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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

Call for Comment of Limited Substantive Changes to an Approved American National Standard (ANS)

AHRI (Air-Conditioning, Heating, and Refrigeration Institute)
30-Day Call for Comment Deadline: June 22, 2020

ANSI/AHRI Standard 1330-2015

Performance Rating for Radiant Output of Gas Fired Infrared Heaters
(new standard)

This standard applies to Infrared Heaters that are Gas-Fired High-Intensity Infrared Heaters and Gas-Fired Low-Intensity Infrared Heaters with inputs up to and including 117.5 kW per burner intended for installation in and heating of outdoor or indoor spaces. The limited substantive changes are in Appendices C and E.

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

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

Comment Deadline: June 21, 2020

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 ph: (410) 267-7707 www.x9.org

Revision

BSR X9.129-202x, Electronic File Format Standards for Presentment and Remittance of Legal Orders, Version 3 (revision of ANSI X9.129-2020)

In today's environment, legal orders are generated in a large number of formats by a variety of different government agencies. These documents are then mailed to the bank for processing. When the bank receives the requests (mail, fax, spreadsheet), the process for fulfilling them is highly manual, which is time consuming and can be prone to errors, and there are limited areas where automation is applied. In most cases, the basic types of information, required for processing, are the same across the different request types. By creating a set of standards for electronic file formats for the different request types, benefits will be realized by both the requester and the receiver through automation of the process.

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

Send comments (with optional copy to psa@ansi.org) to: ambria.frazier@x9.org

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

1791 Tullie Circle NE, Atlanta, GA 30329 ph: (678) 539-2114 www.ashrae.org

Addenda

BSR/ASHRAE Addendum I to BSR/ASHRAE Standard 34-202x, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2019)

This addendum adds the zeotropic refrigerant blend R-457B to Tables 4-2 and D-2.

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

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

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

1791 Tullie Circle, NE, Atlanta, GA 30329-2305 ph: (404) 636-8400 www.ashrae.org

Addenda

BSR/ASHRAE/ICC/USGBC/IES Addendum ab to BSR/ASHRAE/ICC/USGBC/IES Standard 189.1-202x, Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings (addenda to ANSI/ASHRAE/USGBC/IES Standard 189.1-2017)

This ISC makes corrections to incomplete strikethrough and underline changes proposed during the 2nd public review in order to clarify the intent to improve views in the applicable spaces.

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

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

NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 ph: (734) 418-6660 www.nsf.org

Revision

BSR/NSF 14-202x (i109r2), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2019)

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

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

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

Comment Deadline: June 21, 2020

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-0956 <https://ul.org/>

Revision

BSR/UL 405-202x, Standard for Safety for Fire Department Connection Devices (revision of ANSI/UL 405-2018)

(1) Screens for nonthreaded fire department connections; (2) Hinge pin securement; (3) Hose thread requirements.

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

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

UL (Underwriters Laboratories)

47173 Benicia Street, Fremont, CA 94538 ph: (510) 319-4259 <https://ul.org/>

Revision

BSR/UL 778-202x, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778-2019)

The following topic is being proposed: (1) Delete reference to withdrawn standard UL 508C.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (613) 368-4432 <https://ul.org/>

Revision

BSR/UL 827-202X, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2019)

Virtual workplace requirements.

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

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 <https://ul.org/>

Revision

BSR/UL 844-202x, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations (revision of ANSI/UL 844-2019)

This proposal for UL 844 covers: (1) Revisions to include +60°C and -60°C explosion testing with test factors using precompression explosion testing equipment; (2) Revisions to permit the use of electronic medium for required documentation.

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

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

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062 ph: (847) 664-1292 <https://ul.org/>

Revision

BSR/UL 1446-202x, Standard for Safety for Systems of Insulating Materials - General (revision of ANSI/UL 1446-2019)

This proposal for UL 1446 covers requirements for defined life thermal aging test.

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

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

Comment Deadline: July 6, 2020

AAFS (American Academy of Forensic Sciences)

410 North 21st Street, Colorado Springs, CO 80904 ph: (719) 453-1036 www.aafs.org

New Standard

BSR/ASB Std 134-202x, Standard for Analyzing Pathological Conditions and Anomalies in Forensic Anthropology (new standard)

This standard sets forth techniques and approaches for describing, documenting, interpreting, and reporting pathological conditions and anomalies from skeletal and dental material and/or radiographic images. This document does not provide guidance for distinguishing between anomalies and normal skeletal variation, nor does it address cause and manner of death classification or skeletal trauma.

Single copy price: Free

Obtain an electronic copy from: Document and comments template can be viewed on the AAFS Standards Board website at: <http://www.asbstandardsboard.org/notice-of-standard-development-and-coordination//>

Order from: Document will be provided electronically on AAFS Standards Board website (www.asbstandardsboard.org) free of charge.

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

AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC 20036 ph: (202) 872-5955 www.aham.org

Revision

BSR/AHAM AC-1-202x, Method of Measuring Performance of Portable Household Electric Room Air Cleaners (revision of ANSI/AHAM AC-1-2015)

This standard method measures the relative reduction by the air cleaner of particulate matter suspended in the air in a specified test chamber. It also prescribes a method for measuring the operating power and standby power of the air cleaner.

Single copy price: \$110.00

Obtain an electronic copy from: mwilliams@aham.org

Order from: Matthew Williams, (202) 872-5955, mwilliams@aham.org

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

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Reaffirmation

BSR/ANS 59.51-1997 (R202x), Fuel Oil Systems for Safety-Related Emergency Diesel Generators (reaffirmation of ANSI/ANS 59.51-1997 (R2015))

This standard provides functional, performance, and initial design requirements for the fuel oil system for diesel generators that provide safety-related emergency onsite power for light water reactor nuclear power plants. This standard addresses the mechanical equipment associated with the fuel oil system, with the exception of the engine mounted components. These components, which are mounted directly to the engine structure itself, are excluded except to define interface requirements. It also includes the instrumentation and control functional requirements. The standard excludes motors, motor control centers, switchgear, cables, and other electrical equipment used in the operation of the fuel oil system, except to define interface requirements.

Single copy price: \$86.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

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

Comment Deadline: July 6, 2020

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Reaffirmation

BSR/ANS 59.52-1998 (R202x), Lubricating Oil Systems for Safety-Related Emergency Diesel Generators (reaffirmation of ANSI/ANS 59.52-1998 (R2015))

This standard provides functional, performance, and design requirements for lubricating oil systems for diesel generators that provide emergency onsite power for light water reactor nuclear power plants. The standard addresses all mechanical equipment associated with the lubricating oil system, with the exception of engine mounted components. These components, which are mounted directly to engine structure itself, are excluded, except to define interface requirements. This standard also includes the lubricating oil system instrumentation and control functional requirements. It excludes motors, motor control centers, switchgear, cables, and other electrical equipment used in the operation of the lubricating oil system, except to define interface requirements.

Single copy price: \$54.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

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

ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 ph: (516) 576-2341 www.acousticalsociety.org

New Standard

BSR/ASA S1.13-202x, Measurement of Sound Pressure Levels in the Air (new standard)

This standard specifies requirements and describes procedures for the measurement of sound pressure levels in air at a single point in space. These requirements and procedures apply primarily to measurements performed indoors but may be utilized in outdoor measurements under specified conditions. This is a standard applicable to a wide range of measurements and to sounds that may differ widely in temporal and spectral characteristics; more specific American National Standards complement its requirements. This standard applies only to the measurement of continuous sounds, those whose duration is 1 second or greater and does not apply to the measurement of impulsive sounds whose duration is less than 1 second.

Single copy price: \$143.00

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

ASTM (ASTM International)

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

New Standard

BSR/ASTM WK63718-202x, Test Method for Determination of Fatty Acid Methyl Esters (FAME) in Aviation Turbine Fuel using Mid-Infrared Laser Spectroscopy (new standard)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM C559-2016 (R202x), Test Method for Bulk Density by Physical Measurements of Manufactured Carbon and Graphite Articles (reaffirmation of ANSI/ASTM C559-2016)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM C695-2015 (R202x), Test Method for Compressive Strength of Carbon and Graphite (reaffirmation of ANSI/ASTM C695-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM C749-2015 (R202x), Test Method for Tensile Stress-Strain of Carbon and Graphite (reaffirmation of ANSI/ASTM C749-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM C783-2010 (R202x), Practice for Core Sampling of Graphite Electrodes (reaffirmation of ANSI/ASTM C783-2010 (R2015))

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM C1025-2015 (R202x), Test Method for Modulus of Rupture in Bending of Electrode Graphite (reaffirmation of ANSI/ASTM C1025-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM D6986-2010 (R202x), Test Method for Free Water, Particulate and Other Contamination in Aviation Fuels (Visual Inspection Procedures) (reaffirmation of ANSI/ASTM D6986-2010 (R2016))

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM D7972-2014 (R202x), Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Three-Point Loading at Room Temperature (reaffirmation of ANSI/ASTM D7972-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F1749-2015 (R202x), Specification for Fitness Equipment and Fitness Facility Safety Signage and Labels (reaffirmation of ANSI/ASTM F1749-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

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

Reaffirmation

BSR/ASTM F2276-2010 (R202x), Specification for Fitness Equipment (reaffirmation of ANSI/ASTM F2276-2010 (R2015))

https://www.astm.org/ANSI_SA

Single copy price: Free

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Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2571-2015 (R202x), Test Methods for Evaluating Design and Performance Characteristics of Fitness Equipment (reaffirmation of ANSI/ASTM F2571-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2810-2015 (R202x), Specification for Elliptical Trainers (reaffirmation of ANSI/ASTM F2810-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Reaffirmation

BSR/ASTM F2811-2015 (R202x), Test Methods for Evaluating Design and Performance Characteristics of Elliptical Trainers (reaffirmation of ANSI/ASTM F2811-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM C560-202x, Test Methods for Chemical Analysis of Graphite (revision of ANSI/ASTM C560-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Revision

BSR/ASTM C651-202x, Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Four-Point Loading at Room Temperature (revision of ANSI/ASTM C651-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM C748-202x, Test Method for Rockwell Hardness of Graphite Materials (revision of ANSI/ASTM C748-2010 (R2015))

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D910-202x, Specification for Leaded Aviation Gasolines (revision of ANSI/ASTM D910-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM D1655-202x, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2020)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Revision

BSR/ASTM D3244-202x, Practice for Utilization of Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM D3244-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM D3948-202x, Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer (revision of ANSI/ASTM D3948-2014 (R2018))

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D4054-202x, Practice for Evaluation of New Aviation Turbine Fuels and Fuel Additives (revision of ANSI/ASTM D4054-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D4306-202x, Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination (revision of ANSI/ASTM D4306-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Revision

BSR/ASTM D4865-202x, Guide for Generation and Dissipation of Static Electricity in Petroleum Fuel Systems (revision of ANSI/ASTM D4865-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

ASTM (ASTM International)

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

Revision

BSR/ASTM D6299-202x, Practice for Applying Statistical Quality Assurance and Control Charting Techniques to Evaluate Analytical Measurement System Performance (revision of ANSI/ASTM D6299-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM D6300-202x, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products and Lubricants (revision of ANSI/ASTM D6300-2020)

https://www.astm.org/ANSI_SA

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Revision

BSR/ASTM D7224-202x, Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer (revision of ANSI/ASTM D7224-2014 (R2018))

https://www.astm.org/ANSI_SA

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Comment Deadline: July 6, 2020

ASTM (ASTM International)

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

Revision

BSR/ASTM D7566-202x, Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons (revision of ANSI/ASTM D7566-2020)

https://www.astm.org/ANSI_SA

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

Revision

BSR/ASTM D8289-202x, Test Method for Tensile Strength Estimate by Disc Compression of Manufactured Graphite (revision of ANSI/ASTM D8289-2019)

https://www.astm.org/ANSI_SA

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

Revision

BSR/ASTM E119-202x, Test Methods for Fire Tests of Building Construction and Materials (revision of ANSI/ASTM E119-2019)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM F1250-202x, Specification for Stationary Upright and Recumbent Exercise Bicycles and Upper and Total Body Ergometers (revision of ANSI/ASTM F1250-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM F1696-202x, Test Method for Energy Performance of Stationary-Rack, Door-Type Commercial Dishwashing Machines (revision of ANSI/ASTM F1696-2018)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Revision

BSR/ASTM F1920-202x, Test Method for Performance of Rack Conveyor Commercial Dishwashing Machines (revision of ANSI/ASTM F1920-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Revision

BSR/ASTM F2337-202x, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2016)

https://www.astm.org/ANSI_SA

Single copy price: Free

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Revision

BSR/ASTM F3101-202x, Specification for Unsupervised Public Use Outdoor Fitness Equipment (revision of ANSI/ASTM F3101-2015)

https://www.astm.org/ANSI_SA

Single copy price: Free

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ASTM (ASTM International)

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

Revision

BSR/ASTM F3104-202x, Test Methods for Evaluating Design and Performance Characteristics of Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment (revision of ANSI/ASTM F3104-2014)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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ASTM (ASTM International)

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

Revision

BSR/ASTM F3105-202x, Specification for Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment (revision of ANSI/ASTM F3105-2014)

https://www.astm.org/ANSI_SA

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ASTM (ASTM International)

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

Withdrawal

ANSI/ASTM E2750-2017, Guide for Extension of Data from Penetration Firestop System Tests Conducted in Accordance with ASTM (withdrawal of ANSI/ASTM E2750-2017)

https://www.astm.org/ANSI_SA

Single copy price: Free

Obtain an electronic copy from: lklineburger@astm.org

Order from: Laura Klineburger, (610) 832-9744, accreditation@astm.org

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

AWS (American Welding Society)

8669 Doral Blvd, Suite 130, Doral, FL 33166 ph: (800) 443-9353 www.aws.org

New Standard

BSR/AWS C3.9M/C3.9-202x, Specification for Resistance Brazing (new standard)

This specification provides the minimum fabrication, equipment, material, and process procedure requirements, as well as discontinuity limits for the resistance brazing of steels, copper, copper alloys, heat- and corrosion-resistant alloys, and other materials that can be adequately resistance brazed (the resistance brazing of aluminum alloys is addressed in AWS C3.7M/C3.7, Specification for Aluminum Brazing). This specification provides criteria for classifying resistance brazed joints based on loading and the consequences of failure and quality assurance criteria defining the limits of acceptability in each class. This specification defines acceptable resistance brazing equipment, materials, and procedures, as well as the required inspection for each class of joint.

Single copy price: \$26.00 (AWS Members); \$34.00 (Non-Members)

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger, (800) 443-9353, kbulger@aws.org

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

Comment Deadline: July 6, 2020

AWS (American Welding Society)

8669 Doral Blvd, Suite 130, Doral, FL 33166 ph: (800) 443-9353 www.aws.org

Revision

BSR/AWS C3.8M/C3.8-202x, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints (revision of ANSI/AWS C3.8M/C3.8-2011)

This specification provides the minimum requirements for the pulse-echo ultrasonic examination of brazed joints. Its purpose is to standardize brazed-joint ultrasonic examination requirements for all applications in which brazed joints of assured quality are required. It provides the minimum requirements for equipment, procedures, and the documentation of such tests.

Single copy price: \$30.00 (AWS Members); \$40.00 (Non-Members)

Obtain an electronic copy from: kbulger@aws.org

Order from: Kevin Bulger, (800) 443-9353, kbulger@aws.org

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

B11 (B11 Standards, Inc.)

PO Box 690905, Houston, TX 77269-0905 ph: (832) 446-6999 <https://www.b11standards.org/>

New Standard

BSR B11.27-202x, Safety Requirements for Electro-Discharge Machines (new standard)

This standard specifies safety requirements and/or risk reduction measures, applicable to Electro Discharge Machine (EDM) equipment and EDM systems, such as:

- (a) manually controlled die sinking; drilling machines; and
- (b) numerically controlled die sinking; drilling machines; and wire cutting machines.

This standard addresses all hazardous conditions during the use and foreseeable misuse in normal environments and non-explosive atmospheres, including transportation, installation, setting, maintenance, repair, and dismantling for removal or disposal.

Single copy price: \$109.00

Obtain an electronic copy from: dfelinski@b11standards.org

Order from: David Felinski, (832) 446-6999, dfelinski@b11standards.org

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

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 ph: (571) 323-0294 www.ecianow.org

Reaffirmation

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

Except for a few surface-mount technology (SMT) aluminum electrolytic capacitor types with solid electrolyte systems, an aluminum electrolytic capacitor consists of a wound capacitor element, impregnated with liquid electrolyte, connected to terminals and sealed in a can. The element is comprised of an anode foil, paper separators saturated with electrolyte and a cathode foil. The foils are high-purity aluminum and are etched to increase the surface area in contact with the electrolyte.

Single copy price: \$104.00

Obtain an electronic copy from: global.ihs.com

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

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski, emikoski@ecianow.org

ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 ph: (571) 323-0294 www.ecianow.org

Reaffirmation

BSR/EIA 944-2013 (R202x), Surface Mount Chip Bead Qualification Specification (reaffirmation of ANSI/EIA 944-2013)

This specification defines the qualification program for surface mount ferrite chip beads. The qualification program is defined in Table 1. Specification sheets can be added, as required, to define specific products or to cover unique/specific requirements.

Single copy price: \$75.00

Obtain an electronic copy from: global.ihs.com

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

Send comments (with optional copy to psa@ansi.org) to: Edward Mikoski, emikoski@ecianow.org

Comment Deadline: July 6, 2020

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 ph: (313) 550-2073 www.hl7.org

New Standard

BSR/HL7 V26 IG CCHD, R1-202x, HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1 (new standard)

The Implementation Guide for the Messaging of Newborn Screening data using pulse oximetry devices for Critical Congenital Heart Defects focuses on standardizing how CCHD screening information is transmitted from a point-of-care device to an interested consumer such as public health.

Single copy price: Free

Obtain an electronic copy from: Karenvan@HL7.org

Order from: Karen Van Hentenryck, (734) 677-7777, Karenvan@HL7.org

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

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 ph: (708) 995-3017 www.asse-plumbing.org

New Standard

BSR/ASSE 1090-202x, Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (new standard)

This standard has been created to test point-of-use and commercial drinking-water generating systems that are designed to create potable water from humidity. Critical components of these systems include a surface chilled below the dewpoint of the ambient air, storage tank, and disinfection control techniques to address microbiological water contamination. This standard is not intended to verify chemical, particulate, or other water purity claims made by the manufacturer. Systems may include filtration to reduce chemical and particulate water contamination. Proper design shall include consideration for the energy efficiency of the atmospheric water generator.

Single copy price: \$45.00

Obtain an electronic copy from: chris@asse-plumbing.org

Send comments (with optional copy to psa@ansi.org) to: chris@asse-plumbing.org

IKECA (International Kitchen Exhaust Cleaning Association)

2331 Rock Spring Road, Forest Hill, MD 21050 ph: (410) 417-5234 www.ikeca.org

Revision

BSR/IKECA C10-202x, Standard for the Methodology for Cleaning Commercial Kitchen Exhaust Systems (revision of ANSI/IKECA C10-2016)

The commercial kitchen exhaust cleaning industry has relied on NFPA 96®, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, which is developed and maintained by the Technical Committee on Venting Systems for Cooking Appliances of the National Fire Protection Association. The IKECA C10 standard addresses many of the areas that NFPA 96 does not cover as it pertains to the cleaning of kitchen exhaust ventilation and cooking systems.

Single copy price: \$20.00 (IKECA Members); \$30.00 (Non-Members)

Obtain an electronic copy from: <https://ikeca.site-ym.com/store/default.aspx>

Order from: <https://ikeca.site-ym.com/store/default.aspx>

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

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

1750 K Street NW, Suite 460, Washington, DC 20006 ph: (202) 296-9880 www.indtrk.org

Revision

BSR/ITSDF B56.11.7-202X, Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting - Liquid Withdrawal - for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.7-2011)

This Standard establishes dimensions for LPG fuel cylinders used on powered industrial trucks.

Single copy price: Free

Obtain an electronic copy from: info@itsdf.org

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

Comment Deadline: July 6, 2020

MSS (Manufacturers Standardization Society)

127 Park Street, NE, Vienna, VA 22180-4602 ph: (703) 281-6613 www.mss-hq.org

Revision

BSR/MSS SP-144-202x, Pressure-Seal Bonnet Valves (revision of ANSI/MSS SP-144-2013)

This standard covers construction requirements for steel and alloy valves having pressure seal bonnets in the size range of NPS 2 (DN 50) through NPS 50 (DN 1250) and Pressure Classes 600, 900, 1500, 2500, and 4500. This standard applies to gate, globe, and check valves and may be used in conjunction with other valve-specific standards; including the following identified in this Standard Practice as parent valve standards: API 594, API 600, API 603, API 623, and ASME B16.34. Except for the requirements for modification to pressure-seal bonnets and Style A gate-valve modifications, and Style B gate-valve specific details, the requirements of this Standard Practice are not intended to replace requirements of the parent valve standard.

Single copy price: \$70.00

Obtain an electronic copy from: standards@msshq.org

Order from: Kaley Garubba, (703) 281-6613, standards@msshq.org

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

NECA (National Electrical Contractors Association)

3 Bethesda Metro Center, Suite 1100, Bethesda, MD 20814 ph: (240) 800-5003 www.neca-neis.org

New Standard

BSR/NECA 702-202X, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

This publication describes recommended practice for identifying possible causes of electrical equipment mis-operation due to poor power quality, and methods improving overall system quality and equipment operation.

Single copy price: \$25.00 (NECA Members); \$55.00 (Non-Members)

Obtain an electronic copy from: neis@necanet.org

Order from: neis@necanet.org

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

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 ph: (703) 549-7600 www.opei.org

Reaffirmation

BSR/ILTVA Z135-2012 (R202x), (Standard) for Personal Transport Vehicles - Safety and Performance Specifications (reaffirmation of ANSI/ILTVA Z135-2012)

This standard provides safety and performance specifications relating to personal transport vehicles, (PTVs), driven by electric motors or internal combustion engines to be operated on designated roadways, or within a closed community where permitted by law or by regulatory authority rules.

Single copy price: Free

Obtain an electronic copy from: gknott@opei.org

Order from: Greg Knott, OPEI, gknott@opei.org, 703-549-7600

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

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 ph: (800) 542-5040 www.scte.org

Revision

BSR/SCTE 170-202x, Preparing an MDU Amplifier Extender Specification (revision of ANSI/SCTE 170-2010)

This document provides guidance for preparing an MDU Amplifier requirements specification, independent of manufacturer and type.

Single copy price: \$50.00

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

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

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

Comment Deadline: July 6, 2020

SDI (Steel Deck Institute)

PO Box 426, Glenshaw, PA 15116 ph: (412) 487-3325 www.sdi.org

Revision

BSR/SDI SD-202x, Standard for Steel Deck (revision, redesignation and consolidation of ANSI/SDI-C-2017, ANSI/SDI NC-2017, and ANSI/SDI RD-2017)

This is a consolidation and revision of existing ANSI/SDI NC-2017, ANSI/SDI C-2017, and ANSI/SDI RD-2017 Standards into a single Standard. BSR/SDI-SD-20xx is a Standard for steel roof and floor deck to be used by designers, specifiers, manufacturers, and installers. The Standard sets guidelines and requirements relating to quality assurance, materials, design, materials handling, and installation of steel roof and floor deck. Non-mandatory user notes and commentary are included for further clarification and guidance.

Single copy price: Free

Obtain an electronic copy from: bob@sdi.org

Send comments (with optional copy to psa@ansi.org) to: Thomas Sputo, SDI Technical Director, tsputo50@gmail.com

SDI (Steel Deck Institute)

PO Box 426, Glenshaw, PA 15116 ph: (412) 487-3325 www.sdi.org

Revision

BSR/SDI T-CD-202x, Test Standard for Composite Steel Deck Slabs (revision of ANSI/SDI T-CD-2017)

This is a revision of the existing ANSI/SDI T-CD-2017 standard. ANSI/SDI-T-CD-2017 is a standard for structural testing of composite steel deck slabs to be used by designers, specifiers, manufacturers, and installers of composite steel deck slabs. The specification sets guidelines and requirements relating to methods for structural testing of composite steel deck slabs. Non-mandatory user notes are included for further clarification and guidance.

Single copy price: Free

Obtain an electronic copy from: bob@sdi.org

Send comments (with optional copy to psa@ansi.org) to: Thomas Sputo, SDI Technical Director, tsputo50@gmail.com

TIA (Telecommunications Industry Association)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201 ph: (703) 907-7706 www.tiaonline.org

Revision

BSR/TIA 455-244-A-202x, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (revision and redesignation of ANSI/TIA 455-244-2011)

This document will revise ANSI/TIA 455-244 to incorporate applicable sections of IEC 60794-1-22, Method F18.

Single copy price: \$65.00

Obtain an electronic copy from: standards@tiaonline.org

Order from: TIA, standards@tiaonline.org

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

UL (Underwriters Laboratories)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 ph: (919) 549-1851 <https://ul.org/>

Revision

BSR/UL 823-202X, Standard for Safety for Electric Heaters for Use in Hazardous (Classified) Locations (revision of ANSI/UL 823-2007 (R2016))

This proposal for UL 823 covers: (1) Revisions to include +60°C and -60°C explosion testing with test factors using precompression explosion testing equipment and (2) Revisions to permit the use of electronic medium for required documentation.

Single copy price: Free

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

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

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

Comment Deadline: July 6, 2020

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 ph: (847) 664-3038 <https://ul.org/>

Revision

BSR/UL 1996-202X, Standard for Electric Duct Heaters (revision of ANSI/UL 1996-2016)

Propose revisions to duct heaters employed in ductwork that contain flammable refrigerants.

Single copy price: Free

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

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

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

Comment Deadline: July 21, 2020

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL 60526 ph: (708) 579-8268 www.ans.org

Revision

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

BSR/ANS 57.8-202x, Fuel Assembly Identification (revision of ANSI/ANS 57.8-1995 (R2017))

This standard provides requirements and detailed information for uniquely identifying nuclear fuel assemblies/elements, and the corresponding fuel plates or rods inside the assemblies. Detailed recommendations and requirements are provided for the numbering of the geometric orientation for the fuel plates, or fuel rods, inside the fuel assemblies. This standard is a detailed revision of ANSI/ANS 57.8-1995 (R2017).

Single copy price: \$47.00

Obtain an electronic copy from: orders@ans.org

Order from: orders@ans.org

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

IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854 ph: (732) 562-3854 www.ieee.org

New Standard

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

BSR/IEEE 1863-202x, Guide for Overhead AC Transmission Line Design (new standard)

This guide applies to three-phase overhead ac transmission line (110 kV to 1000 kV) design and construction, and it can be used as reference for lower voltage levels. This guide specifies design methodologies of the overhead transmission line conductors and ground wires, insulators and fittings, insulation coordination, lightning protection and grounding, conductor arrangement, as well as tower types, loads, materials, structure, and foundations.

Single copy price: \$152.00 (PDF); \$190.00 (print)

Obtain an electronic copy from: <https://www.techstreet.com/ieee/searches/27285492>

Order from: <https://www.techstreet.com/ieee/searches/27285492>

Send comments (with optional copy to psa@ansi.org) to: k.evangelista@ieee.org

Comment Deadline: July 21, 2020

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

700 K Street NW, Suite 600, Washington, DC 20001 ph: (202) 737-8888 www.incits.org

Stabilized Maintenance

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

INCITS/ISO/IEC 12087-2:1994 [S202x], Information Technology - Computer Graphics And Image Processing - Image Processing And Interchange (IPI) - Functional Specification - Part 2: Programmers Imaging Kernel System Application Programme Interface (stabilized maintenance of INCITS/ISO/IEC 12087-2:1994 [R2014])

Establishes the specification of the application program interface (API), called the Programmer's Imaging Kernel System (PIKS). PIKS is intended to provide a rich set of both low-level and high-level services on image and image-derived data objects. These services can be used as building blocks for a broad range of common imaging applications.

Single copy price: \$133.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

Order from: <http://webstore.ansi.org/>

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

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

700 K Street NW, Suite 600, Washington, DC 20001 ph: (202) 737-8888 www.incits.org

Stabilized Maintenance

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

INCITS/ISO/IEC 12089:1997 [S202x], Information Technology - Computer Graphics and Image Processing - Encoding for the Image Interchange Facility (IIF) (stabilized maintenance of INCITS/ISO/IEC 12089:1997 [R2014])

Defines the encoding rules which shall apply to the representation of IPI-IIF image data. The IPI-IIF data format is defined in ISO/IEC 12087-3, called "Image Interchange Facility (IIF)". It is Part 3 of the Image Processing and Interchange International Standard, defined in ISO/IEC 12087. The IPI-IIF facilitates the interchange of digital images. It consists of two major parts: (1) the IPI-IIF data format (IIF-DF) definition, whose syntax is described using ASN.1 and (2) the IPI-IIF gateway definition, whose functionality is described by an application programmers interface.

Single copy price: \$75.00

Obtain an electronic copy from: <http://webstore.ansi.org/>

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

Project Withdrawn

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

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8197 www.api.org

BSR/API RP 17L2, 1st Edition/ISO 13628-17-200x, Recommended Practice for Flexible Pipe Ancillary Equipment (identical national adoption of ISO 13628-17)

Inquiries may be directed to Paula Watkins, (202) 682-8197, watkinsp@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8197 www.api.org

BSR/API Spec 17L1, 1st Edition/ISO 13628-16-200x, Specification for Flexible Pipe Ancillary Equipment (identical national adoption of ISO 13628-16)

Inquiries may be directed to Paula Watkins, (202) 682-8197, watkinsp@api.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.

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8135 www.api.org

ANSI/API 6DX-201/ISO 12490-2011, Mechanical integrity and sizing of actuators and mounting kits for pipeline valves

Questions may be directed to: Edmund Baniak, (202) 682-8135, baniake@api.org

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001 ph: (202) 682-8135 www.api.org

ANSI/API RP 17P/ISO 13628-15-2011, Recommended Practice for Manifolds and Structures on Subsea Production Systems

Questions may be directed to: Edmund Baniak, (202) 682-8135, baniake@api.org

Call for Members (ANS Consensus Bodies)

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

AAMI (Association for the Advancement of Medical Instrumentation)

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

BSR/AAMI/ISO 10993-2-202x, Biological evaluation of medical devices - Part 2: Animal welfare requirements (national adoption of ISO 10993-2 with modifications and revision of ANSI/AAMI/ISO 10993-2-2006 (R2014))

“AAMI is seeking user, general interest and regulatory stakeholders.”

BSR/AAMI/ISO 10993-10-202x, Biological evaluation of medical devices - Part 10: Tests for skin sensitization (national adoption of ISO 10993-10 with modifications and revision of ANSI/AAMI/ISO 10993-10:2010 (R2014))

“AAMI is seeking user, general interest and regulatory stakeholders.”

BSR/AAMI/ISO 10993-23-202x, Biological evaluation of medical devices - Part 23: Tests for irritation (identical national adoption of ISO 10993-23)

“AAMI is seeking user, general interest and regulatory stakeholders.”

BSR/AAMI/ISO 10993-7-2008/Amd 1-202x, Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Amendment 1: Applicability of allowable limits for neonates and infants (identical national adoption of ISO 10993-7:2008/Amd 1:2019)

“AAMI is seeking user, general interest and regulatory stakeholders.”

BSR/AAMI/ISO 22442-1-202x, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (national adoption of ISO 22442-1 with modifications and revision of ANSI/AAMI/ISO 22442-1-2016)

“AAMI is seeking user, general interest and regulatory stakeholders.”

BSR/AAMI/ISO 22442-2-202x, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (national adoption of ISO 22442-2 with modifications and revision of ANSI/AAMI/ISO 22442-2-2016)

“AAMI is seeking user, general interest and regulatory stakeholders.”

AHAM (Association of Home Appliance Manufacturers)

Contact: Matthew Williams
1111 19th Street N.W., Suite 402
Washington, DC 20036
p: (202) 872-5955
e: mwilliams@aham.org

BSR/AHAM AC-1-202x, Method of Measuring Performance of Portable Household Electric Room Air Cleaners (revision of ANSI/AHAM AC-1-2015)

ASA (ASC S1) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
p: (516) 576-2341
e: standards@acousticalsociety.org

BSR/ASA S1.13-202x, Measurement of Sound Pressure Levels in the Air (new standard)

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.

ASA (ASC S3) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon
1305 Walt Whitman Road, Suite 300
Melville, NY 11747
p: (516) 576-2341
e: standards@acousticalsociety.org

BSR/ASA S3.35-202x, Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (revision of ANSI/ASA S3.35-2010 (R2015))

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

Contact: Tim Fisher
520 N. Northwest Highway
Park Ridge, IL 60068
p: (847) 768-3411
e: TFisher@ASSP.org

BSR/ASSP A10.38-202X, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment or Construction and Demolition Sites (revision and redesignation of ANSI/ASSE A10.38-2013)

BSR/ASSP A10.47-202X, Work Zone Safety for Highway Construction (revision and redesignation of ANSI/ASSE A10.47-2015)

ASSP (Safety) (American Society of Safety Professionals)

Contact: Tim Fisher
520 N. Northwest Highway
Park Ridge, IL 60068
p: (847) 768-3411
e: TFisher@ASSP.org

BSR/ASSP Z10.0-202X, Occupational Health and Safety Management Systems (revision of ANSI/ASSP Z10.0-2019)

ECIA (Electronic Components Industry Association)

Contact: Laura Donohoe
13873 Park Center Road, Suite 315
Herndon, VA 20171
p: (571) 323-0294
e: ldonohoe@ecianow.org

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

BSR/EIA 944-2013 (R202x), Surface Mount Chip Bead Qualification Specification (reaffirmation of ANSI/EIA 944-2013)

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

Contact: Barbara Bennett
700 K Street NW, Suite 600
Washington, DC 20001
p: (202) 737-8888
e: comments@standards.incits.org

INCITS 573-202x, Information technology - Mid-Level Ontology (MLO) (new standard)

Contact: Rachel Porter
700 K Street NW, Suite 600
Washington, DC 20001
p: (202) 737-8888
e: comments@standards.incits.org

INCITS/ISO/IEC 12087-2:1994 [S202x], Information Technology - Computer Graphics And Image Processing - Image Processing And Interchange (IPI) - Functional Specification - Part 2: Programmers Imaging Kernel System Application Programme Interface (stabilized maintenance of INCITS/ISO/IEC 12087-2:1994 [R2014])

INCITS/ISO/IEC 12089:1997 [S202x], Information Technology - Computer Graphics and Image Processing - Encoding for the Image Interchange Facility (IIF) (stabilized maintenance of INCITS/ISO/IEC 12089:1997 [R2014])

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.

NECA (National Electrical Contractors Association)

Contact: Lina Jariri
3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814
p: (240) 800-5003
e: lina.jariri@necanet.org

BSR/NECA 702-202X, Recommended Practice for Maintaining Power Quality of Electrical Power Distribution Systems (new standard)

Contact: Wathma Jayathilake
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
p: (613) 368-4432
e: Wathma.Jayathilake@ul.org

BSR/UL 827-202X, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2019)

NSF (NSF International)

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

BSR/NSF 14-202x (i109r2), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2019)

TIA (Telecommunications Industry Association)

Contact: Teesha Jenkins
1320 North Courthouse Road, Suite 200
Arlington, VA 22201
p: (703) 907-7706
e: standards@tiaonline.org

BSR/TIA 455-244-A-202x, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling Revision (revision and redesignation of ANSI/TIA 455-244-2011)

UL (Underwriters Laboratories)

Contact: Jennifer Fields
12 Laboratory Drive
Research Triangle Park, NC 27709-3995
p: (919) 549-1007
e: jennifer.fields@ul.org

BSR/UL 4601-202x, Standard for Safety for Evaluation of Autonomous Unmanned Aerial Systems (new standard)

Call for Members (ANS Consensus Bodies)

American Society of Baking – ASB (ASC Z50)

Application Deadline: July 3, 2020

The ASB is currently accepting applications for openings in the consensus bodies. In order to maintain a specific balance across interest categories, the ASB is soliciting members only in the interest categories listed. Visit the ASB website for detailed description of the Interest Categories

<http://www.asbstandardsboard.org/documents-and-forms/>.

The application for membership can be downloaded <http://www.asbstandardsboard.org/aafs-standards-board-consensus-body-descriptions/>, please complete the application by July 3, 2020 and send it to asb@aafs.org.

Anthropology: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Bloodstain Pattern Analysis: General Interest, Jurisprudence and Criminal Justice, Organizations, Producers.

Disaster Victim Identification: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

DNA: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Dogs and Sensors: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Firearms and Toolmarks: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Footwear and Tire Tracks: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Forensic Document Examination: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organization, Producers.

Friction Ridge: Academics and Researchers, General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Medicolegal Death Investigation: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

Toxicology: General Interest, Jurisprudence and Criminal Justice, Organization, Producers.

Wildlife: General Interest, Jurisprudence and Criminal Justice, Organization, Producers, User – Non-Government.

The ASB works closely with other SDOs, professional organizations, and committees to ensure that we do not duplicate work undertaken elsewhere to develop standards. We have invited liaisons of such groups to participate in each of the relevant Consensus Body meetings.

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.

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

New Standard

ANSI/AHRI Standard 1330-2015, Performance Rating for Radiant Output of Gas Fired Infrared Heaters (new standard): 4/20/2015

ANSI/AHRI Standard 1350 (I-P)-2014, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard): 5/19/2015

ANSI/AHRI Standard 1351 (SI)-2015, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard): 5/19/2015

ASABE (American Society of Agricultural and Biological Engineers)

New Standard

ANSI/ASAE S583.2 MONYEAR-2020, Safety for Agricultural Front End Loaders (new standard): 5/14/2020

ASME (American Society of Mechanical Engineers)

Reaffirmation

ANSI/ASME A112.4.2/CSA B45.16-2015 (R2020), Personal Hygiene Devices for Water Closets (reaffirmation of ANSI/ASME A112.4.2/CSA B45.16-2015): 5/15/2020

ANSI/ASME MFC 21.1-2015 (R2020), Measurement of Gas Flow by Means of Capillary Tube Thermal Mass Flowmeters and Mass Flow Controllers (reaffirmation of ANSI/ASME MFC 21.1-2015): 5/15/2020

AWWA (American Water Works Association)

Revision

ANSI/AWWA C653-2020, Disinfection of Water Treatment Plants (revision of ANSI/AWWA C653-2013): 5/15/2020

BIFMA (Business and Institutional Furniture Manufacturers Association)

Revision

ANSI/BIFMA X5.4-2020, Public and Lounge Seating (revision of ANSI/BIFMA X5.4-2012): 5/14/2020

ECIA (Electronic Components Industry Association)

Revision

ANSI/EIA 364-05C-2020, Contact Insertion, Release and Removal Force Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-05B-2009 (R2015)): 5/14/2020

INMM (ASC N14) (Institute of Nuclear Materials Management)

Revision

ANSI N14.36-2020, Measurement of Radiation Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013): 5/14/2020

NFRC (National Fenestration Rating Council)

New Standard

ANSI/NFRC 202-2020, Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence (new standard): 5/14/2020

ANSI/NFRC 203-2020, Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (new standard): 5/14/2020

ANSI/NFRC 500-2020, Procedure for Determining Fenestration Product Condensation Index Ratings (new standard): 5/14/2020

Revision

ANSI/NFRC 400-2020, Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2014 (R2017)): 5/14/2020

ANSI/NFRC 100-2020 E0A0, Procedure for Determining Fenestration Product Ufactors (revision of ANSI/NFRC 100-2017 [E0A2]): 5/14/2020

ANSI/NFRC 200-2020 E0A0, Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision and redesignation of ANSI/NFRC 200-2017): 5/14/2020

OPEI (Outdoor Power Equipment Institute)

Revision

ANSI/OPEI Z130.1-2020, (Standard) for Golf Cars - Safety and Performance Specifications (revision and redesignation of ANSI/ILTV Z130.1-2012): 5/15/2020

UL (Underwriters Laboratories)

New National Adoption

ANSI/UL 60335-2-68-2020, Standard for Safety for Household and Similar
Electrical Appliances (national adoption with modifications of IEC 60335-2
-68): 5/8/2020

Revision

ANSI/UL 79-2020, Standard for Safety for Power-Operated Pumps for
Petroleum Dispensing Products (revision of ANSI/UL 79-2019): 5/14/2020

ANSI/UL 79A-2020a, Standard for Safety for Power-Operated Pumps for
Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85
Percent (E0 - E85) (revision of ANSI/UL 79A-2016): 5/14/2020

ANSI/UL 79B-2020a, Standard for Safety for Power-Operated Pumps for
Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel
Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of
ANSI/UL 79B-2020): 5/14/2020

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.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 10993-2-202x, Biological evaluation of medical devices - Part 2: Animal welfare requirements (national adoption of ISO 10993-2 with modifications and revision of ANSI/AAMI/ISO 10993-2-2006 (R2014))

Stakeholders: Medical device manufacturers, toxicologists, regulators, researchers.

Project Need: Revision of standard.

This document specifies the minimum requirements to be satisfied to ensure and demonstrate that proper provision has been made to minimize pain and distress, which can negatively affect the validity of the data. This document is for those who commission, design, and perform testing or evaluate the data to assess the biocompatibility of materials intended for use in medical devices, or that of the medical devices themselves. Makes recommendations and offers guidance intended to facilitate further reductions in the overall number of animals used, refinement of test methods to reduce or eliminate pain or distress in animals, and the replacement of animal tests by other scientifically valid means not requiring animal tests. Applies to tests performed on living vertebrate animals, other than man, to establish the biocompatibility of materials or medical devices.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 10993-10-202x, Biological evaluation of medical devices - Part 10: Tests for skin sensitization (national adoption of ISO 10993-10 with modifications and revision of ANSI/AAMI/ISO 10993-10:2010 (R2014))

Stakeholders: Medical device manufacturers, toxicologists, regulators, researchers.

Project Need: Revise existing standard.

This document specifies the procedure for the assessment of medical devices and their constituent materials with regard to their potential to induce skin sensitization. This document includes:

- details of in vivo sensitization test procedures; and
- key factors for the interpretation of the results.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 10993-23-202x, Biological evaluation of medical devices - Part 23: Tests for irritation (identical national adoption of ISO 10993-23)

Stakeholders: Medical device manufacturers, toxicologists, regulators, researchers.

Project Need: Create a standard for tests for irritation.

This document specifies the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation. The tests are designed to predict and classify the irritation potential of medical devices, materials or their extracts according to ISO 10993-1 and ISO 10993-12. This document includes:

- pre-test considerations for irritation, including in silico and in vitro methods for dermal exposure;
- details of in vitro and in vivo irritation test procedures; and
- key factors for the interpretation of the results.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 10993-7-2008/Amd 1-202x, Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Amendment 1: Applicability of allowable limits for neonates and infants (identical national adoption of ISO 10993-7:2008/Amd 1:2019)

Stakeholders: Medical device manufacturers, toxicologists, regulators.

Project Need: Amend ANSI/AAMI/ISO 10993-7 to address applicability of allowable limits for neonates and infants.

Changes to the document to address applicability of allowable limits for neonates and infants.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 22442-1-202x, Medical devices utilizing animal tissues and their derivatives - Part 1: Application of risk management (national adoption of ISO 22442-1 with modifications and revision of ANSI/AAMI/ISO 22442-1-2016)

Stakeholders: Medical device manufacturers, toxicologists, regulators, researchers.

Project Need: Revise existing standard.

This document applies to medical devices other than in vitro diagnostic medical devices manufactured utilizing materials of animal origin, which are non-viable or have been rendered non-viable. It specifies, in conjunction with ISO 14971, a procedure to identify the hazards and hazardous situations associated with such devices, to estimate and evaluate the resulting risks, to control these risks, and to monitor the effectiveness of that control.

Furthermore, it outlines the decision process for the residual risk acceptability, taking into account the balance of residual risk, as defined in ISO 14971, and expected medical benefit as compared to available alternatives. This document is intended to provide requirements and guidance on risk management related to the hazards typical of medical devices manufactured utilizing animal tissues or derivatives such as: (a) contamination by bacteria, moulds or yeasts; (b) contamination by viruses; (c) contamination by agents causing transmissible spongiform encephalopathies (TSE); and (d) material responsible for undesired pyrogenic, immunological or toxicological reactions. For parasites and other unclassified pathogenic entities, similar principles can apply.

AAMI (Association for the Advancement of Medical Instrumentation)

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

New National Adoption

BSR/AAMI/ISO 22442-2-202x, Medical devices utilizing animal tissues and their derivatives - Part 2: Controls on sourcing, collection and handling (national adoption of ISO 22442-2 with modifications and revision of ANSI/AAMI/ISO 22442-2-2016)

Stakeholders: Medical device manufacturers, toxicologists, regulators, researchers.

Project Need: Revise existing standard.

This document specifies requirements for controls on the sourcing, collection, and handling (which includes storage and transport) of animals and tissues for the manufacture of medical devices utilizing materials of animal origin other than in vitro diagnostic medical devices. It applies where required by the risk management process as described in ISO 22442-1.

ANS (American Nuclear Society)

Contact: Kathryn Murdoch, (708) 579-8268, kmurdoch@ans.org
 555 North Kensington Avenue, La Grange Park, IL 60526 www.ans.org

Revision

BSR/ANS 8.20-202x, Nuclear Criticality Safety Training (revision of ANSI/ANS 8.20-1991 (R2020))

Stakeholders: USDOE, USDOE contractors, USNRC, USNRC licensees, universities, organizations engaged in manufacturing and handling of nuclear fuel, American Nuclear Insurers, and international counterparts.

Project Need: A revised standard is needed to update the appropriate nuclear criticality safety training for fissionable materials operations outside nuclear reactors.

This standard provides criteria for nuclear criticality safety training for operations with fissionable materials outside reactors.

ASA (ASC S3) (Acoustical Society of America)

Contact: Nancy Blair-DeLeon, (516) 576-2341, standards@acousticalsociety.org
 1305 Walt Whitman Road, Suite 300, Melville, NY 11747 www.acousticalsociety.org

Revision

BSR/ASA S3.35-202x, Method of Measurement of Performance Characteristics of Hearing Aids Under Simulated Real-Ear Working Conditions (revision of ANSI/ASA S3.35-2010 (R2015))

Stakeholders: Medical (hearing aids).

Project Need: To add an annex to describe software assistive to the execution of this standard.

This standard describes techniques used to measure hearing aids under simulated conditions of real ear use.

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

Contact: Lauren Bauerschmidt, (847) 768-3475, LBauerschmidt@assp.org
520 N. Northwest Hwy., Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP A10.24-202X, Roofing Safety Requirements for Low-Sloped Roofs (revision and redesignation of ANSI/ASSE A10.24-2014)

Stakeholders: Construction organizations.

Project Need: Based upon the consensus of the ANSI/ASSP A10 ASC and the leadership of ASSP.

This standard establishes safe operating practices for the installation, maintenance, and removal of membrane roofing that is seamed or seamless on low-sloped roofs, which means the roof has a slope that is less than or equal to 4 in 12 (18 degrees). These types of roofs include but are not necessarily limited to: hot and cold built-up roofing, single-ply roofing, spray polyurethane foam (SPF) roofing, liquid-type roofing, and modified bitumens.

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

Contact: Tim Fisher, (847) 768-3411, TFisher@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP A10.38-202X, Basic Elements of an Employer's Program to Provide a Safe and Healthful Work Environment on Construction and Demolition Sites (revision and redesignation of ANSI/ASSE A10.38-2013)

Stakeholders: Occupational safety and health professionals working in the construction and demolition industry.

Project Need: Based upon the consensus of the A10 Committee and safety professionals working with construction and demolition sites.

This standard establishes the minimum elements of a program for protecting the safety and health of employees involved in construction and demolition activities.

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

Contact: Tim Fisher, (847) 768-3411, TFisher@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP A10.47-202X, Work Zone Safety for Highway Construction (revision and redesignation of ANSI/ASSE A10.47-2015)

Stakeholders: Occupational safety and health professionals working in the construction and demolition industry.

Project Need: Based upon the consensus of the A10 Committee and safety professionals working with construction and demolition sites.

This standard covers employees engaged in construction, utility work, and maintenance or repair activities on any area of a highway.

ASSP (Safety) (American Society of Safety Professionals)

Contact: Ovidiu Munteanu, (847) 699-2929, OMunteanu@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP Z359.11-202X, Safety Requirements for Full Body Harnesses (revision and redesignation of ANSI/ASSE Z359.11-2014)

Stakeholders: Occupational safety and health professionals and individuals working, managing, or addressing fall protection and fall arrest.

Project Need: Based upon the consensus of the members of the Z359 Committee and the ASSP leadership.

This standard establishes requirements for the performance, design, marking, qualification, instruction, training, test methods, inspection, use, maintenance, and removal from service of full body harnesses (FBH).

ASSP (Safety) (American Society of Safety Professionals)

Contact: Ovidiu Munteanu, (847) 699-2929, OMunteanu@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP Z359.15-202X, Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest Systems (revision and redesignation of ANSI ASSE Z359.15-2014)

Stakeholders: Occupational safety and health professionals and individuals working, managing, or addressing fall protection and fall arrest.

Project Need: Based upon the consensus of the members of the Z359 Committee and the ASSP leadership.

This standard establishes requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance and storage, and removal from service of single anchor lifelines and fall arresters.

ASSP (Safety) (American Society of Safety Professionals)

Contact: Tim Fisher, (847) 768-3411, TFisher@ASSP.org
520 N. Northwest Highway, Park Ridge, IL 60068 www.assp.org

Revision

BSR/ASSP Z10.0-202X, Occupational Health and Safety Management Systems (revision of ANSI/ASSP Z10.0-2019)

Stakeholders: Occupational safety and health professionals.

Project Need: Based upon the consensus of the Z10 Committee Members.

This standard defines minimum requirements for an occupational health and safety management system (OHSMS).

IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

Contact: Kyle Thompson, (909) 230-5534, standards@iapmostandards.org
5001 East Philadelphia Street, Ontario, CA 91761 <https://www.iapmostandards.org>

Revision

BSR/IAPMO Z601-202x, Scale Reduction Devices (revision of ANSI/IAPMO Z601-2018)

Stakeholders: Manufacturers, users, inspectors, distributors designers, and contractors.

Project Need: Revision to clarify testing water preparation.

This Standard covers scale reduction devices intended for residential and similar water-heating applications and specifies general, material, structural integrity, and testing requirements.

ICC (International Code Council)

Contact: Karl Aittaniemi, (888) 422-7233, kaittaniemi@iccsafe.org
 4051 Flossmoor Road, Country Club Hills, IL 60478 www.iccsafe.org

New Standard

BSR/ICC 1400-202x, Standard for Remote Virtual Inspections (RVI) (new standard)

Stakeholders: Authorities Having Jurisdiction, builders, building owners, design professionals.

Project Need: Technology has provided capabilities to enhance mobile collaboration with respect to remote inspections and construction activities. People in remote locations have the ability to use video conferencing systems and hand-held mobile devices that combine the use of video, audio, and on-screen drawing capabilities broadcasting in real time over secure networks. An AHJ that may be far removed from the inspection site needs a standardized program that addresses how to prepare for and conduct Remote Virtual Inspections.

As an ANSI-accredited SDO, ICC is developing a comprehensive standard to provide guidance to the Authority Having Jurisdiction (AHJ) when implementing Remote Virtual Inspection (RVI) Programs. This standard will specifically address items related to the preparation and conduct of these types of inspections that view and discuss construction activities with others remotely.

INMM (ASC N15) (Institute of Nuclear Materials Management)

Contact: Chino Srinivasan, (630) 252-1985, b.srinivasan@science.doe.gov
 9800 S. Cass Avenue, Argonne, IL 60439 www.inmm.org

Reaffirmation

BSR N15.8-2009 (R202x), Methods of Nuclear Material Control - Material Control Systems - Special Nuclear Material Control and Accounting Systems for Nuclear Power Plants (reaffirmation of ANSI N15.8-2009 (R2015))

Stakeholders: The federal government, licensees of the U.S. Nuclear Regulatory Commission, and contractors of the U.S. Department of Energy.

Project Need: To reaffirm the existing American National Standard regarding Methods of Nuclear Material Control - Material Control Systems - Special Nuclear Material Control and Accounting Systems for Nuclear Power Plants. This standard provides the principle elements of the special nuclear material control and accounting system for nuclear power plants. It sets forth the fundamentals of a special nuclear material control and accounting, including criteria and guidelines for the receipt, internal control, physical inventory, record keeping, and shipment of special nuclear material.

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

Contact: Barbara Bennett, (202) 737-8888, comments@standards.incits.org
 700 K Street NW, Suite 600, Washington, DC 20001 www.incits.org

New Standard

INCITS 573-202x, Information technology - Mid-Level Ontology (MLO) (new standard)

Stakeholders: ICT industry.

Project Need: Needed for data interoperability, data integration, consistent terminology for human-to-human communications, semantic search, and for domain extensions with same needs. CCO is now being used by three organizations who desire a governance process for ongoing revisions.

A mid-level ontology is a set of terms, definitions, and relations commonly used across multiple domains, which will enable conforming extensions for specific domains or applications. A mid-level ontology extends from (and conforms to) a top level ontology. This will be a multi-part standard: Part 1: Requirements of a mid-level ontology, extensions, and profiles, plus terminology; Part 2: Common Core Ontologies (CCO) will be one (of potentially multiple) mid-level ontology conforming to Part 1. It may include one or more profiles (i.e., conforming subsets, such as for a Common User-centric Profile) for easier use of just the given portion. A proposed base document is currently available for this part; Part 3: Cyber Ontology will be a conforming extension of CCO. It will validate CCO can be effectively extended, plus provide an example for other anticipated domain extensions.

UL (Underwriters Laboratories)

Contact: Jennifer Fields, (919) 549-1007, jennifer.fields@ul.org
 12 Laboratory Drive, Research Triangle Park, NC 27709-3995 <https://ul.org/>

New Standard

BSR/UL 4601-202x, Standard for Safety for Evaluation of Autonomous Unmanned Aerial Systems (new standard)

Stakeholders: Autonomous Unmanned Aerial Systems industry.

Project Need: To obtain national recognition of a standard covering safety principles and processes for evaluation of autonomous unmanned aerial systems and their ability to perform their intended function without human intervention or via teleoperation. This project will build upon ANSI/UL 4600 while addressing needs unique to the unmanned aerial systems industry.

This standard covers the safety principles and processes for evaluation of autonomous unmanned aerial systems, specifically their ability to perform their intended function either without human intervention or via teleoperation. The standard also covers the reliability of hardware and software necessary for machine learning, sensing of the operating environment, and other safety aspects of autonomy.

UL (Underwriters Laboratories)

Contact: Mitchell Gold, (847) 664-2850, mitchell.gold@ul.org
333 Pfingsten Road, Northbrook, IL 60062-2096 <https://ul.org/>

New Standard

BSR/UL 1976-202x, Standard for Safety for Crimp Tools for Use with Connecting Devices (new standard)

Stakeholders: Manufacturers of grounding and bonding equipment, electrical quick connect terminals, wire connectors and adapters, and ferrules, members of the supply chain of this equipment, the electrical industry, and AHJs.

Project Need: The new standard will allow connecting device manufacturers input into the tools being used to terminate their devices, ensuring that proper crimps and termination pressure are used for the various conductors certified for the termination devices.

These requirements cover crimp tools that have been evaluated for use with the following types of specified connecting devices: (a) Grounding and bonding equipment; (b) Electrical quick-connect terminals; (c) Wire connectors; (d) Wire-connector adapters; and (e) Ferrules. These specified connecting devices comply with the requirements in the Standard for Grounding and Bonding Equipment, UL 467; the Standard for Electrical Quick-Connect Terminals, UL 310; the Standard for Wire Connectors, UL 486A-486B; the Standard for Splicing Wire Connectors, UL 486C; or the Standard for Bare and Covered Ferrules, UL 486F.

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 (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)**

To obtain additional information with regard to these standards, including contact information at the ANSI Accredited Standards Developer, please visit ANSI Online at www.ansi.org/asd, select "American National Standards Maintained Under Continuous Maintenance." Questions? psa@ansi.org.

ANSI-Accredited Standards Developers Contact Information

The addresses listed in this section are to be used in conjunction with standards listed in PINS, Call for Comment and Final Actions. This section is a list of developers who have submitted standards for this issue of *Standards Action* – it is not intended to be a list of all ANSI-Accredited Standards Developers. Please send all address corrections to Standards Action Editor at standact@ansi.org.

AAFS

American Academy of Forensic Sciences
410 North 21st Street
Colorado Springs, CO 80904
Phone: (719) 453-1036
Web: www.aafs.org

AAMI

Association for the Advancement of Medical Instrumentation
901 N. Glebe Road, Suite 300
Arlington, VA 22203
Phone: (703) 253-8261
Web: www.aami.org

AHAM

Association of Home Appliance Manufacturers
1111 19th Street N.W.
Suite 402
Washington, DC 20036
Phone: (202) 872-5955
Web: www.aham.org

AHRI

Air-Conditioning, Heating, and Refrigeration Institute
2311 Wilson Boulevard
Suite 400
Arlington, VA 22201-3001
Phone: (703) 293-4887
Web: www.ahrinet.org

ANS

American Nuclear Society
555 North Kensington Avenue
La Grange Park, IL 60526
Phone: (708) 579-8268
Web: www.ans.org

ASA (ASC S1)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (516) 576-2341
Web: www.acousticalsociety.org

ASA (ASC S3)

Acoustical Society of America
1305 Walt Whitman Road
Suite 300
Melville, NY 11747
Phone: (516) 576-2341
Web: www.acousticalsociety.org

ASABE

American Society of Agricultural and Biological Engineers
2950 Niles Road
Saint Joseph, MI 49085
Phone: (269) 932-7015
Web: <https://www.asabe.org/>

ASC X9

Accredited Standards Committee X9, Incorporated
275 West Street
Suite 107
Annapolis, MD 21401
Phone: (410) 267-7707
Web: www.x9.org

ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE
Atlanta, GA 30329
Phone: (678) 539-2114
Web: www.ashrae.org

ASME

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

ASSP (ASC A10)

American Society of Safety Professionals
520 N. Northwest Hwy.
Park Ridge, IL 60068
Phone: (847) 768-3475
Web: www.assp.org

ASSP (Safety)

American Society of Safety Professionals
520 N. Northwest Highway
Park Ridge, IL 60068
Phone: (847) 768-3411
Web: www.assp.org

ASTM

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

AWS

American Welding Society
8669 Doral Blvd
Suite 130
Doral, FL 33166
Phone: (800) 443-9353
Web: www.aws.org

AWWA

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

B11

B11 Standards, Inc.
PO Box 690905
Houston, TX 77269-0905
Phone: (832) 446-6999
Web: <https://www.b11standards.org/>

BIFMA

Business and Institutional
Furniture Manufacturers
Association
678 Front Ave. NW
Grand Rapids, MI 49504
Phone: (616) 591-9798
Web: www.bifma.org

ECIA

Electronic Components Industry
Association
13873 Park Center Road
Suite 315
Herndon, VA 20171
Phone: (571) 323-0294
Web: www.ecianow.org

HL7

Health Level Seven
3300 Washtenaw Avenue
Suite 227
Ann Arbor, MI 48104
Phone: (313) 550-2073
Web: www.hl7.org

IAPMO (ASSE Chapter)

ASSE International Chapter of
IAPMO
18927 Hickory Creek Drive
Suite 220
Mokena, IL 60448
Phone: (708) 995-3017
Web: www.asse-plumbing.org

IAPMO (Z)

International Association of
Plumbing & Mechanical Officials
5001 East Philadelphia Street
Ontario, CA 91761
Phone: (909) 230-5534
Web: <https://www.iapmostandards.org>

ICC

International Code Council
4051 Flossmoor Road
Country Club Hills, IL 60478
Phone: (888) 422-7233
Web: www.iccsafe.org

IEEE

Institute of Electrical and
Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854
Phone: (732) 562-3854
Web: www.ieee.org

IKECA

International Kitchen Exhaust
Cleaning Association
2331 Rock Spring Road
Forest Hill, MD 21050
Phone: (410) 417-5234
Web: www.ikeca.org

INMM (ASC N14)

Institute of Nuclear Materials
Management
P.O. Box 2008, MS 6495
Oak Ridge National Laboratory
Oak Ridge, TN 37831-6495
Phone: (209) 627-5473
Web: www.inmm.org

INMM (ASC N15)

Institute of Nuclear Materials
Management
9800 S. Cass Avenue
Argonne, IL 60439
Phone: (630) 252-1985
Web: www.inmm.org

ITI (INCITS)

InterNational Committee for
Information Technology
Standards
700 K Street NW
Suite 600
Washington, DC 20001
Phone: (202) 737-8888
Web: www.incits.org

ITSDF

Industrial Truck Standards
Development Foundation, Inc.
1750 K Street NW
Suite 460
Washington, DC 20006
Phone: (202) 296-9880
Web: www.indtrk.org

MSS

Manufacturers Standardization
Society
127 Park Street, NE
Vienna, VA 22180-4602
Phone: (703) 281-6613
Web: www.mss-hq.org

NECA

National Electrical Contractors
Association
3 Bethesda Metro Center
Suite 1100
Bethesda, MD 20814
Phone: (240) 800-5003
Web: www.neca-neis.org

NFRC

National Fenestration Rating
Council
6305 Ivy Lane
Suite 140
Greenbelt, MD 20770
Phone: (301) 589-1776
Web: www.nfrc.org

NSF

NSF International
789 N. Dixboro Road
Ann Arbor, MI 48105-9723
Phone: (734) 418-6660
Web: www.nsf.org

OPEI

Outdoor Power Equipment
Institute
1605 King Street
Alexandria, VA 22314
Phone: (703) 549-7600
Web: www.opei.org

SCTE

Society of Cable
Telecommunications Engineers
140 Philips Rd
Exton, PA 19341
Phone: (800) 542-5040
Web: www.scte.org

SDI (Canvass)

Steel Deck Institute
PO Box 426
Glenshaw, PA 15116
Phone: (412) 487-3325
Web: www.sdi.org

TIA

Telecommunications Industry
Association
1320 North Courthouse Road
Suite 200
Arlington, VA 22201
Phone: (703) 907-7706
Web: www.tiaonline.org

UL

Underwriters Laboratories
333 Pfingsten Road
Northbrook, IL 60062-2096
Phone: (847) 664-2850
Web: <https://ul.org/>



ISO & IEC Draft International Standards

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

Comments

Comments regarding ISO documents should be sent to ANSI's ISO Team (isot@ansi.org); comments on 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

BUILDING CONSTRUCTION MACHINERY AND EQUIPMENT (TC 195)

ISO/DIS 20500-1, Mobile road construction machinery - Safety - Part 1: Common requirements - 8/3/2020, \$146.00

ISO/DIS 20500-2, Mobile road construction machinery - Safety - Part 2: Specific requirements for road-milling machines - 8/3/2020, \$125.00

ISO/DIS 20500-3, Mobile road construction machinery - Safety - Part 3: Specific requirements for soil-stabilising machines and recycling machines - 8/3/2020, \$93.00

ISO/DIS 20500-4, Mobile road construction machinery - Safety - Part 4: Specific requirements for compaction machines - 8/3/2020, \$112.00

ISO/DIS 20500-5, Mobile road construction machinery - Safety - Part 5: Mobile Specific requirements for paver-finishers - 8/3/2020, \$125.00

ISO/DIS 20500-6, Mobile road construction machinery - Safety - Part 6: Specific requirements for mobile feeders - 8/3/2020, \$88.00

ISO/DIS 20500-7, Mobile road construction machinery - Safety - Part 7: Specific requirements for slipform paver and texture curing machines - 8/3/2020, \$88.00

COLLABORATIVE BUSINESS RELATIONSHIP MANAGEMENT -- FRAMEWORK (TC 286)

ISO/DIS 44003, Guidelines for micro, small and medium-sized enterprises on the implementation of the principles of collaborative business relationship management - 7/31/2020, \$71.00

FLUID POWER SYSTEMS (TC 131)

ISO/DIS 23369, Hydraulic fluid power - Multi-pass method of evaluating filtration performance of a filter element under cyclic flow conditions - 8/1/2020, FREE

GEOGRAPHIC INFORMATION/GEOMATICS (TC 211)

ISO 19135-1/DAmD1, Geographic information - Procedures for item registration - Part 1: Fundamentals - Amendment 1 - 8/3/2020, \$40.00

GEOTECHNICS (TC 182)

ISO/DIS 22476-4, Geotechnical investigation and testing - Field testing - Part 4: Prebored pressuremeter test by Ménard procedure - 7/30/2020, \$125.00

PLASTICS (TC 61)

ISO/DIS 11403-1, Plastics - Acquisition and presentation of comparable multipoint data - Part 1: Mechanical properties - 7/30/2020, \$58.00

ISO/DIS 11403-3, Plastics - Acquisition and presentation of comparable multipoint data - Part 3: Environmental influences on properties - 7/30/2020, \$62.00

ROAD VEHICLES (TC 22)

ISO 15501-1/DAmD1, Road vehicles - Compressed natural gas (CNG) fuel systems - Part 1: Safety requirements - Amendment 1 - 8/3/2020, \$29.00

ISO 19723-1/DAmD1, Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 1: Safety requirements - Amendment 1 - 8/3/2020, \$29.00

ISO/DIS 18541-1, Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 1: General information and use case definition - 7/30/2020, \$107.00

ISO/DIS 18541-2, Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 2: Technical requirements - 7/30/2020, \$107.00

ISO/DIS 18541-3, Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 3: Functional user interface requirements - 7/30/2020, \$62.00

ISO/DIS 18541-4, Road vehicles - Standardized access to automotive repair and maintenance information (RMI) - Part 4: Conformance test - 7/30/2020, \$155.00

RUBBER AND RUBBER PRODUCTS (TC 45)

ISO/DIS 6452, Rubber- or plastics-coated fabrics - Determination of fogging characteristics of trim materials in the interior of automobiles - 7/31/2020, \$62.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

ISO/DIS 23040, Marine environment impact assessment (MEIA) - Specification for marine sediments in seabed areas - Sediment interstitial biota survey - 7/31/2020, FREE

SOLAR ENERGY (TC 180)

ISO/DIS 9488, Solar energy - Vocabulary - 8/1/2020, \$88.00

TIMBER STRUCTURES (TC 165)

ISO/DIS 22156, Bamboo - Structural design - 7/30/2020, \$119.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 26580, Software and systems engineering - Methods and tools for the feature-based approach to software and systems product line engineering - 7/31/2020, \$119.00

ISO/IEC FDIS 23008-2/DAMd2, Information technology - High efficiency coding and media delivery in heterogeneous environments - Part 2: High efficiency video coding - Amendment 2: Main 10 still picture profile - 8/3/2020, \$46.00

ISO/IEC/IEEE DIS 29119-2, Software and systems engineering - Software testing - Part 2: Test processes - 7/12/2020, \$119.00

ISO/IEC/IEEE DIS 29119-3, Software and systems engineering - Software testing - Part 3: Test documentation - 7/12/2020, \$146.00

ISO/IEC/IEEE DIS 29119-4, Software and systems engineering - Software testing - Part 4: Test techniques - 8/3/2020, \$175.00

IEC Standards

3/1446/CD, IEC 60152 ED2: Identification by hour numbers of the phase conductors of 3-phase electric systems, 020/8/7/

21/1056/FDIS, IEC 63193 ED1: Lead-acid batteries for propulsion power of lightweight vehicles - General requirements and methods of test, 2020/6/26

23A/903(F)/FDIS, IEC 61534-1/AMD2 ED2: Amendment 2 - Powertrack systems - Part 1: General requirements, 020/6/5/

32C/586/FDIS, IEC 60127-3/AMD1 ED3: Miniature fuses - Part 3: Sub-miniature fuse-links, 2020/6/26

34/698/FDIS, IEC 63103 ED1: Lighting equipment - Non-active mode power measurement, 2020/6/26

34D/1546/FDIS, IEC 60598-1 ED9: Luminaires - Part 1: General requirements and tests, 2020/6/26

37B/221/CD, IEC 61643-332 ED1: Components for low-voltage surge protection - Part 332: Selection and application principles for metal oxide varistors (MOV), 020/8/7/

45A/1322/CDV, IEC/IEEE 63113 ED1: Nuclear facilities - Instrumentation important to safety - Spent fuel pool instrumentation, 020/8/7/

45B/967/CD, IEC 62618 ED2: Radiation protection instrumentation - Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material, 020/8/7/

47/2631/FDIS, IEC 60749-41 ED1: Semiconductor devices - Mechanical and climatic test methods - Part 41: Standard reliability testing methods of non-volatile memory devices, 2020/6/26

48B/2814/FDIS, IEC 61076-2-114 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 2-114: Circular connectors - Detail specification for connectors with M8 screw-locking with power contacts and signal contacts for data transmission up to 100 MHz, 2020/6/26

48B/2813/FDIS, Connectors for electrical and electronic equipment - Product Requirements - Part 2-012: Circular connectors - Detail specification for connectors with inner push-pull locking based on M12 connector interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113, 2020/6/26

59/734/CD, IEC TR 63250 ED1: Household electrical appliances - Method of measuring performance - Assessment of repeatability, reproducibility and uncertainty, 020/8/7/

62A/1391(F)/FDIS, IEC 60601-1-6/AMD2 ED3: Amendment 2 - Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability, 020/6/5/

62A/1393(F)/FDIS, IEC 60601-1-9/AMD2 ED1: Amendment 2 - Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design, 020/6/5/

62A/1395(F)/FDIS, IEC 60601-1-11/AMD1 ED2: 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, 020/6/5/

62D/1763/FDIS, IEC 60601-2-20 ED3: Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators, 2020/6/26

76/653/CD, IEC TS 60825-19 ED1: Safety of laser products - Part 19: Moving Platform Laser Products, 020/8/7/

76/654/DTR, IEC TR 62471-4 ED1: Photobiological Safety of Lamps and Lamp Systems - Part 4: Measuring Methods, 2020/7/10

76/655/CD, IEC 60825-12 ED3: Safety of laser products - Part 12: Safety of free space optical communication systems used for transmission of information, 2020/7/10

77A/1075/CDV, IEC 61000-3-3/AMD2 ED3: Amendment 2 - Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection, 020/8/7/

80/958/CDV, IEC 61924-2 ED2: Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results, 020/8/7/

- 86B/4298/CD, IEC 61753-111-9 ED2: Fibre optic interconnecting devices and passive components performance standard - Part 111-9: Sealed closures for category S - Subterranean, 020/8/7/
- 86B/4297/CD, IEC 61753-111-7 ED2: Fibre optic interconnecting devices and passive components performance standard - Part 111-7: Sealed closures for category A - Aerial, 020/8/7/
- 86C/1666(F)/FDIS, IEC 62149-3 ED3: Fibre optic active components and devices - Performance standards - Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems, 2020/6/12
- 100/3442/DTR, IEC TR 63289 ED1: Conceptual model for TC 100 standardization on multimedia cyber technology, 2020/7/10
- 100/3414/CDV, IEC 63246-1 ED1: Configurable Car Infotainment Service(CCIS): Part 1 - General (TA 17), 020/8/7/
- 113/546/NP, PNW TS 113-546 ED1: Nanomanufacturing - Key control characteristics - Part 6-8: Graphene material - Sheet resistance: In-line four-point probe, 020/8/7/
- 113/544/CD, IEC TS 62607-6-10: Nanomanufacturing - Key control characteristics - Part 6-10: Graphene film - Sheet resistance: Terahertz time-domain spectroscopy, 2020/7/10
- 113/545/NP, PNW TS 113-545: Nanomanufacturing - Key control characteristics - Part 6-7: Graphene material - Sheet resistance: van der Pauw method, 020/8/7/
- 117/117(F)/CDV, IEC 62862-3-1 ED1: Solar thermal electric plants - Part 3-1: General requirements for the design of parabolic trough solar thermal electric plants, 2020/7/31
- 117/118(F)/CDV, IEC 62862-4-1 ED1: Solar thermal electric plants - Part 4-1: General requirements for the design of solar tower plants, 2020/7/31
- JTC1-SC41/154/CDV, ISO/IEC 30163 ED1: Internet of Things (IoT) - System requirements of IoT/SN technology-based integrated platform for chattel asset monitoring, 020/8/7/



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 23613:2020](#), Information technology - Cloud computing - Cloud service metering elements and billing modes, \$68.00

AGRICULTURAL FOOD PRODUCTS (TC 34)

[ISO 11133/Amd2:2020](#), Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media - Amendment 2, \$19.00

AIR QUALITY (TC 146)

[ISO 4225:2020](#), Air quality - General aspects - Vocabulary, \$45.00

CORROSION OF METALS AND ALLOYS (TC 156)

[ISO 21062:2020](#), Corrosion of metals and alloys - Determination of the corrosion rates of embedded steel reinforcement in concrete exposed to simulated marine environments, \$68.00

[ISO 7539-10:2020](#), Corrosion of metals and alloys - Stress corrosion testing - Part 10: Reverse U-bend method, \$103.00

DIMENSIONAL AND GEOMETRICAL PRODUCT SPECIFICATIONS AND VERIFICATION (TC 213)

[ISO 13385-2:2020](#), Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Design and metrological characteristics of calliper depth gauges, \$103.00

FERTILIZERS AND SOIL CONDITIONERS (TC 134)

[ISO 20978:2020](#), Liming material - Determination of neutralizing value - Titrimetric methods, \$103.00

FINE CERAMICS (TC 206)

[ISO 23458:2020](#), Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for determining thermal expansion coefficient and residual stress of CVD ceramic coatings, \$68.00

FLOOR COVERINGS (TC 219)

[ISO 2551:2020](#), Textile floor coverings and textile floor coverings in tile form - Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane, \$45.00

FLUID POWER SYSTEMS (TC 131)

[ISO 23309:2020](#), Hydraulic fluid power systems - Assembled systems - Methods of cleaning lines by flushing, \$103.00

[ISO 9110-1:2020](#), Hydraulic fluid power - Measurement techniques - Part 1: General measurement principles, \$138.00

[ISO 9110-2:2020](#), Hydraulic fluid power - Measurement techniques - Part 2: Measurement of average steady-state pressure in a closed conduit, \$68.00

IMPLANTS FOR SURGERY (TC 150)

[ISO 14708-5:2020](#), Implants for surgery - Active implantable medical devices - Part 5: Circulatory support devices, \$209.00

INDUSTRIAL TRUCKS (TC 110)

[ISO 21262:2020](#), Industrial trucks - Safety rules for application, operation and maintenance, \$162.00

LEATHER (TC 120)

[ISO 22244:2020](#), Leather - Raw hides - Guidelines for preservation of hides, \$45.00

[ISO 22284:2020](#), Leather - Raw skins - Guidelines for preservation of goat and sheep skins, \$45.00

MACHINE TOOLS (TC 39)

[ISO 19085-13:2020](#), Woodworking machines - Safety - Part 13: Multi-blade rip sawing machines with manual loading and/or unloading, \$185.00

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

[ISO 29001:2020](#), Petroleum, petrochemical and natural gas industries - Sector-specific quality management systems - Requirements for product and service supply organizations, \$209.00

PAINTS AND VARNISHES (TC 35)

[ISO 15528:2020](#), Paints, varnishes and raw materials for paints and varnishes - Sampling, \$103.00

PETROLEUM PRODUCTS AND LUBRICANTS (TC 28)

[ISO 2137:2020](#), Petroleum products and lubricants - Determination of cone penetration of lubricating greases and petrolatum, \$138.00

PLAIN BEARINGS (TC 123)

[ISO 3547-5:2020](#), Plain bearings - Wrapped bushes - Part 5: Checking the outside diameter, \$103.00

PLASTICS (TC 61)

[ISO 179-2:2020](#), Plastics - Determination of Charpy impact properties - Part 2: Instrumented impact test, \$138.00

[ISO 24023-1:2020](#), Plastics - Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$45.00

[ISO 24023-2:2020](#), Plastics - Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$45.00

[ISO 24025-1:2020](#), Plastics - Sulfone polymer moulding and extrusion materials - Part 1: Designation system and basis for specifications, \$68.00

[ISO 24025-2:2020](#), Plastics - Sulfone polymer moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties, \$45.00

[ISO 26842-1:2020](#), Adhesives - Test methods for the evaluation and selection of adhesives for indoor wood products - Part 1: Resistance to delamination in non-severe environments, \$68.00

[ISO 26842-2:2020](#), Adhesives - Test methods for the evaluation and selection of adhesives for indoor wood products - Part 2: Resistance to delamination in severe environments, \$68.00

SHIPS AND MARINE TECHNOLOGY (TC 8)

[ISO 22098:2020](#), Ships and marine technology - Full-scale test method for propeller cavitation observation and hull pressure measurement, \$68.00

TRACTORS AND MACHINERY FOR AGRICULTURE AND FORESTRY (TC 23)

[ISO 10726:2020](#), Portable chain-saws - Chain catcher - Dimensions and mechanical strength, \$45.00

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

[ISO 8871-2:2020](#), Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 2: Identification and characterization, \$138.00

TRANSPORT INFORMATION AND CONTROL SYSTEMS (TC 204)

[ISO 13185-4:2020](#), Intelligent transport systems - Vehicle interface for provisioning and support of ITS Services - Part 4: Unified vehicle interface protocol (UVIP) conformance test specification, \$185.00

WATER RE-USE (TC 282)

[ISO 22449-2:2020](#), Use of reclaimed water in industrial cooling systems - Part 2: Guidelines for cost analysis, \$103.00

WELDING AND ALLIED PROCESSES (TC 44)

[ISO 10863:2020](#), Non-destructive testing of welds - Ultrasonic testing - Use of time-of-flight diffraction technique (TOFD), \$185.00

ISO Technical Reports

HEALTH INFORMATICS (TC 215)

[ISO/TR 22696:2020](#), Health informatics - Guidance on the identification and authentication of connectable Personal Healthcare Devices (PHDs), \$103.00

ROLLING BEARINGS (TC 4)

[ISO/TR 20051:2020](#), Spherical plain bearings - Derivation of the load rating factors, \$103.00

ISO/IEC JTC 1, Information Technology

[ISO/IEC 10779:2020](#), Information technology - Office equipment - Accessibility guidelines for older persons and persons with disabilities, \$138.00

IEC Standards

ELECTRIC CABLES (TC 20)

[IEC 60840 Ed. 5.0 b:2020](#), Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) - Test methods and requirements, \$352.00

[S+ IEC 60840 Ed. 5.0 en:2020 \(Redline version\)](#), Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) - Test methods and requirements, \$457.00

FLAT PANEL DISPLAY DEVICES (TC 110)

[IEC 60100 Amd.1 Ed. 2.0 b:1969](#), Amendment 1 - Methods for the measurement of direct interelectrode capacitances of electronic tubes and valves, \$12.00

Proposed Foreign Government Regulations

Call for Comment

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

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

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

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

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

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

Information Concerning

American National Standards

Call for Members

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially affected parties in accordance with INCITS membership rules. To find out more about participating on the INCITS Executive Board, contact Jennifer Garner at jgarner@itic.org or visit <http://www.incits.org/participation/membership-info> for more information.

Membership in all interest categories is always welcome; however, the INCITS Executive Board seeks to broaden its membership base in the following categories:

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

Society of Cable Telecommunications

ANSI Accredited Standards Developer

SCTE, an ANSI-accredited SDO, is the primary organization for the creation and maintenance of standards for the cable telecommunications industry. SCTE's standards mission is to develop standards that meet the needs of cable system operators, content providers, network and customer premises equipment manufacturers, and all others who have an interest in the industry through a fair, balanced and transparent process.

SCTE is currently seeking to broaden the membership base of its consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities.

Membership in the SCTE Standards Program is open to all directly a materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

ANSI Accredited Standards Developers

Approval of Reaccreditation

World Millwork Alliance (WMA)

The reaccreditation of the World Millwork Alliance (WMA), an ANSI member and Accredited Standards Developer (ASD), has been approved at the direction of ANSI's Executive Standards Council, under its recently revised operating procedures for documenting consensus on WMA-sponsored American National Standards, effective May 18, 2020. For additional information, please contact: Ms. Jessica Ferris, Director of Codes and Standards, World Millwork Alliance, 10047 Robert Trent Jones Parkway, New Port Richey, FL 34655; phone: 904.687.9505; e-mail: jferris@amdweb.com

Reaccreditation

International Safe Transit Association (ISTA)

Comment Deadline: June 22, 2020

The International Safe Transit Association (ISTA), an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on ISTA-sponsored American National Standards, under which it was originally accredited in 2014. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Eric Hiser, Vice-President, Standards & Certification, International Safe Transit Association, 1400 Abbott Road, Suite 160, East Lansing, MI 48823; phone: 517.324.5055; e-mail: ehiser@ista.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to ISTA by June 22, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompson@ANSI.org).

PMMI – The Association for Packaging and Processing Technologies

Comment Deadline: June 22, 2020

The PMMI – The Association for Packaging and Processing Technologies, an ANSI member and Accredited Standards Developer, has submitted revisions to its currently accredited operating procedures for documenting consensus on PMMI-sponsored American National Standards, under which it was last reaccredited in 2018. As the current revisions appear to be substantive in nature, the reaccreditation process is initiated.

To obtain a copy of the revised procedures or to offer comments, please contact: Mr. Fred Hayes, PMMI – the Association for Packaging and Processing Technologies, 12930 Worldgate Drive, Suite 200, Herndon, VA 20170-6037; phone: 269.781.6567; e-mail: fhayes@pmmi.org or fred@hayes2c.com. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to PMMI by June 22, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (jthompso@ANSI.org).

Revised Operating Procedures

American Institute of Aeronautics and Astronautics (AIAA)

Comment Deadline: June 22, 2020

The American Institute of Aeronautics and Astronautics (AIAA), an ANSI member and Accredited Standards Developer (ASD), has submitted additional revisions to its currently accredited operating procedures for documenting consensus on AIAA-sponsored American National Standards, which was last reaccredited in 2016. These additional changes were made in response to comments received during the public review of the last submitted version of the revised procedures, previously announced in the August 16, 2019 edition of Standards Action.

To obtain a copy of the revised procedures or to offer comments, please contact: Ms. Hillary Woehrle, Manager, Standards, American Institute of Aeronautics and Astronautics, 12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807; phone: 800.639.2422; e-mail: HillaryW@aiaa.org. You may view/download a copy of the revisions during the public review period at the following URL: www.ansi.org/accredPR. Please submit any public comments on the revised procedures to AIAA by June 22, 2020, with a copy to the ExSC Recording Secretary in ANSI's New York Office (E-mail: jthompso@ANSI.org).

International Organization for Standardization (ISO)

Call for International (ISO) Secretariat

ISO/TC 71 – Concrete, reinforced concrete and pre-stressed concrete

Comment Deadline: June 5, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 71 – Concrete, reinforced concrete and pre-stressed concrete. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 71 to the American Concrete Institute (ACI). ACI International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 71 operates under the following scope:

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

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 71. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 71 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by June 5, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

ISO/TC 71/SC 4 – Performance requirements for structural concrete

Comment Deadline: June 5, 2020

Currently, the U.S. holds a leadership position as Secretariat of ISO/TC 71/SC 4 – Performance requirements for structural concrete. ANSI has delegated the responsibility for the administration of the Secretariat for ISO/TC 71/SC 4 to the American Concrete Institute (ACI). ACI International has advised ANSI of its intent to relinquish its role as delegated Secretariat for this committee.

ISO/TC 71/SC 4 operates in the area of “Performance requirements for structural concrete” under the scope of ISO/TC 71:

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

ANSI is seeking organizations in the U.S. that may be interested in assuming the role of delegated Secretariat for ISO/TC 71/SC 4. Alternatively, ANSI may be assigned the responsibility for administering an ISO Secretariat. Any request that ANSI accept the direct administration of an ISO Secretariat shall demonstrate that:

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

If no U.S. organization steps forward to assume the ISO/TC 71/SC 4 Secretariat, or if there is insufficient support for ANSI to assume direct administration of this activity by June 5, then ANSI will inform the ISO Central Secretariat that the U.S. will relinquish its leadership of the committee. This will allow ISO to solicit offers from other countries interested in assuming the Secretariat role.

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

ISO New Work Item Proposal

Managing Risk for Youth and School Trips

Comment Deadline: June 5, 2020

COPOLCO, the ISO Policy Advisory Committee on Consumer Issues, and SCC, has submitted to ISO a proposal for new work item proposal for the development of an ISO standard on Managing risk for youth and school trips, with the following scope statement:

We envision a new ISO standard which will provide guidance for managing risk for youth (in particular, minors due to their particular vulnerabilities) and school trips for both domestic and international travel. The standard will gather best practices to address typical risks for this sector such as behavioral breaches and carelessness of students, weather-related problems, requirements for those with special needs (such as travelers with disabilities), technical elements such as mechanical failures of equipment, etc. The standard will benefit both the travelers themselves and the organizations that serve them by covering:

- Safety and security of groups of young people travelling (specifically but not limited to school groups);
- Risk management for organizations such as school boards, tourist attractions, tour operators, service providers, and recreational activities, etc.

NOTE: This proposed standard will not include how to organize such trips and it will not be limited to adventure travel.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

ISO Proposal for a New Field of ISO Technical Activity

Child Care Articles

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on Child care articles, with the following scope statement:

Standardization of horizontal requirements of any product designed or obviously intended to safely ensure and facilitate seating, bathing, changing and general body care, feeding, sleeping, transportation and protection for young children. Standardization of all products related to child care for which no other Technical Committee exists. The main focus is for products intended for children up to 4 years old.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

Social Responsibility

Comment Deadline: June 5, 2020

AFNOR, the ISO member body for France, has submitted to ISO a proposal for a new field of ISO technical activity on social Responsibility, with the following scope statement:

Standardization in the field of Social Responsibility to provide guidance and framework to all types of organizations, regardless of their size, activity or location. It allows organizations to challenge their own practices, define their corporate social responsibility and thus devise strategies to enhance their contribution to sustainable development.

Anyone wishing to review the proposal can request a copy by contacting ANSI's ISO Team (isot@ansi.org), with a submission of comments to Steve Cornish (scornish@ansi.org) by close of business on Friday, June 5, 2020.

Meeting Notices

ANSI Accredited Standards Committee R15.08 – Industrial Mobile Robot Safety

Meeting Format & Location: Remote via GoToMeeting

Purpose: Comment resolution for R15.08, Part 1, Safety requirements for industrial mobile robots; to resolve comments received during official balloting and public comment.

Day/Date/Time: The meeting will be held in two sessions, 2 hours each. To be held:

Monday, 7/13/20, 9 – 11 AM ET (6 – 8 AM PT)

Wednesday, 7/15/20, 9 – 11 AM ET (6 – 8 AM PT)

For more information: Contact Carole Franklin, cfranklin@robotics.org.

Committee A10

The American Society of Safety Professionals (ASSP) serves as the secretariat of the A10 Committee for Construction and Demolition Operations. The next meeting of the A10 Committee will be held virtually on July 21, 2020. The meeting will start at approximately 12:30 p.m. and go to conclusion. There will also be a Membership Subgroup Meeting held earlier that morning at 8:00 a.m. and a meeting of the liaisons and subgroup leadership teams that morning also at 9:30 a.m. Committee A10 will have RSVP information out in the future but this is notice so you have adequate time for planning. If you are interested in attending, please contact Tim Fisher (847) 768-3411, tfisher@asse.org.

Information Concerning

American National Standards

Call for Members

AAMI/ISO Standards

Comment Deadline: June 1, 2020

AAMI (www.aami.org) is actively seeking participation in the following standards development work and in the interest categories specified:

AAMI/ISO 8637-1, *Extracorporeal systems for blood purification series, Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators*. Specifies requirements for haemodialysers, haemodiafilters, haemofilters and haemoconcentrators, for use in humans. Seeking industry/general interest/regulator members. To apply or obtain additional information, please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-2, *Extracorporeal systems for blood purification, Part 2: Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters*. Specifies requirements for the blood circuit for devices used in extracorporeal blood filtration therapies such as, but not limited to, haemodialysis, haemodiafiltration, haemofiltration and transducer protectors (integral and non-integral) intended for use in such circuits. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.

AAMI/ISO 8637-3, *Extracorporeal systems for blood purification, Part 3: Plasmafilters*. Specifies requirements and acceptance criteria (including test methods) for safety related parameters for plasmafilters. Specifies requirements for sterile, single-use plasmafilters, intended for use on humans. Seeking industry/general interest/regulator members. To apply or obtain additional information please contact Cliff Bernier at cbernier@aami.org by June 1, 2020.



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

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

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

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

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

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

Limited Substantive Changes to AHRI Standard 1330-2015 *Performance Rating for Radiant Output of Gas Fired Infrared Heaters*

Changes in ~~strikethrough~~ / underline format

- Section C3.1: Requirement removed: “~~General Radiometer Requirements. For the measurements, a radiometer obtained from the manufacturer listed in Section D6 shall be used. Furthermore, Appendix D includes the construction drawings and technical specification of the sensor. The radiation sensor must have a constant sensitivity in the wavelength range of 0.8 μm to 40 μm . Only radiometers with a regulated thermostatically water-cooled measuring head and with nitrogen purging of the measuring chamber may be used. The radiometer must be calibrated in accordance to the requirements of Appendix D. The validity of the calibration at the time of the measurement must be proved following Section D5.1.~~”
- New requirement added: “C3.1 Radiometer Equipment. The radiometer designed in conjunction with the method of test (Method B) EN 416-2 and EN 419-2 shall be used. Appendix D provides a source. Note: Additional information on radiometer equipment may be obtained from Appendix E.”
- New requirement added: “C3.1.1 Chopper Frequency. The chopper frequency, with which the chopper wheel interrupts the reception of the radiation, shall be adjusted to match the calibration frequency of the radiometer. It shall remain constant during the test. The chopper frequency shall avoid the same frequency as the electrical supply frequency to the data acquisition equipment, for example, 50Hz or 60Hz.”
- New requirement added: “C3.1.2 Radiometer Insulation. A round radiation shield of insulating material with an outer diameter of 300 mm shall be placed flush to the head of the radiometer. The radiation shield shall be a minimum of 5 mm thick with a thermal conductivity $<0.05 \text{ W/m-K}$.”
- New requirement added: “C3.1.2 Radiometer Calibration. The radiometer shall be calibrated by an ISO 17025:2005 accredited testing/calibration laboratory. Note the calibration procedure is described in Appendix E, Section E6 for reference.”
- New requirement added: “C3.1.2.1 Validity of Radiometer Calibration. The calibration shall be approved, if:
 - C3.1.2.1.1 The time interval between measurement and the date of calibration is less than 3 months; or

- C3.1.2.1.2 The accredited testing/calibration laboratory will provide the results of the calibration in the form of a calibration factor consisting of a constant (a) and offset (b); or
- C3.1.2.1.3 There is evidence that the change in radiant output $Q_{(R)M}$ (W) or voltage (V) shall not deviate more than 4% for a known radiant heat source. The irradiance of a non-adjustable controlled radiant heat source shall be immediately benchmarked following the radiometer calibration.”
- Section C4.1: Requirement deleted “~~Vented infrared heaters shall be set up with the minimum vent length and venting system specified in the manufacturer’s installation instructions.~~”
- Section C4.3: Requirement revised: “~~The sensor temperature shall be checked before and after measurements are taken and, the temperature of the cooling water shall not change by more than $\pm 5^{\circ}\text{C}$ during the test. The temperature of the sensor must be determined during the entire measurement period and recorded at each measurement point. The temperature of the sensor must be kept within the range of $20 \pm 0.75^{\circ}\text{C}$ during the entire measurement period. The temperature of the sensor is controlled by altering the temperature of the cooling water. The coolant mass flow is to be adjusted so that the temperature rise of the coolant is kept to a minimum, whilst flowing through the probe. To ensure the required temperature stability of the sensor and to protect the wiring from overheating, a round radiation shield of insulating material with an outer diameter of 300 mm is attached to the head of the radiometer. The disc fits flush with the top surface of the probe in order not to obstruct the entrance of the radiometer. The disc contains a 5 mm thick insulation with a thermal conductivity $< 0.05 \text{ W/m}\cdot\text{K}$ (e.g., Fa. Proma type, PROMALIGHT etc).~~ The temperature of the sensor shall be determined during the entire measurement period and recorded at each measurement point. Adjust the temperature of the coolant water through the probe to maintain a sensor temperature within the range of $20^{\circ}\text{C} \pm 0.75^{\circ}\text{C}$ during the measurement period.”
- Section C4.4: New requirement added: “Nitrogen Purging of the Radiometer. Dry nitrogen at a flow rate of $50 \pm 25 \text{ L/h}$ shall be used to purge the radiometer probe during all of the test.”
- Section C4.5: Requirement added and text deleted: “~~Steady State Conditions. A condition of the infrared heater where the stack temperature does not change over time, or in which any one change is continually balanced by another, such as the stable condition of a system in equilibrium~~ The Infrared Heater shall be operated until the heater attains the steady state condition as defined by the manufacturer. If not defined by the manufacturer, the infrared heater shall be operated for a minimum period of 30 minutes.”
- Section C4.6: Requirements revised: “~~Heat Input. The Infrared Heater shall be setup with approved vent terminals and minimum vent length and allowed to operate to achieve steady state operating conditions. In conducting the performance test specified herein, gases with characteristics approximately as shown in Table C2 shall be used. The appliance shall be tested with natural gas unless approved for propane gas use only. Determine the actual higher heating value in MJ/m^3 kWh/m^3 for the gas to be used in the test with an error no greater than $\pm 1\%$. Heat input (Q_m) shall be adjusted to be $\pm 2\%$ of the nameplate rating.~~ In conducting the

performance test specified herein, gases with characteristics approximately as shown in Table C2 shall be used.”

- Appendix D heading Change “Normative” to “Informative”: APPENDIX D. RADIOMETER SOURCE – ~~NORMATIVE~~ INFORMATIVE
- Section D1 Change “The sole manufacturer” to “A manufacturer of a suitable”: ~~The sole~~ A manufacturer of a suitable radiometer known to the Committee is DVGWForschungsstelle, am Engler-Bunte-Institut, des Karlsruher Instituts für Technologie (KIT), Prueflaboratorium Gas, Engler-Bunte-Ring 7, D-76131 Karlsruhe (Germany) (www.dvgw-ebi.de).
- Section D1 Change “The radiometer was” to “An equivalent”, and add “may also be used: to the end of the sentence: An equivalent ~~The radiometer was~~ designed in conjunction with the method of test (Method B) EN 416-2 and EN 419-2 may be used.
- Section D1: Deleted: ~~AHRI Standard 1330 is based on EN 416-2 and EN 419-2 and uses the same test equipment. The details of the design are proprietary information of DVGW~~
- Section E2: the following sentences were deleted: “The temperature of the nitrogen purge must be $20 \pm 0.75^\circ\text{C}$.” and “The flow rate of the nitrogen must be in the range of $50 \pm 25 \text{ L/h}$.”
- Section E3: changed “shall” to “should”: “The temperature of the cooling water ~~shall~~ should be controlled to avoid excess cooling or heating.”
- Section E3: Requirements deleted: “~~The internal parts shall be vented continuously with dry nitrogen at a flow rate of about 2 L/h, in order to avoid the ingress of combustion products, dust etc. The frequency with which the chopper wheel interrupts the interruption of the radiation shall be adjusted in such a way as to avoid multiples of 50.~~”
- Section E5: requirement revised: “~~A pyro-electric detector (e.g. LiTaO₃) together with an adequate window for transmission of the radiation (e.g. a window made of KBr with a protective layer) with a spectral range of 0.8 μm to 40 μm shall be used. It is recommended to use a pyro-electric detector (e.g. LiTaO₃) together with an adequate window for transmission of the radiation (e.g. a window made of KBr with a protective layer) with a spectral range of 0.8 μm to 40 μm .~~”
- Section E5: “shall” changed to “should”: “All electrical wiring ~~shall~~ should be protected from external EMC influences.”
- Section E5: requirement deleted: “~~Due to the influence of the frequency of the chopper wheel on the output signal, the frequency shall be kept as constant as possible. The chopper frequency shall match the calibration frequency and avoid multiples of the frequency of the power supply to the test equipment, for e.g. chopper frequency for test equipment supplied with 115V, 60Hz shall avoid multiples of 60.~~”
- Section E6: requirements revised (including “shall” to “should”): “~~Radiometer Calibration. Calibration of the radiometer shall be achieved against a so-called “black body”. The irradiance inside the black body (W/m^2) is compared with the output signal (V). The~~

calibration curve is a straight line through the point of origin in the coordinate system showing the output signal (V) as a function of the irradiance (refer to Figure D2). For the calibration, the radiometer shall be operated in the same mode as that used for measuring the radiation under the heater, utilizing the same wiring, amplifier and other components used. Calibration of Radiometer. The calibration of the radiometer should include the complete apparatus of the radiometer, chopper controller, connecting cables, nitrogen supply, radiometer cooling system, and amplifier electronics. The calibration of the radiometer must be carried out over the range of suggested temperatures of the black body emitter. Temperatures of the black body emitter: 80, 150, 300, 550°C. The frequency and voltage should be recorded for the power supply and the chopper. During calibration, the radiometer should be operated in the same conditions and settings as those used for measuring radiation, utilizing the same wiring, amplifier and other components. To improve accuracy when a low surface temperature radiant heater is being tested, it is recommended to determine a calibration factor at lower black body temperatures in the representative range of the heater temperatures.”

- Section E6.1.1.1: “shall” changed to “should”:
 - “The calibration ~~shall~~ should be carried out over the whole range of irradiances of the infrared heaters.”
 - “For every temperature, the measurements ~~shall~~ should be carried out at least three times and the average of the values calculated.”
 - “Thermal equilibrium ~~shall~~ should be achieved at each of the measurement temperatures prior to taking the measurements.”
 - “The calibration ~~shall~~ should be carried out for irradiances up to at least 20 kW/m².”

30-Day Public Review Revisions Text for X9.129-2020 Version 3

Section	Change to Previous X9.129 Standard
Definition	Additions FI Initiated release of funds FI initiated partial release of Fund Hold includes safe deposit box Safe deposit box only held Response code
4.2 File Structure Requirements	Clarity on clauses
4.2.2 Request Debtor Record (Type 25)	Change to shall be present
4.2.5 Maintenance Request Record (Type 40)	Clarity on supplemental information (Type10) and supporting documentation (Type 27)
4.2.9 Response Debtor Record (Type35)	Remove mandatory
7.8 Standard Level	Value added 03 version
7.9 Supporting Documentation Zip Filename	Clarity statement for the condition
9 Request Content Record (Type 20)	Clarity on exception and when to use record type 40 and Record type 20 is not required
10 Request Debtor Record (Type 25)	Clarity on exception and when to use record type 40 and Record type 25 is not required
13 Maintenance Request Record (Type 40)	Clarity on Record 40 standalone only
15 Response Content Record (Type 30)	Clarity on exception for sending amended response type 51 and type 30 is no required
17 Response Debtor Record (Type 35)	Clarity on sending amended response record type 51 and record type 35 is not required
18.6 Response Code	Seven new values added

30-Day Public Review Revisions Text for X9.129-2020 Version 3

Definitions and Terms:

FI Initiated release of funds	This code may be used in instances where an FI may have released holds due to the wrong accounts being held. (FI Response Code 22)
FI Initiated partial release of fund	This code may be used in instances where exemptions that should have been applied were realized after the initial hold and therefore had to be adjusted. (FI Response Code 24)
hold includes safe deposit box	At least one safe deposit box is included in the list of accounts being held. (FI Response Code 52)
Safe Deposit Box only held	Only asset held is a Safe Deposit Box. (FI Response Code 51)
response code	Final action for response to the legal order of action taken by Financial Institution. (see clause Error! Reference source not found. for complete list of codes)

4.2 File Structure Requirements

In general, an electronic Legal Order Process request file contains one or more cases, which are destined for the institutions identified in the Request Header Records as the final destinations. The Legal Order Process will also include response file pertaining to each levy request.

As the various records are defined, references to certain fields in various records are made. The data elements and definitions for each record type are described in clauses 7 through 21 [and these clauses must be used to identify full details for proper coding and development](#).

4.2.2 Request Debtor Record (Type 25)

The Request Debtor Record (Type 25) ~~is a mandatory shall be present record~~ if the File Header record indicates this is a request file to identify each customer in a legal order case and will always follow the Request Content Record (Type 20), or another Request Debtor Record (Type 25). There shall be one debtor record per customer.

4.2.3 Request Account Record (Type 26)

The Request Account Record (Type 26) is a conditional record available to provide an order to a specific account only and will always follow a Request Debtor Record (Type 25) or multiple Request Account Record (Type 26). There shall be one account record per account.

4.2.4 Supporting Documentation Record (Type 27)

The Supporting Documentation Record (Type 27) is a conditional record to provide information about supporting documentation for the levy request. The 27 record will always follow the Request Debtor Record (Type 25) or Request Account Record (Type 26). Multiple 27 records can accompany a case.

4.2.5 Maintenance Request Record (Type 40)

The Maintenance Request Record (Type 40) shall follow the Request [Supplemental Information Record \(Type 10\), or the Debtor Record \(Type 25\) or the conditional Request Account Record \(Type 26\), or a Supporting Documentation Record \(Type 27\).](#) This record type is conditional and used by the Requester to provide the action for the Financial Institution to take on an existing case.

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4.2.9 Response Debtor Record (Type 35)

The Response Debtor Record (Type 35) ~~is a mandatory record to be used to~~ identify each customer in a legal order case and will always follow the Response Content Record (Type 30). There shall be one response debtor record per customer.

7.8 Standard Level

A code that identifies the version of the standard used to create the file.

Usage: Mandatory
 Position: 127-128
 Size: 2
 Type: N Numeric
 Defined Values: '01' – X9.129 version 2017
 '02' – X9.129 version 2019
 '03' – [X9.129 version 2020](#)

7.9 Supporting Documentation Zip Filename

The zip file name containing supporting documentation (Type 27 Record). Each zip name should be unique. This could contain multiple documents and directory locations.

Usage: Conditional - [Required field when a document is required to accommodate a given levy order.](#)
 Position: 129-228
 Size: 100
 Type: ANS Alphanumeric/special

9 Request Content Record (Type 20)

The Request Content Record (Type 20) is conditional record that shall be present if File Header Record (Type 01), clause 7.3 File Type Indicator [value](#) = '01', and contains seventeen fields. This record details the specific legal order information from the requester for each new case. [When sending only a Maintenance Request Record \(Type 40\), a new Request Content Record \(Type 20\) is not required.](#)

- [Mandatory Record: One record per case](#)
 - [Exception: When only sending a Maintenance Request Record \(Type 40\), a new Request Content Record \(Type 20\) is not required](#)
- Predecessor Record: Requester Supplemental Information Header Record (Type 10)
 OR Request Debtor Record (Type 25)
 OR Conditional Request Account Record (Type 26)
 OR Conditional Supporting Documentation Record (Type 27)
~~OR Conditional Maintenance Request Record (Type 40)~~
- Successor Record: Request Debtor Record (Type 25)

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10 Request Debtor Record (Type 25)

The Request Debtor Record (Type 25) ~~is mandatory for a request file and~~ contains seventeen fields. This record details the customer(s) information tied to the specific legal order in each case. Please reference Request Content (Type 20), clause 9.10 Number of Debtors to determine the number of Request Debtor Record (Type 25) records should be provided in a given file. When only sending a Maintenance Request Record (Type 40), a new Request Debtor (Type 25) is not required.

- Mandatory Record: One record per request file for each individual customer in the case
 - Exception: When only sending a Maintenance Request Record (Type 40), a new Request Debtor (Type 25) is not required.
- Predecessor Record: Request Content Record (Type 20)
—OR Request Debtor Record (Type 25)
- Successor Record: Request Content Record (Type 20)
OR Request Debtor Record (Type 25)
OR Conditional Request Account Record (Type 26)
OR Conditional Supporting Documentation Record (Type 27)
OR Conditional Maintenance Request Record (Type 40)
OR File Control Record (Type 99)

13 Maintenance Request Record (Type 40)

The Maintenance Request Record (Type 40) is a conditional record and contains nine fields. The intent of this record is to alert that a change to a previously provided Request Content Record (Type 20) and Request Debtor Record (Type 25) is necessary. The Maintenance Request record (Type 40) —It shall only be used when a change to an original request is needed to provide the follow-up action for the Financial Institution to take. It's a standalone record not requiring a new Request Content Record (Type 20) in same Request File. This record must include case identifier information and original request date for the Financial Institution to match to the original request. No response is required from the Financial Institution.

- Conditional Record: One record per caseMaintenance Request Action Type (clause 13.3)
- Predecessor Record: Request Debtor Record (Type 25)
OR Conditional Account Record (Type 26)
OR Conditional Supporting Documentation Record (Type 27)
- Successor Record: File Control Record (Type 99)
- No new Request Content Record (Type 20) required

15 Response Content Record (Type 30)

The Response Content Record (Type 30) is conditional record that shall be present if the File Header Record (Type 01), clause 7.3 File Type Indicator value = '02' and contains fifteen fields. This record details the Financial Institution response and action taken based on the Request Content Record (Type 20). All records within the Response Content Record (Type 30) must have a match to ~~and be in the same order as~~ in the Request Content Record (Type 20). When only sending an Amended Response Content Record (Type 51), a new Response Content Record (Type 30) is not required.

- Mandatory Record: One record per case
 - Exception: When only sending an Amended Response Content Record (Type 51), a new Response Content Record (Type 30) is not required.
- Predecessor Record: Response Supplemental Header Information Record (Type 11)
- Successor Record: Response Debtor Record (Type 35)

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17 Response Debtor Record (Type 35)

The Response Debtor Record (Type 35) ~~is mandatory and~~ contains nine fields. This record details the customer(s) information tied to the specific legal order in each case. When only sending an Amended Response Content Record (Type 51), a new Response Debtor Record (Type 35) is not required.

Mandatory Record: One record for each individual customer in the case

• Exception: When only sending an Amended Response Content Record (Type 51), a new Response Debtor Record (Type 35) is not required.

- Predecessor Record: Response Content Record (Type 30)
—OR Response Debtor Record (Type 35)
- Successor Record: Response Content Record (Type 30)
—OR Response Debtor Record (Type 35)
—OR Conditional Response Account Record (Type 36)
—OR Follow Up Response Content Record (Type 31)
—OR Conditional Amended Response Content Record (Type 51)
—OR File Control Record (Type 99)

18.6 Response Code

Response code indicating the reason of the action taken of the legal order by the Financial Institution. The response code will be provided at the account level, when provided on the Request Account Record (Type 26).

Usage:	Mandatory
Position:	34-35
Size:	2
Type:	N — Numeric
Defined Values:	'01' — Account(s) Closed '02' — No Accounts Found '03' — No Funds Available '04' — Funds Held '05' — Statutory Exemption (State or Fed exemption – no funds available) '06' — Customer cannot be identified with Information provided '07' — Duplicate service/request '08' — Customer deceased '09' — Account Not Attachable (i.e. ACF, Trust) '10' — Pending Manual Review '11' — Request Acknowledged (for Financial Institution recon purposes) '12' — Prior Service '13' — Account Held '14' — No match to original request '15-21' — <u>Reserved for X9 future usage only</u>
'22'	<u>Financial Institution Initiated release of funds</u>
'23'	<u>Reserved for X9 future usage only</u>
'24'	<u>Financial Institution initiated partial release of fund</u>
'51'	<u>—Safe Deposit Box only held</u>
'52'	<u>Hold includes safe deposit box</u>
'53 -99'	<u>Reserved for X9 future usage only</u>



**BSR/ASHRAE Addendum I
to ANSI/ASHRAE Standard 34-2019**

Public Review Draft

Proposed Addendum I to Standard 34-2019, Designation and Safety Classification of Refrigerants

**First Public Review (May 2020)
(Draft shows Proposed Changes to Current Standard)**

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

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

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ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305

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

FOREWORD

This addendum adds the zeotropic refrigerant blend R-457B to Tables 4-2 and D-2.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strike through~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Addendum 1 to Standard 34-2019

Modify Tables 4-2 and D-2 as shown.

Table 4-2 Data and Safety Classifications for Refrigerant Blends

Refrigerant Number = 457B
 Composition (Mass %) = R-32/1234yf/152a (35.0/55.0/10.0)
 Composition tolerances = +0.5, -1.5/+0.5, -1.5/+0.1, -1.9
 OEL = 730 ppm v/v
 Safety Group = A2L
 RCL = 19,000 ppm v/v; 3.7 lb/Mcf; 59 g/m³
 LFL = 76,000 ppm v/v; 14.9 lb/Mcf; 239 g/m³
 Highly Toxic or Toxic Under Code Classification = Neither

Table D-2 Data Classifications for Refrigerant Blends

Refrigerant Number = 457B
 Composition (Mass %) = R-32/1234yf/152a (35.0/55.0/10.0)
 Average Relative Molar Mass = 76.5 g/mol
 Bubble Point (°F) = -51.5
 Dew Point (°F) = -40.7
 Bubble Point (°C) = -46.4
 Dew Point (°C) = -40.4

Public Review Draft

Proposed Addendum ab to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Third Public Review (May 2020)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)

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

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BSR/ASHRAE/ICC/USGBC/IES Addendum ab to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Third Public Review Draft – Independent Substantive Changes

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Foreword

This addendum previously went out for a second public review ISC. That draft had a couple of formatting errors that resulted in substantive changes not being marked as changes. This third public review ISC shows the second public review language, with the changes from PPR1 that were not marked as changes added back in. One of these changes was to the line of sight requirements intended to make views available from patient beds. Another was to change “space types” to the defined term *spaces*. The other change was the removal of the words “each of” in the first sentence.

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the previous public review draft are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum ab to 189.1-2017

8.3.7 [JO] Exterior Views. Not less than 50% of the total floor ~~of each~~ area of the ~~space types~~ spaces listed in Table 8.3.7A shall have a direct line-of-sight, originating at a height of not more than ~~40-42~~ inches (~~1-0~~ 1.1 m) above the floor, to *view fenestration*. The line of sight distance to *view fenestration* shall not exceed 40 ft. The glazing area shall not be less than 7% of the floor area required to have exterior views.

Table 8.3.7-A Exterior View ~~Space Types~~ Spaces

• <i>Classrooms</i>
• Enclosed offices and open plan offices
• Patient and resident rooms within health care, nursing home, and assisted living facilities.

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

NSF/ANSI Standard for Plastics —

Plastics piping system components and related materials

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4 Requirements for plastic piping system components and related materials

4.1 Materials

Plastics piping system components and related materials shall meet the specific public health requirements and the requirements set forth in the applicable product standard(s).

4.1.1 Virgin materials

Plastic piping system components and related materials shall be produced from virgin plastics complying with this Standard, unless the applicable product standard(s) contained in Section 2 of this Standard specifically allows the use of recycled plastics.

When recycled plastics are used, they shall only be used as specified in the applicable product standard. For example, ASTM F1732 and ASTM F1760 have requirements for recycled plastics, including but not limited to the types of plastics that can be used and any limitations on the amounts of various materials that can be incorporated into the final product.

4.1.2 Rework materials

4.1.2.1 All materials excluding polyethylene

The use of clean rework material of the same formulation from the same **piping product** manufacturer shall be acceptable provided that the finished products meet the requirements of the applicable product standard(s). Plastic piping system components and related materials shall be manufactured in such a way as to prevent contamination.

4.1.2.2 Polyethylene

The use of clean, rework polyethylene material from the same material designation (**e.g. PE 4710**) and from the same **piping product** manufacturer shall be acceptable provided that the finished products meet the requirements of the applicable product standard(s). Plastic piping system components and related materials shall be manufactured in such a way as to prevent contamination.

For potable water applications, when mixing rework materials at any ratio of a different ORC (Oxidative Resistance Classification) than the virgin compound, the resulting product receives the ORC of the lowest rated compound within the mixture.

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Revision to NSF/ANSI 14-2019
Draft 2, Issue 109 (May 2020)

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NOTE - For example, rework of CC2 ORC can be mixed with CC3 ORC virgin compound and the resulting product would be classified as CC2 ORC.

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BSR/UL 405-202x, Standard for Safety for Fire Department Connection Devices

1. Screens for Nonthreaded Fire Department Connections

8.5 Nonthreaded fire department connections in the 4 and 5 inch (100 and 125 mm) size shall be permitted to be provided with a screen to reduce the potential for objects or debris obstructing the piping downstream of the connection.

8.6 The screen referenced in 8.5 shall be constructed of a material having corrosion resistance equivalent to or exceeding that of aluminum, brass or bronze or Series 300 stainless and mechanically or otherwise securely fastened into position. A screen that is press (friction) fit into position shall require a supplemental means of securement.

15A Screen Strength Test

15A.1 A screen installed in a nonthreaded connection as indicated in 8.5 shall withstand, without dislodgement or partial separation from the fire department connection body, 125 psig (862 kPa) applied to the inlet of the screen for a period of 1 minute. Permanent bending or distortion of the screen during this test shall be permitted.

15A.2 During this test, the screen perforations are to be blocked with a flexible, reinforced rubber or similar material so that the test pressure is applied to all portions of the screen.

15A.3 The inlet of a representative sample of the fire department connection with the screen is to be filled with water and vented of air. The pressure is to be gradually increased at a rate not exceeding 300 psig (2.07 MPa) per minute until the required test pressure is achieved and held for 1 minute. After the test, the sample is to be visually examined for screen dislodgement or partial separation from the fire department connection body.

15B Screen Friction Loss Test

15B.1 A screen installed in a nonthreaded connection as indicated in 8.5 shall not have a pressure loss due to hydraulic friction that exceeds 5 psi (35 kPa) while flowing 1000 gpm (3,785 L/min).

15B.2 A representative sample of the nonthreaded fire department connection with the integral screen shall be installed in a test piping system. This test line is to be equipped with a calibrated flow meter or equivalent means to measure water flow. A differential pressure gauge is to be connected to piezometer fittings located upstream and downstream from the test sample to measure the pressure loss between the two piezometer fittings. The pressure loss between the piezometer fittings while flowing 1000 gpm (3,785 L/min) is to be determined.

15B.3 The fire department connection test sample with the integral screen is then to be replaced with the same fire department connection without a screen. The pressure loss between the piezometer fittings is to be determined for the same flow rate or rates. The friction loss for the screen is then to be determined by subtracting the losses measured

with the piping and fire department connection without the screen from the losses measured with the piping and fire department connection with the screen.

2. Hinge Pin Securement

9.3 If used, clappers shall be mounted such that a 2-1/2 inch (63.5 mm) diameter sphere can be passed through any inlet. The hinge pins shall be of brass, bronze or other equivalent corrosion resistant material, not less than 1/4 inch (6.4 mm) in diameter, and supported at each end for a distance at least equal to the diameter of the pins. The hinge pins shall be securely fastened in position such as by riveting the ends or by other equivalent means which does not permit water leakage. Hinge pins secured with threads shall be provided with a supplemental means of securement such as the use of a thread locking compound, permanent adhesive, or mechanical staking.

3. Hose Thread Requirements

8.2 Each inlet shall be provided with a female swivel hose coupling at least 1-1/2 inches (38.1 mm) nominal diameter having hose threads that conform to those used by the public fire department in accordance with the Standard for Hose Coupling Screw Threads - Inch, ANSI/ASME B1.20.7 unless specifically ordered to fit existing fire hose equipment requiring different threads.

BSR/UL 778, Standard for Safety for Motor-Operated Water Pumps

1. Delete reference to withdrawn standard UL 508C

25.2.2 The overload protection required by 25.2.1 shall consist of one of the following:

- a) Thermal or overcurrent protection that complies with both the running overcurrent and locked rotor protection requirements in the Standard for Thermally Protected Motors, UL 1004-3;
- b) Permanently-connected or permanently installed units intended for use with a separate overload protection device that is responsive to motor current that is provided with protection in accordance with 26.2; or
- c) Permanently-connected or permanently installed units intended for use with a separate overload protection device that is responsive to motor current and is provided with electronic overcurrent protection complying with 26.2 as part of a motor-drive complying with either the Standard for Power Conversion Equipment, ~~UL 508C~~ or the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1 ; or
- d) Electronic protection that complies with the requirements of the Standard for Electronically Protected Motors, UL 1004-7; or
- e) Other protection, such as that requiring immersion of a submersible motor, that is shown by test to be equivalent to the protection specified in (a) and (b), or
- f) An electronic circuit that complies with the tests of UL 1004-3 and the requirements of the UL 60335-1 - Based Requirements for the Evaluation of Electronic Circuits, Supplement SB, or
- g) An electronic circuit that complies with the tests of UL 1004-3 and the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1.
- h) Impedance protection complying with the requirements in the Standard for Impedance Protected Motors, UL 1004-2.

28.11 Electronic motor drives, if provided, shall be suitable for the pump voltage and current rating and shall comply with the Standard for Power Conversion Equipment, ~~UL 508C~~; the Standard for Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy, UL 61800-5-1; or the Standard for Automatic Electrical Controls - Part 1: General Requirements, UL 60730-1 or the Electronic Circuits requirements in Supplement SB.

BSR/UL 827, Standard for Safety for Central-Station Alarm Services

5 Glossary

5.2 Definitions common to burglar and fire alarm systems

5.2.46A REGIONAL/NATIONAL BUSINESS DISRUPTION -- A national, state, or regional declaration, which creates a business disruption event that inhibits the operation of a Central-Station.

51. Operation During a Regional/National Disruption

51.1 When the following conditions are met, a distributed, off-site Central-Station monitoring operation shall be permitted during a regional/national disruption event:

- a. The declaration of situation that creates a regional/national disruption event must be issued publicly by a national, state or regional official in which the Central-Station operates.
- b. The declaration precludes the operation of a Redundant Site as described in Section 17.6.4 or Temporary Operating Center as defined by Section 49.
- c. The Central-Station must document its intent to enact this provision in writing stating the facts as to why the operation cannot be maintained at the existing site(s).
- d. The Central-Station shall resume normal operations within 14 days after any such declaration and/or any associated health and/or safety guidelines expires.

51.2 Operation within the central-station

51.2.1 Efforts shall be made and documented to maintain an operationally minimum/safe number of employees within the Central-Station.

51.2.2 Unless otherwise prohibited by governmental health or safety directives, the Central-Station shall not be unstaffed at any time.

51.2.2.1 Staffing shall be by Central-Station employees trained to perform on-premises tasks in the manner and timeframes required by this Standard.

51.3 Operators Working Remotely (From Home)

51.3.1 Bandwidth and Connectivity

51.3.1.1 The data and voice communication technology connections required for remote operators to perform their job functions shall be made to the Central-Station network through a secure, remote access technology (such as virtual private network (VPN) and the like) that uses a minimum of 256 bit AES encryption to connect directly from the remote workstation to the network at the monitoring station or automation system host.

51.3.1.2 The remote access technology (VPN) shall be deployed in a manner such that the remote employee is required to use some form of multi-factor authentication (MFA) in order to gain access to the Central-Station's network and or automation systems.

51.3.1.3 Communication between a remote operator workstation and the central-station shall comply with 50.3.1.3.1 or 50.3.1.3.2, and 51.3.1.3.3.

51.3.1.3.1 There shall be primary and backup communication connections between the remote operator workstation and the central-station.

51.3.1.3.2 A Central-Station shall employ an automation system, and have sufficient operators on-duty and logged into the automation system, so that loss of communication between a remote operator workstation and the Central-Station will not result in the loss of any signals or failure to process signals in the manner and timeframes required by this Standard.

51.3.2 Remote Operator Workstation

51.3.2.1 Remote operator workstation equipment shall be owned, configured, and controlled by the Central-Station and shall comply with the requirements of the Standard applicable to the type of equipment.

51.3.2.2 Remote operator workstations shall not be utilized for personal use.

51.3.2.2.1 Remote operators shall not use privately owned equipment (bring your own device - BYOD) to connect to or operate within the Central-Station's Automation Software.

51.3.2.3 If the automation system operation stores data on the remote operator workstation, then the workstation shall be protected with whole disk encryption, with provision for a system administrator level master password to minimize risk of complete lockout.

51.3.3 Workplace Environment

51.3.3.1 Remote operators shall maintain a work area that:

- a. Prevents unauthorized viewing of monitoring screen;
- b. Prevents unauthorized eavesdropping of voice communications; and,
- c. Provides a distraction-free environment.

51.3.3.2 Remote operators shall perform job duties from a location approved and documented by central-station management.

51.3.3.3 The Central-Station shall employ a means by which the Central-Station managers have continuous communication with and supervision (audio, visual or otherwise) of the remote employee.

51.3.3.4 The Central-Station shall document the security architecture of the implemented remote operator solution.

51.3.3.4.1 The security architecture documentation shall be made part of the central-station's business continuity plans described in Table 17.6 item v, Sections 19.2, 28.2 and/or 43.2.

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BSR/UL 844, Standard for Safety for Luminaires for Use in Hazardous (Classified) Locations

1. Revisions to include +60°C and -60°C explosion testing with test factors using precompression explosion testing equipment.

PROPOSAL

1.3 These requirements cover luminaires for use only under the following atmospheric conditions:

- a) A minimum ambient temperature of minus ~~25~~ 60°C (minus ~~13~~ 58°F);
- b) An oxygen concentration not greater than 21 percent by volume; and
- c) A nominal barometric pressure of one atmosphere.

26.18 For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus ~~25~~ 60°C (minus ~~13~~ 58°F), the explosion tests shall be ~~performed at the minimum ambient specified, ±5°C (±9°F) degrees.~~ determined by one of the following methods:

~~Exception: : For equipment for use in Group C or D classified locations, rated not less than minus 50°C (minus 58°F), not subject to pressure piling, and determined to comply with the flame propagation requirements in 26.3(a), the equipment shall alternatively be subjected to the hydrostatic pressure test using the test factors for low ambient rated equipment found in Table 28.1, based upon room ambient explosion pressure tests.~~

a) For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus 60°C (minus 58°F), the explosion tests shall be performed at the minimum ambient specified, ±5°C (±9°F) degrees. When the ambient specified is such that common materials within the Group are not flammable, a test temperature shall be specified that represents the minimum temperature at which the test gasses shown in Table 26.3 remain gasses, or

b) For equipment for use in Group C or D classified locations, rated not less than minus 60°C (minus 76°F), not subject to pressure piling, and determined to comply with the flame propagation requirements in 26.3(b), the equipment shall alternatively be subjected to the hydrostatic pressure test using the test factors for low ambient rated equipment found in Table 28.1, based upon room ambient explosion pressure tests, or

c) The reference pressure shall be determined at room ambient temperature using the defined test mixture(s), but at increased pressure. The absolute pressure of the test mixture (P) shall be calculated by the following formula, using T_a in °C:

$$P = 100[293 / (T_{a, \text{min}} + 273)] \text{ (kPa)}$$

or

$$P = 14.6959 [293 / (T_{a, \text{min}} + 273)] \text{ (psi)}$$

26.18A.1 For explosion-proof equipment specified and marked for use at ambient temperatures greater than 60°C (140°F), in addition to the tests of 26.18, flame propagation tests shall be conducted under one of the following conditions:

- 1) At a temperature not less than the specified maximum ambient temperature; or
- 2) At normal ambient temperature using the defined test mixture at increased pressure according to the factors in Table 26.18A; or
- 3) At normal atmospheric pressure and temperature, but with the test gap increased by the factors noted in Table 26.18A.

These tests are in addition to the explosion tests required to determine compliance with 26.2 b) and 26.3 a).

26.18A.1.1 All test sample joints are to be based upon the manufacturers maximum specified gap, and tested with the minimum specified joint length. Specially prepared test samples having modified joint lengths, gaps and engagements shall be employed. For Groups A, B, or A and B, test factors per 26.11 through 26.16 are also required to be introduced into the test pressure or test gap in addition to the test factors above.

Table 26.18A
Test factors to increase pressure or joint test gap

<u>Temperature up to °C</u>	<u>Groups A & B 27.5% H₂ 7.5% C₂H₂</u>	<u>Group C 37% H₂</u>	<u>Group D 55% H₂</u>
<u>60</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
<u>70</u>	<u>1.11</u>	<u>1.04</u>	<u>1.05</u>
<u>80</u>	<u>1.13</u>	<u>1.05</u>	<u>1.06</u>
<u>90</u>	<u>1.15</u>	<u>1.06</u>	<u>1.07</u>
<u>100</u>	<u>1.16</u>	<u>1.06</u>	<u>1.08</u>
<u>110</u>	<u>1.18</u>	<u>1.07</u>	<u>1.09</u>
<u>120</u>	<u>1.20</u>	<u>1.08</u>	<u>1.10</u>
<u>130</u>	<u>1.22</u>	<u>1.09</u>	<u>1.11</u>

2. Revisions to permit the use of electronic medium for required documentation.

PROPOSAL

74A Installation Instructions

74A.1 General

74A.1.1 Luminaires shall be provided with documentation that includes all the instructional material required by this standard.

74A.2 Electronic medium for required instructions

74A.2.1 The required instructional material of this standard may be provided additionally or alternatively by electronic media under the following conditions:

a) Where all required instructional material is provided by electronic media, there shall be marking on the apparatus that contains the international symbol \triangle (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode).

b) Where only some of the required instructional material is provided by electronic media and some is printed:

- 1) there shall be marking on the apparatus that contains the international symbol \triangle (Reference No. 0434B of ISO 7000), along with the document number, revision level and location of the electronic documentation (e.g. URL, QRcode); and
- 2) the printed instructions provided with the apparatus shall clearly identify that additional information is available electronically, along with the document number, revision level and location of this electronic documentation (e.g. URL, QRcode).

Exception: For small electrical apparatus where some or all of the instructional material is to be provided by electronic media, and where there is limited space for both the international symbol \triangle (Reference No. 0434B of ISO 7000) and the document number, revision level and location of the electronic documentation (e.g. URL, QRcode):

- a) the international symbol \triangle (Reference No. 0434B of ISO 7000) shall be marked on the apparatus; and
- b) printed instructions shall be provided with the apparatus that, as a minimum, indicates the document number, revision level and location of the electronic documentation (e. g. URL, QRcode).

NOTE When electronic documentation is referenced either on the device or on the printed instructions, the location given can be the specific location for the required instructions (e. g. direct link to the specific instructions), or can be a more general location. (e.g. the URL for the overall manufacturer's website). It is the manufacturer's responsibility to assure that the location of the required instructions is accessible by the user.

74A.2 Where a QRcode is used to provide the required instructional material, and the QRcode contains all required instructional material (as opposed to merely referencing a URL that contains required instructional material), a document number and revision level need not be indicated.

74A.3 Where some or all of the required instructional material is provided by electronic media, the required instructional material shall be available in printed format upon request of the user.

SC1.29 For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus 25°C (minus 13°F), the explosion tests shall be performed determined by one of the following methods:

Relocated as item a)

at the minimum ambient specified, $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{F}$) degrees. When the ambient specified is such that common materials within the Group are not flammable, a test temperature shall be specified that represents the minimum temperature at which the test gasses shown in Tables ~~SC3~~ ~~SC5~~ remain gasses.

Relocated as item b)

~~Exception: For equipment for use in Group C or D classified locations, rated not less than minus 50°C (minus 58°F), not subject to pressure piling, and determined to comply with the flame propagation requirements in ~~SC1.2(b)~~, the equipment shall alternatively be subjected to the hydrostatic pressure test using the test factors for low ambient rated equipment found in Table ~~28.1~~, based upon room ambient explosion pressure tests.~~

- a) For explosion-proof equipment specified and marked for use at ambient temperatures lower than minus 25°C (minus 13°F), the explosion tests shall be performed at the minimum ambient specified, $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{F}$) degrees. When the ambient specified is such that common materials within the Group are not flammable, a test temperature shall be specified that represents the minimum temperature at which the test gasses shown in Table SB1.3 remain gasses; or
- b) For equipment for use in Group C or D classified locations, rated not less than minus ~~50~~ 60°C (minus ~~58~~ 76°F), not subject to pressure piling, and determined to comply with the flame propagation requirements in SB1.3(a), the equipment shall alternatively be subjected to the hydrostatic pressure test using the test factors for low ambient rated equipment found in Table 22.1, based upon room ambient explosion pressure tests; or
- c) The reference pressure shall be determined at normal ambient temperature using the defined test mixture(s), but at increased pressure. The absolute pressure of the test mixture (P) shall be calculated by the following formula, using T_a in $^{\circ}\text{C}$:

$$P = 100[293 / (T_{a, \text{min}} + 273)] \text{ (kPa)}$$

or

$$P = 14.6959 [293 / (T_{a, \text{min}} + 273)] \text{ (psi)}$$

SC1.29A.1 For explosion-proof equipment specified and marked for use at ambient temperatures greater than 60°C (140°F), flame propagation tests shall be conducted under one of the following conditions:

- 1) At a temperature not less than the specified maximum ambient temperature; or
- 2) At normal ambient temperature using the defined test mixture at increased pressure according to the factors in Table SB1.29A; or
- 3) At normal atmospheric pressure and temperature, but with the test gap increased by the factors noted in Table SB1.29A.

These tests are in addition to the explosion tests required to determine compliance with SB1.2 and SB1.3 a).

SC1.29A.1.1 All test samples are to be based upon the manufacturers maximum specified gap, and tested with the minimum specified joint length. Specially prepared test samples having modified joint lengths, gaps and engagements shall be employed.

Table SC1.29A
Test factors to increase pressure or joint test gap

<u>Temperature up to °C</u>	<u>Groups A & B 27.5% H₂ 7.5% C₂H₂</u>	<u>Group C 37% H₂</u>	<u>Group D 55% H₂</u>
<u>60</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
<u>70</u>	<u>1.11</u>	<u>1.04</u>	<u>1.05</u>
<u>80</u>	<u>1.13</u>	<u>1.05</u>	<u>1.06</u>
<u>90</u>	<u>1.15</u>	<u>1.06</u>	<u>1.07</u>
<u>100</u>	<u>1.16</u>	<u>1.06</u>	<u>1.08</u>
<u>110</u>	<u>1.18</u>	<u>1.07</u>	<u>1.09</u>
<u>120</u>	<u>1.20</u>	<u>1.08</u>	<u>1.10</u>
<u>130</u>	<u>1.22</u>	<u>1.09</u>	<u>1.11</u>

For Groups A, B, or A and B, test factors per SB1.23 and SB1.26 are also required to be introduced into the test pressure or test gap in addition to the test factors above.

BSR/UL 1446, Standard for Safety for Systems of Insulating Materials – General

1. Requirements for defined life thermal aging test

3 Referenced Publications

IEC 61857-31, Electrical Insulation Systems – Procedures for Thermal Evaluation – Part 31: Applications With A Designed Life of 5 000 h or Less

5 Glossary

5.6A DEFINED LIFE – The number of hours the EIS is suitable for use at the desired temperature class as specified in Table 7.2.

5.6B DESIGNED SERVICE LIFE – The actual operational time of the device employing the EIS, which may be in continuous or intermittent operation, as determined by the end use product manufacturer for the expected life of the product at a thermal class rating as specified in Table 7.2.

5.14A THERMAL ENDURANCE RATING – The defined life in hours of the EIS at the selected temperature class as specified in Table 7.2.

[Note from the Project Manager: Section 7A is intended to be located between Sections 7 and 8 in UL 1446.]

7A Electrical Insulation Systems – Defined Life Thermal Aging

7A.1 General

7A.1.1 For an EIS where the intended application has a designed service life of 5000 hours or less, representative samples of the candidate EIS shall be subjected to a thermal aging as outlined in IEC 61857-31.

7A.1.2 Additional components not present in the thermally aged samples shall be added by methods outlined in Supplement SA.

7A.2 Samples

7A.2.1 Test samples of the candidate insulation system shall be prepared and screened as outlined in in Section 7.2 Samples, with the exception that no reference insulation system is required.

7A.3 Test Procedure

7A.3.1 The test procedure and samples are the same as outlined in Part 7 Electrical Insulation Systems – Full Thermal Aging, with the exception of the number of test samples and aging test temperatures as specified in Procedure A, Procedure B and Procedure C below.

7A.3.2 Procedure A (One temperature aging)– Applications with a designed service life of 1500 hours or less shall utilize ten (10) test samples and the aging test temperature shall be 10°C (18°F) higher than the desired temperature class rating with an heat aging cycle of 168 hours accumulating a minimum of 1500 hours. If there are no sample failures 1500 hour will be achieved in 9 cycles.

7A.3.3 Procedure B (One temperature aging) – If the samples tested under Procedure A have exceeded 1500 hours, the testing may be continued in the same manner until all samples fail or 5000 hours of aging time is reached, whichever comes first.

7A.3.4 Procedure C (two temperature aging) – As an alternative to Procedures A and B for applications with a designed service life of 5000 hours or less to be evaluated at two (2) elevated temperatures. The higher test temperature shall utilize ten (10) test samples and are heat aged 30°C (54°F) to 35°C (63°F) higher than the desired temperature class rating with a heat aging cycle period between 24-72 h. The lower test temperature shall utilize ten (10) test samples and are heat aged be 20°C (36°F) to 30°C (54°F) higher than the desired temperature class rating with a heat aging cycle period between 48-168 h.

7A.4 Analysis and evaluation

7A.4.1 For Procedure A and B, If there are no sample failures prior to achieving the Defined Service Life hours, then testing may be discontinued and the obtained hours of aging shall be used as the Defined Life. If samples fail during the test procedure, the failure time is reported for each of the samples as described in 7.4.4, and the average life of all samples is to be calculated as a geometric mean time for that temperature and shall be used as the Defined Life.

7A.4.2 For Procedure C, All samples tested at the higher aging temperature shall be aged to completion of end of test-life as described in 7.4.4 and the average life of all samples calculated as a geometric mean time. The lower aging temperature samples shall be aged to end of test-life as described in 7.4.4 with the average life of all samples calculated as a geometric mean time. The highest and lower test temperature geometric mean times shall be expressed as a linear function and the Defined Life is determined by intercepting the line at the desired temperature class. The Defined Life result shall be rounded down to the nearest 500 hour. The Defined Life shall not exceed 5000 hours. Exception: Aging of the lower test temperature samples to end of test-life is not required if the accumulated hours for the lower test temperature is sufficient when in combination with the completed highest test temperature expressed as a linear function that results in the desired Defined Life at the desired temperature class.

7A.4.3 For all three Procedures A,B and C, the Defined Life result shall be rounded down to the nearest 500 hour and the Thermal Endurance Rating assigned shall be expressed as Thermal Class / Hours (h). e.g. 130(B) / 1500h; 130(B) / 2000h; 130(B) / 2500h; 130(B) / 3000h; 130(B) / 3500h; 130(B) / 4000h; 130(B) / 4500h; 130(B) / 5000h and etcetera for each higher thermal class 155(F), 180(H), 200(N); 220(R), 240(S).