325 - 344 (163 - 173.3)	345 - 364 (173.9 - 184.4)	365 - 384 (185 - 195.6)	385 - 399 (196.1 - 203.8)
Very Extra High	400 - 499 (204 - 259.4)	375 (190.6)	400 - 424 (204 - 217.8)	425 - 449 (218.3 - 231.7)	450 - 474 (232.2 - 245.6)	475 - 499 (246.1 - 259.4)
Ultra High	500 - 575 (260 - 302)	475 (246.1)	500 - 519 (260 - 270.6)	520 - 539 (271.1 - 281.7)	540 - 559 (282.2 - 292.8)	560 - 575 (293.3 - 302)

2. Table 53.1 modification

Table 53.1
Marking

Temperature rating	Temperature rating range,		Maximum installation temperature		Color code
	°F	(°C)	°F	(°C)	
Low	100 - 134	37.8 - 56.7	a		Yellow ^b
Ordinary	135 - 174	57.2 - 78.9	400 <u>115</u>	38 <u>47</u>	Uncolored
Intermediate	175 - 249	79.4 - 120.6	450 <u>155</u>	66 <u>69</u>	White
High	250 - 324	121 - 162.2	225 <u>230</u>	107 <u>111</u>	Blue

Extra High	325 - 399	163 - 203.8	300 <u>305</u>	449 <u>152</u>	Red
Very Extra High	400 - 499	204 - 259.4	375 <u>380</u>	494 <u>194</u>	Green
Ultra High	500 - 575	260 - 302	475 <u>480</u>	246 <u>249</u>	Orange

^a 20°F (11.1°C) below rating.

^b In addition to the color code marking, units shall also be marked to indicate the maximum ambient installation temperature.

3. Heat Detector Color Markings

53.2 Non-field programmable, sSpot-type heat detectors shall bear distinctive color markings in accordance with Table 53.1.

4. Field programmable heat detector marking

53.5 Field programmable spot-type heat detectors shall be marked with the following or equivalent symbol on the surface of the detector in a contrasting color:



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BSR/UL 858, Standard for Household Electric Ranges

1. Update to Surface Element Turn Off

PROPOSAL

Table SB5.1
Control functions

Function Title	Requirement	UL 858 Reference	UL 858A Reference	Proposed UL 60730 Declaration			
				Hardware Safety Investigation		Software safety	
				Function Class	Operating/protective	Type	Class
Cooktop Control - Including the control of a warming zone element and induction cooktops							
2-Steps ON	The control for a surface unit shall require a minimum of two operations to activate the surface unit. <u>After the first surface unit has been activated, activation of any subsequent surface unit must be comprised of two steps, both of which may be Class A functions.</u>	Section 47	Table 6.1	B	Operating	2	B
				<u>NOTE: Only 1 step needs to be hardware and software single fault tolerant.</u>			
Two 2-Steps ON timing Characteristic	1. Single input cancelled after 30 seconds 2. Timing between touches	47.4	N/A	A	Operating	1	A
1-Step OFF when an off switch per 47.2.1 is not provided	The control for a surface unit shall require only one operation and shall be required to turn a surface unit off.	47.2	Table 6.1	B	Operating	2	B
1-Step OFF when an off switch per 47.2.1 is provided	The control for a surface unit may require multiple steps or simultaneous switch operation.	47.2.1	Table 6.1	A	Operating	1	A
1-Step OFF when an off switch per 47.2.1 is provided	The control for a cooktop shall require only one operation and shall turn all surface units off.	47.2.1	Table 6.1	B	Operating	2	B
Power On Indicator	A signal lamp shall be provided on an appliance to indicate when a surface unit is on.	Section 49	Table 6.1	A	Operating	1	A
Normal Temp. Test "Governor" thermostatic in nature	A thermostatic control, that functions in a manner that prevents the prescribed conditions (see 59.3.2.10) shall operate as intended.	59.3.2.9	N/A	A	Operating	1	A
Normal Temperature Test "Governor" - non-thermostatic in nature	For a non-thermostatic control (such as a power limiting or element duty cycling/sharing control) that functions in a manner that prevents the prescribed conditions (see 59.3.2.10) shall operate as intended.	59.3.2.9	N/A	A	Operating	1	A
Cooktop automatic Time-out	A cooktop control shall not have a user adjustable timeout feature or any timeout feature that is described in the user manual or user I/O functionality	N/A	N/A	N/A	N/A	N/A	N/A
Element Off Independence -	1. Double Line Break (DLB) device should be dedicated to individual	25.1.12, 25.1.17	N/A	A	Operating	1	A

Avoidance of Inadvertent ON	surface elements; or 2. The control monitors the state of each primary/cycling heating element switch and disables DLB switch if a fault is detected.						
Attendance Sensing - functionality this de-energizes a cooktop if nonattendance is sensed.	Cooktops can be provided with "attendance sensing" controls, provided the following operational features are maintained: <ul style="list-style-type: none">• The control initiates a shutdown sequence after a duration of nonattendance is sensed.• The nonattendance duration shall not exceed 5 minutes.• The non-attendance duration shall not be readily adjustable; password - protected duration adjustment during commissioning is acceptable• The control shall visually and/or audibly alert the user that de-energization will occur no less than 2 minutes before shutdown.• After shutdown, direct, local user interaction with control circuitry is required to resume cooktop operation.• The direct, local user interaction shall include a minimum of two discreet steps.• If power failure occurs, the control shall resume operation as if non-attendance was sensed.• There shall be no readily available mechanism to disable the attendance sensing control.• The installation instructions shall recommend a periodic testing of the system operation	N/A	N/A	A	Operating	1	A
Induction Cooktop Controls - Additional Requirements							
Utensil (cookware) removed time out function	An element shall return to the off state if the utensil/cookware is removed for more than 30 seconds .	47.8	Table 6.1	B	Operating	2	B
Small metal sense function	Induction heating elements shall be constructed so that the element can only be operated with appropriately sized cooking utensil in place.	59.6	-	A	Operating	1	A
Cooling/Vent Fan Failure Control							
Vent/cooling fan failure - thermostatic	The thermostatic function shall be considered a Type 2 Action. If the control is not combined with the sensor at the time of factory calibration, the control and sensor shall each have a deviation/drift declaration (Table SB4.1); the	Section 62	N/A	B	Operating	2	B

	combined declaration shall not exceed that specified for the system.						
Vent/cooling fan failure non thermostatic	A control that functions in a manner that indicates loss of fan operation/rotation to de-energize loads (such as heating elements) during a cooling/vent fan failure condition, shall function as intended.	Section 62	N/A	B	Operating	2	B
Oven Temperature Regulating Control (UL 858A, Table 6.1)							
Oven temperature regulating	The thermostatic function shall regulate the oven temperature during all cooking modes	Section 25.2	Figure 6.2	A	Operating	1	A
Simultaneous energization of the multiple oven elements	Unless the field wiring provisions are sized for the combined current of all loads, the loads shall be operated in a manner that prevents combination that would exceed the anticipated branch circuit provisions	Input Test, Section 56	N/A	A	Operating	1	A
Open door broil	The control shall require the door to be shut during broil or the open door broil, shorted thermostat abnormal test shall be conducted.	72.1.5	N/A	A	Operating	1	A
Double line break	The control shall open all ungrounded poles controlling heating element or attachment plug receptacles when adjusted to the off position.	25.1.6	N/A	A	Operating	1	A
Unexpected ON during "oven" standby mode	User initiation required to energize element(s)	N/A	N/A	A	Operating	1	A
Self-Clean Oven Door Lock Control (UL 858A, Table 6.1)							
Self-clean door lock - locks	The control shall lock the oven door before the center of the oven cavity exceeds 316°C (600°F) while the oven is in the self-clean mode.	Section 91	Figure 6.3	B	Operating	2	B
Self-clean door lock - stays locked	The control shall retain the oven door in a locked mode while the center of the oven cavity exceeds 316°C (600°F) with the oven in the self-clean mode.	Section 91	Figure 6.3	B	Operating	2	B
Door lock in cooking mode	The control shall not lock the oven door during normal cooking (bake or broil, etc.) modes while cavity temperature is below 316° C (600° F). If the oven temperature is exceeds 316° C (600° F) in a cooking mode as the result of a fault (such as a single component failure) the oven door is permitted to lock .	N/A	Figure 6.3	A	Operating	1	A
Self-Clean Oven Temperature Regulating Control Table 6.1 of UL 858A							
Self-Clean Self-clean temperature regulating	The thermostatic function shall be considered a Type 2 action. If the control is not combined with the sensor at the time of factory calibration, the control and sensor	91.8 and 91.9	Figure 6.4	B	Operating	2	B

	shall each have a deviation/drift declaration; the combined declaration shall not exceed that specified for the system.						
Two <u>2</u> -steps ON	The control shall require 2 (or more) operations to initiate the self-clean mode	91.5	Figure 6.4	B	Operating	2	B
				<u>NOTE: Only 1 step needs to be hardware and software single fault tolerant.</u>			
Two <u>2</u> -steps ON timing characteristic	Timing between touches	91.6	N/A	A	Operating	1	A
One <u>1</u> -step OFF	The control shall only require 1 operation to terminate the self-clean mode	91.7	Figure 6.4	B	Operating	2	B
Dual Self-Cleaning	The control shall not allow simultaneous self-cleaning of double ovens unless the normal temp test limits are not exceeded with both ovens cleaning simultaneously.	94.2.2	N/A	A	Operating	1	A
Rate of rise	The control shall function in a manner that maintains the original time/temp profile before and after EMC and transient Surge testing	Section 69 and 70	N/A	A	Operating	1	A
Thermal Cut-Out Control (Protective) (UL 858 - Employed in lieu performing affected tests outlined in UL858, Section 69)							
Abnormal test Protector - thermostatic	The thermostatic function shall be considered a Type 2 action. If the control is not combined with the sensor at the time of factory calibration, the control and sensor shall each have a deviation/drift declaration (Table SB4.1); the combined declaration shall not exceed that specified for the system.	25.2.3- separate and independent	Figure 6.7	B	Protective	2	B
Abnormal test protector - non-thermostatic	A non-thermostatic control that is relied upon to function during abnormal testing of the appliance (other than fan failure conditions), such as an overcurrent control, shall function as intended. .	25.2.3- separate and independent	N/A	B	Protective	2	B
Abnormal operation - coil surface unit cooking oil ignition test	Primary control operating during the abnormal condition test for oil ignition to prevent fires during abnormal use of surface element cooking shall function in accordance with UL 60730-1 and the associated Part 2 for protective Type 2 Action. If such a primary control does not comply with the stated requirement, the primary control will be defeated and, oil ignition test will be repeated with redundant control functional.	60A.10		B	Protective	2	B
Remote Access Requirement - UL 858 Supplement SA3							
"Local" initiation	A "Local" operation is required to	SA3.4 A and	N/A	A	Operating	1	A

	initiate remote operation.	B					
"Local" cancellation	Appliance needs to be provided with a local mechanism to cancel remote operation.	SA2.6.2	N/A	A	Operating	1	A
Remote self-clean initiation	Local action is required to select the self-clean mode and separately remote operation; the door needs to lock immediately.	SA3.4d)	N/A	A	Operating	1	A
Remote Operation allowed for Unattended Modes Only	The software shall be designed in a manner that Remote operation of any type is not allowed for cooktop elements or open door broil	SA3.2 d)	N/A	B	Operating	2	B
Cannot adversely affect any critical functionality	Remote operation cannot adversely affect any function identified as Type 2, Function Class B or C; Software Class B or C.	SA3.2a), b), c)	N/A	B	Operating	2	B
Electronically Assisted Relay Operation							
Electronically assisted relay; relay used in an operating control	Relay should be capable of achieving completion of the endurance test with the electronic assistance in place and bypassed (random switching); if the relay fails to complete the bypassed test, the relay shall not exhibit evidence of an electric shock, fire or injury to person hazard.	N/A	N/A	A	Operating	1	A
Electronically assisted relay; relay used in an protective control	Relay should be capable of achieving completion of the endurance test with the electronic assistance in place. The electronic assistance to be single fault and environmental stress tolerant.	N/A	N/A	B	Protective	2	B

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BSR/UL 1072, Standard for Safety for Medium-Voltage Power Cables

1. Addition of woven Textile Fibers to Wire Shields

PROPOSAL

Table 18.1
Construction of metal component of insulation shielding

Form	Material and dimensions ^a	Application	
		Manner	Placement throughout the length of the insulated conductor
Tape	Copper of any convenient width and at least 2.5 mils or 0.06 mm thick	Helically applied	Directly over and in intimate contact with the conductive nonmetallic covering
or	or	or	
tapes	Other nonmagnetic metal of any convenient width and of a thickness that results in a conductance at least that of copper that is 2.5 mils or 0.06 mm thick	Corrugated and longitudinally applied with an unspecified overlap	
Straps	Copper having an effective cross-sectional area of at least 5000 circular mils (0.004 square inch) per inch of diameter over the insulation or of at least 0.01 square millimeter per millimeter of diameter over the insulation	Helically or longitudinally applied	Directly over and in intimate contact with the conductive nonmetallic covering
Wires ^c		Helically or longitudinally applied	Directly over and in intimate contact with the conductive nonmetallic covering
	or	Helically applied	Directly over and in intimate contact with the conductive nonmetallic covering
	Other nonmagnetic metal having an effective cross-sectional area that results in a conductance at least that of the copper mentioned above	Corrugated and longitudinally applied	Embedded (0.005 inch or 0.13 mm minimum thickness at any point) in extruded insulation shielding (see 17.2 , 17.4 , and 17.5) with none of the metal exposed at either the inner or outer surface of the extruded insulation shielding before and after the cold-bend test in 38.1

Wire ^b braid		Applied around the underlying construction	Directly over and in intimate contact with the conductive nonmetallic covering
Sheath	Smooth aluminum or lead sheath complying with 28.2 and 28.4 - 28.6	Tightly formed around the underlying construction	Directly over and in intimate contact with the conductive nonmetallic covering
	or		
	Welded and corrugated aluminum, bronze, or copper sheath complying with 28.2 , 28.3 , 28.7 , and 28.8		
	or		
	Extruded and corrugated aluminum sheath complying with 28.2 , 28.3 , 28.9 , and 28.10		
	The sheath in any form shall have an effective cross-sectional area that results in a conductance at least that of the copper wires or straps mentioned above		
<p>^a Additional conductance in the metal component may be necessary to meet circuit needs. This additional conductance is to be provided by adding additional area, by using metal of a higher conductivity, or by using more than one of the constructions described.</p>			
<p>^b In a wire braid, the individual wires shall not be smaller in diameter than 6.3 mils or 0.160 mm (34 AWG).</p>			
<p>^c <u>May consist of tin-coated or uncoated copper metallic wire strands in one grouping, and woven textiles in another grouping. One group shall be interwoven with the other group. Wires incorporating woven textiles in cable marked "For CT use" shall comply with the vertical tray flame test in section 62.</u></p>			

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