ANSI STANDARDS ACTION

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CONTENTS

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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.

NEMA (ASC C137) (National Electrical Manufacturers Association)

1300 N 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org
Contact: Michael Erbesfeld; Michael.Erbesfeld@nema.org

New Standard

BSR C137.10-202X, Standard for Lighting Systems - Sensor Data Models (new standard)

Stakeholders: Producers, users, general interest.
Project Need: This project is needed to enable lighting systems, locally and centrally, to receive sensor information from a variety of independent sensors and take actions which may include, but are not limited to, optimization of light levels and backhaul of sensor data to the CMS for adjacent applications. This project will standardize the data which sensors make available to NLCs to encourage interface with multiple sensor types. Devices that include both an NLC and sensing functionality are not included in the scope of this standard because intra-device communication will not benefit, and the device would be burdened by these additional requirements. This is an important distinction to avoid market and regulatory confusions.
Scope: This standard defines the data model for sensors (focused on but not limited to outdoor) to present to Network Lighting Controllers (NLC). This standard will leverage existing sensor data models published by other standards organizations, such as Open Mobile Alliance, Digital Illumination Interface Alliance (DiiA) and TALQ. This standard does not apply to the internal communications of NLC-integrated devices or by what protocol the data is transported from the sensor to NLC or from NLC to CMS.

NEMA (ASC Z535) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900 | Rosslyn, VA 22209 www.nema.org
Contact: Paul Orr; Pau_orr@nema.org

New Standard

BSR Z535.7-202x, Product Safety Information in Electronic Media (new standard)

Stakeholders: Users, producers, and general interested parties of electronic media signage.
Project Need: To fix a gap in the standards.
Scope: This standard sets forth requirements for the use of ANSI Z535 formatting elements in the design of visual product safety messages presented in electronic media to the extent that these formatting elements are used in these media.

Call for Comment on Standards Proposals

American National Standards

This section solicits public comments on proposed draft new American National Standards, including the national adoption of ISO and IEC standards as American National Standards, and on proposals to revise, reaffirm or withdraw approval of existing American National Standards. A draft standard is listed in this section under the ANSI-accredited standards developer (ASD) that sponsors it and from whom a copy may be obtained. Comments in connection with a draft American National Standard must be submitted in writing to the ASD no later than the last day of the comment period specified herein. Such comments shall be specific to the section (s) of the standard under review and include sufficient detail so as to enable the reader to understand the commenter's position, concerns and suggested alternative language, if appropriate. Please note that the ANSI Executive Standards Council (ExSC) has determined that an ASD has the right to require that interested parties submit public review comments electronically, in accordance with the developer's procedures.

Ordering Instructions for "Call-for-Comment" Listings

1. Order from the organization indicated for the specific proposal.
2. Use the full identification in your order, including the BSR prefix; for example, Electric Fuses BSR/SAE J554.
3. Include remittance with all orders.
4. BSR proposals will not be available after the deadline of call for comment.

Comments should be addressed to the organization indicated, with a copy to the Board of Standards Review, American National Standards Institute, 25 West 43rd Street, New York, NY 10036. e-mail: psa@ansi.org
* Standard for consumer products

Comment Deadline: February 13, 2022

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

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

Addenda

BSR/ASHRAE Addendum n to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019)
This proposed addendum to ANSI/ASHRAE Standard 15-2019 addresses a continuous maintenance proposal to clarify wording means face velocity. The reader is reminded that Addendum f to Standard 15-2019 modified Informative Appendix A to be a repository for explanatory material.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

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

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

Addenda

BSR/ASHRAE Addendum o to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019)
This proposed addendum to ANSI/ASHRAE Standard 15-2019 addresses a continuous maintenance proposal to clarify intent and requirement for notification and is a result of discussions as part of the ICC code development process. The reader is reminded that Addendum f to Standard 15-2019 modified Informative Appendix A to be a repository for explanatory material.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

Comment Deadline: February 13, 2022

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

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

Addenda

BSR/ASHRAE Addendum p to BSR/ASHRAE Standard 15-202x, Safety Standard for Refrigeration Systems (addenda to ANSI/ASHRAE Standard 15-2019)
This proposed addendum to Standard 15-2019 makes a modification to refrigerant charge quantity limits, which aligns Standard 15 with the outcome of the research project. This modification will also make the requirements in Standard 15 more consistent with the requirements of the product safety standard.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts

UL (Underwriters Laboratories)

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

Revision

BSR/UL 347A-202x, Standard for Safety for Medium Voltage Power Conversion Equipment (revision of ANSI/UL 347A-2020)
Recirculation of the following topics balloted September 17, 2021: (3) Addition of New Section 21.8 – Alternate Approach for Spacings; (4) Revisions to Section 26 - Spacings within Gate Driver Circuit.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

UL (Underwriters Laboratories)

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

Revision

BSR/UL 467-202x, Standard for Safety for Grounding and Bonding Equipment (revision of ANSI/UL 467-2013 (R2017))
Recirculation of items from the July 23, 2021 proposed eleventh edition of UL 467.
Click here to view these changes in full
Send comments (copy psa@ansi.org) to: Follow the instructions in the following website to enter comments into the CSDS Work Area: https://csds.ul.com/Home/ProposalsDefault.aspx

Comment Deadline: February 28, 2022

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)
This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by the presence of radon gas and chemical vapors or gas within schools and large buildings. These proposed revisions to Sections 6, 7, and 8 are the result of harmonization efforts and public review for ANSI/AARST SGM-SF, ANSI/AARST RMS-MF and ANSI/AARST RMS-LB.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Order from: Gary Hodgden; StandardsAssist@gmail.com
Send comments (copy psa@ansi.org) to: Same

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF -2020)
This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by the presence of radon gas and chemical vapors or gas within multifamily buildings. These proposed revisions to Sections 6, 7, and 8 are the result of harmonization efforts and public review for ANSI/AARST SGM-SF, ANSI/AARST RMS-MF, and ANSI/AARST RMS-LB.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Order from: Gary Hodgden; StandardsAssist@gmail.com
Send comments (copy psa@ansi.org) to: Same

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF -2020)
This standard of practice specifies minimum requirements for methods that mitigate risks to occupants posed by the presence of radon gas and chemical vapors or gas within existing homes. These proposed revisions to Sections 6, 7, and 8 are the result of harmonization efforts and public review for ANSI/AARST SGM-SF, ANSI/AARST RMS-MF, and ANSI/AARST RMS-LB.
Single copy price: $TBD
Obtain an electronic copy from: https://standards.aarst.org/public-review
Order from: Gary Hodgden; StandardsAssist@gmail.com
Send comments (copy psa@ansi.org) to: Same

Comment Deadline: February 28, 2022

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

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

Revision

BSR/ASHRAE Standard 79-202x, Method of Test for Fan-Coil Units (revision of ANSI/ASHRAE Standard 79-2015)
This revision of ANSI/ASHRAE Standard 79-2015 prescribes laboratory methods of testing fan-coil units to ensure uniform performance data for establishing ratings.
Single copy price: $35.00
Obtain an electronic copy from: http://www.ashrae.org/standards-research--technology/public-review-drafts
Order from: standards.section@ashrae.org
Send comments (copy psa@ansi.org) to: http://www.ashrae.org/standards-research--technology/public-review-drafts

CSA (CSA America Standards Inc.)

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

Reaffirmation

BSR Z83.4-2016 (R202x), Non-Recirculating Direct Gas-Fired Heating And Forced Ventilation Appliances For Commercial And Industrial Application, same as CSA 3.7-2016 (reaffirmation of ANSI Z83.4-2016)
This Standard applies to newly produced, non-recirculating direct gas-fired heating and forced ventilation appliances, hereinafter referred to as heaters, whose purpose is to address building infiltration, replace building air that is exhausted, offset building conduction heat loss and provide outside air ventilation. All air to the heater is ducted directly from outdoors and the products of combustion generated by the heater are released into the air stream being heated.
Single copy price: Free
Obtain an electronic copy from: ansi.contact@csagroup.org
Order from: Debbie Chesnik; ansi.contact@csagroup.org
Send comments (copy psa@ansi.org) to: ansi.contact@csagroup.org

Comment Deadline: March 15, 2022

ASME (American Society of Mechanical Engineers)

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

Reaffirmation

BSR/ASME PTC 34-2017 (R202x), Waste Combustors with Energy Recovery (reaffirmation of ANSI/ASME PTC 34 -2017)
This Code provides a test procedure for evaluating the performance of waste fuel combustors with energy recovery using the boiler as a calorimeter. These procedures apply when the variability and waste fuel composition results in a lack of confidence in obtaining representative samples for laboratory analysis. Instructions are given to determine the thermal capacity and thermal efficiency of waste combustor systems by applying the concept of using the boiler as a calorimeter. In addition, the HHV of the waste fuel can be determined by weighing the waste fuel that has been consumed during the test.
Single copy price: $190.00
Order from: https://cstools.asme.org/csconnect/PublicReviewPage.cfm
Send comments (copy psa@ansi.org) to: Justin Cassamassino; cassasmassinoj@asme.org

Comment Deadline: March 15, 2022

SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH 44145 | leh@wherryassoc.com, www.wherryassocsteeldoor.org

Revision

BSR A250.11-202x, Recommended Erection Instructions for Steel Frames (revision of ANSI A250.11-2012)
Recommended methods for the installation of steel frames for swinging doors in a variety of wall conditions, commonly used in commercial buildings, are covered within this standard. The installation of transom/sidelight (or panel) type frames and single or multiple borrowed lights are not covered in this standard.
Single copy price: $45.00
Obtain an electronic copy from: info@steeldoor.org
Order from: Linda Hamill; leh@wherryassoc.com
Send comments (copy psa@ansi.org) to: Same

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, Suite 1100, Washington, DC 20001-5571 | miller@api.org, www.api.org

BSR/API Standard 565-202x, Reactor Furnaces in Sulfur Recovery Units for General Refinery Service (new standard)
Inquiries may be directed to David Miller; miller@api.org

Withdrawal of an ANS by ANSI-Accredited Standards Developer

In accordance with clause 4.2.1.3.2 Withdrawal by ANSI-Accredited Standards Developer of the ANSI Essential Requirements, the following American National Standards have been withdrawn as an ANS.

API (American Petroleum Institute)

200 Massachusetts Avenue NW, Washington, DC 20001-5571 | MonchakN@api.org, www.api.org

ANSI/API MPMS Chapter 5.6, 1st Edition-2007 (R2015), Measurement of Liquid Hydrocarbons by Coriolis Meters
Questions may be directed to: Nick Monchak; MonchakN@api.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.

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

Revision
ANSI/AARST MS-PC-2022, Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air (revision of ANSI/AARST MS-PC-2015) Final Action Date: 1/7/2022

ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | smoulton@abycinc.org, www.abycinc.org

Revision
ANSI/ABYC EDU-1-2021, On-Water Recreational Boating Skills - Power (revision of ANSI/ABYC EDU-1-2015) Final Action Date: 1/6/2022

AGMA (American Gear Manufacturers Association)

1001 N Fairfax Street, 5th Floor, Alexandria, VA 22314-1587 | tech@agma.org, www.agma.org

Reaffirmation
ANSI/AGMA 9000-D11-2011 (R2021), Flexible Couplings - Potential Unbalance Classification (reaffirmation of ANSI/AGMA 9000-D11-2011 (R2016)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/AGMA 9006-A-2016 (R2021), Flexible Couplings - Basis for Rating (reaffirmation of ANSI/AGMA 9006-A-2016) Final Action Date: 1/6/2022

Reaffirmation
ANSI/AGMA 9110-A11-2011 (R2021), Flexible Couplings - Potential Unbalance Classification - Metric Edition (reaffirmation of ANSI/AGMA 9110-A11-2011 (R2016)) Final Action Date: 1/6/2022

AMCA (Air Movement and Control Association)

30 West University Drive, Arlington Heights, IL 60004-1893 | shrutik@amca.org, www.amca.org

Revision
ANSI/AMCA 250-2021, Laboratory Methods of Testing Jet Fans for Performance (revision of ANSI/AMCA 250-2012) Final Action Date: 1/6/2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation
ANSI/ASABE AD26322-2-JUN2017 (R2022), Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (reaffirm a national adoption ANSI/ASABE AD26322-2-JUN2017) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASABE AD6489-3-2004 JUL2017 (R2022), Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar (reaffirm a national adoption ANSI/ASABE AD6489-3-2004 JUL2017) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASABE S613-4-AUG2017 (R2022), Tractors and self-propelled machinery for agriculture - Air quality systems for cabs - Part 4: Performance Test of a Cab (reaffirmation of ANSI/ASABE S613-4-AUG2017) Final Action Date: 1/6/2022

ASABE (American Society of Agricultural and Biological Engineers)

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

Reaffirmation
ANSI/ASABE/ISO 4252-MAY2012 (R2022), Agricultural tractors - Operators workplace, access and exit - Dimensions (reaffirm a national adoption ANSI/ASABE/ISO 4252-MAY2012 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASABE/ISO 5700-2013 SEP2017 (R2022), Tractors for agriculture and forestry - Roll-over protective structures - Static test method and acceptance conditions (reaffirm a national adoption ANSI/ASABE/ISO 5700-2013 SEP2017) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE S351-1982 (R2022), Hand Signals for Use in Agriculture (reaffirmation of ANSI/ASAE S351-1982 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE S424.1-SEP92 (R2022), Method of Determining and Expressing Particle Size of Chopped Forage Materials by Screening (reaffirmation of ANSI/ASAE S424.1-SEP92 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE S472-MAR 88 (R2022), Terminology for Forage Harvesters and Forage Harvesting (reaffirmation of ANSI/ASAE S472-MAR 88 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE S478.1-2012 (R2022), Roll-Over Protective Structures (ROPS) for Compact Utility Tractors (reaffirmation of ANSI/ASAE S478.1-2012 (R2016)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE/ISO 9190-2002 (R2022), Lawn and garden ride-on (riding) tractors - Drawbar (reaffirm a national adoption ANSI/ASAE/ISO 9190-2002 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE/ISO 9191-2002 (R2022), Lawn and garden ride-on (riding) tractors - Three-point hitch (reaffirm a national adoption ANSI/ASAE/ISO 9191-2002 (R2017)) Final Action Date: 1/6/2022

Reaffirmation
ANSI/ASAE/ISO 9192-2002 (R2022), Lawn and garden ride-on (riding) tractors - One-point tubular sleeve hitch (reaffirm a national adoption ANSI/ASAE/ISO 9192-2002 (R2017)) Final Action Date: 1/6/2022

ASME (American Society of Mechanical Engineers)

Two Park Avenue, 6th Floor, New York, NY 10016-5990 | ansibox@asme.org, www.asme.org

Reaffirmation
ANSI/ASME B18.13-2017 (R2022), Screw and Washer Assemblies - SEMS (Inch) (reaffirmation of ANSI/ASME B18.13 -2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/ASME B18.13.1M-2011 (R2022), Screw and Washer Assemblies - SEMS (Metric Series) (reaffirmation of ANSI/ASME B18.13.1M-2011 (R2016)) Final Action Date: 1/7/2022

Reaffirmation
ANSI/ASME B29.1-2011 (R2022), Precision Power Transmission Roller Chains, Attachments, and Sprockets (reaffirmation of ANSI/ASME B29.1-2011 (R2016)) Final Action Date: 1/7/2022

ASME (American Society of Mechanical Engineers)

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

Revision
ANSI/ASME PTC 19.5-2021, Flow Measurement (revision of ANSI/ASME PTC 19.5-2004 (R2013)) Final Action Date: 1/5/2022

Stabilized Maintenance
ANSI/ASME B18.6.8-2010 (S2021), Thumb Screws and Wing Screws (stabilized maintenance of ANSI/ASME B18.6.8 -2010 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.6.9-2010 (S2021), Wing Nuts (stabilized maintenance of ANSI/ASME B18.6.9-2010 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.11-1961 (S2021), Miniature Screws (stabilized maintenance of ANSI/ASME B18.11-1961 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.22M-1981 (S2021), Metric Plain Washers (stabilized maintenance of ANSI/ASME B18.22M-1981 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.27-1998 (S2021), Tapered and Reduced Cross Section Retaining Rings (Inch Series) (stabilized maintenance of ANSI/ASME B18.27-1998 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.29.1-2010 (S2021), Helical Coil Screw Thread Inserts - Free Running and Screw Locking (Inch Series) (stabilized maintenance of ANSI/ASME B18.29.1-2010 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B18.29.2M-2005 (S2021), Helical Coil Screw Thread Inserts - Free Running and Screw Locking (Metric Series) (stabilized maintenance of ANSI/ASME B18.29.2M-2005 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B27.6-1972 (S2021), General Purpose Uniform Cross Section Spiral Retaining Rings (stabilized maintenance of ANSI/ASME B27.6-1972 (R2017)) Final Action Date: 1/4/2022

Stabilized Maintenance
ANSI/ASME B27.7-1977 (S2021), General Purpose Tapered and Reduced Cross Section Retaining Rings (Metric) (stabilized maintenance of ANSI/ASME B27.7-1977 (R2017)) Final Action Date: 1/4/2022

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

New Standard
ANSI/ASTM D8434-2021, Specification for Unleaded Aviation Gasoline Test Fuel Containing Organo-Metallic Additive (new standard) Final Action Date: 12/21/2021

New Standard
ANSI/ASTM F3544-2021, Test Method for Hunting Saddle Static Load Capacity (new standard) Final Action Date: 12/21/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Reaffirmation
ANSI/ASTM F1081-2009 (R2021), Specification for Competition Wrestling Mats (reaffirmation of ANSI/ASTM F1081 -2009 (R2015)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F1786-1997 (R2021), Test Method for Performance of Braising Pans (reaffirmation of ANSI/ASTM F1786 -1997 (R2016)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F1991-2006 (R2021), Test Method for Performance of Chinese (Wok) Ranges (reaffirmation of ANSI/ASTM F1991-2006 (R2016)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2125-2009 (R2021), Test Method for Treestand Static Stability and Adherence (reaffirmation of ANSI/ASTM F2125-2009 (R2013)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2128-2013 (R2021), Test Method for Treestand Repetitive Loading Capability (reaffirmation of ANSI/ASTM F2128-2013) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2239-2010 (R2021), Test Method for Performance of Conveyor Broilers (reaffirmation of ANSI/ASTM F2239-2010 (R2016)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2379-2004 (R2021), Test Method for Energy Performance of Powered Open Warewashing Sinks (reaffirmation of ANSI/ASTM F2379-2004 (R2016)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2472-2005 (R2021), Test Method for Performance of Staff-Serve Hot Deli Cases (reaffirmation of ANSI/ASTM F2472-2005 (R2016)) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F2531-2013 (R2021), Test Method for Load Capacity of Treestand Seats (reaffirmation of ANSI/ASTM F2531-2013) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F3188-2016 (R2021), Specification for Extractable Hazardous Metals in Synthetic Turf Infill Materials (reaffirmation of ANSI/ASTM F3188-2016) Final Action Date: 12/21/2021

Reaffirmation
ANSI/ASTM F3216-2016 (R2021), Test Method for Performance of Retherm Ovens (reaffirmation of ANSI/ASTM F3216 -2016) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D1655-2021c, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2021a) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D6792-2021c, Practice for Quality Management Systems in Petroleum Products, Liquid Fuels, and Lubricants Testing Laboratories (revision of ANSI/ASTM D6792-2021A) Final Action Date: 12/21/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision
ANSI/ASTM D7223-2021, Specification for Aviation Certification Turbine Fuel (revision of ANSI/ASTM D7223-2017) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D7254-2021, Specification for Polypropylene (PP) Siding (revision of ANSI/ASTM D7254-2020) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D7793-2021, Specification for Insulated Vinyl Siding (revision of ANSI/ASTM D7793-2021) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D7826-2021, Guide for Evaluation of New Aviation Gasolines and New Aviation Gasoline Additives (revision of ANSI/ASTM D7826-2021) Final Action Date: 12/21/2021

Revision
ANSI/ASTM D8073-2021, Test Method for Determination of Water Separation Characteristics of Aviation Turbine Fuel by Small Scale Water Separation Instrument (revision of ANSI/ASTM D8073-2016 (R2021)) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E176-2021a, Terminology of Fire Standards (revision of ANSI/ASTM E176-2021) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E691-2021, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method (revision of ANSI/ASTM E691-2020) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E906/E906M-2021, Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using a Thermopile Method (revision of ANSI/ASTM E906/E906M-2017) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E1474-2021, Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1474 -2020A) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E1678-2021a, Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analysis (revision of ANSI/ASTM E1678-2021) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E2032-2021, Guide for Extension of Data from Fire Resistance Tests Conducted in Accordance with ASTM E119 (revision of ANSI/ASTM E2032-2009 (R2017)) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E2102-2021, Test Method for Measurement of Mass Loss and Ignitability for Screening Purposes Using a Conical Radiant Heater (revision of ANSI/ASTM E2102-2017) Final Action Date: 12/21/2021

Revision
ANSI/ASTM E2489-2021, Practice for Statistical Analysis of One-Sample and Two-Sample Interlaboratory Proficiency Testing Programs (revision of ANSI/ASTM E2489-2016) Final Action Date: 12/21/2021

ASTM (ASTM International)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | accreditation@astm.org, www.astm.org

Revision
ANSI/ASTM F1015-2021, Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces (revision of ANSI/ASTM F1015-2003 (R2017)) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F1776-2021, Specification for Eye Protective Devices for Paintball Sports (revision of ANSI/ASTM F1776 -2019) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2337-2021, Test Method for Treestand Fall Arrest System (revision of ANSI/ASTM F2337-2020) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2645-2021, Specification for Bun Slicing Machines (revision of ANSI/ASTM F2645-2016) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2646-2021, Specification for Bread Slicing Machines (revision of ANSI/ASTM F2646-2016) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2879-2021, Specification for Eye Protective Devices for Airsoft Sports (revision of ANSI/ASTM F2879 -2019) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2940-2021, Practice for Air Soft Field Operation (revision of ANSI/ASTM F2940-2013 (R2017)) Final Action Date: 12/21/2021

Revision
ANSI/ASTM F2941-2021, Practice for Air Soft Player Safety Briefing (revision of ANSI/ASTM F2941-2013 (R2017)) Final Action Date: 12/21/2021

AWS (American Welding Society)

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

Revision
ANSI/AWS A5.31M/A5.31-2022, Specification for Fluxes for Brazing and Braze Welding (revision of ANSI/AWS A5.31M/A5.31-2012) Final Action Date: 1/7/2022

AWWA (American Water Works Association)

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

New Standard
ANSI/AWWA G560-2022, Stormwater Management for Water Utilities (new standard) Final Action Date: 1/7/2022

Revision
ANSI/AWWA C300-2022, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C300-2016) Final Action Date: 1/7/2022

Revision
ANSI/AWWA C302-2022, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302-2016) Final Action Date: 1/7/2022

B11 (B11 Standards, Inc.)

P.O. Box 690905, Houston, TX 77269 | cfelinski@b11standards.org, https://www.b11standards.org/

Revision
ANSI/B11.15-2022, Safety Requirements for Bar, Pipe, Tube, and Shape Bending Machines (revision of ANSI B11.15 -2001 (R2020)) Final Action Date: 1/7/2022

CSA (CSA America Standards Inc.)

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

Addenda
ANSI Z21.96a-2021, Portable Water Heaters for Outdoor Use (same as CSA 11.6a) (addenda to ANSI Z21.96-2019) Final Action Date: 1/4/2022

Revision
ANSI Z21.23-2021, Gas Appliance Thermostats (same as CSA 6.6) (revision of ANSI Z21.23-2010 (R2020)) Final Action Date: 1/7/2022

Revision
ANSI Z21.24-2022, Connectors for gas appliances (same as CSA 6.10) (revision of ANSI Z21.24-2015 (R2020)) Final Action Date: 1/7/2022

Revision
ANSI Z21.101-2022, Gas hose connectors for portable and moveable gas appliances (same as CSA 8.5) (revision of ANSI Z21.101-2018) Final Action Date: 1/7/2022

Revision
ANSI/CSA HGV 4.3-2022, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3 -2019) Final Action Date: 1/6/2022

IPC (IPC - Association Connecting Electronics Industries)

3000 Lakeside Drive, Suite 105 N, Bannockburn, IL 60015 | kieronroberson@ipc.org, www.ipc.org

New Standard
ANSI/IPC 9257-2020, Requirements for Electrical Testing of Flexible Printed Electronics (new standard) Final Action Date: 1/6/2022

ISEA (International Safety Equipment Association)

1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | djones@safetyequipment.org, www.safetyequipment.org

Revision
ANSI/ISEA Z308.1-2021, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2015) Final Action Date: 1/6/2022

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

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

National Adoption
INCITS/ISO/IEC 8824-1:2021 [2021], Information technology - Abstract Syntax Notation One (ASN.1) - Part 1: Specification of basic notation (identical national adoption of ISO/IEC 8824-1:2021 and revision of INCITS/ISO/IEC 8824 -1:2015 [2019]) Final Action Date: 12/22/2021

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

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

National Adoption
INCITS/ISO/IEC 8824-2:2021 [2021], Information technology - Abstract Syntax Notation One (ASN.1) - Part 2: Information object specification (identical national adoption of ISO/IEC 8824-2:2021 and revision of INCITS/ISO/IEC 8824-2:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8824-3:2021 [2021], Information technology - Abstract Syntax Notation One (ASN.1) - Part 3: Constraint specification (identical national adoption of ISO/IEC 8824-3:2021 and revision of INCITS/ISO/IEC 8824-3:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8824-4:2021 [2021], Information technology - Abstract Syntax Notation One (ASN.1) - Part 4: Parameterization of ASN.1 specifications (identical national adoption of ISO/IEC 8824-4:2021 and revision of INCITS/ISO/IEC 8824-4:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-1:2021 [2021], Information technology - ASN.1 encoding rules - Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) (identical national adoption of ISO/IEC 8825-1:2021 and revision of INCITS/ISO/IEC 8825-1:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-2:2021 [2021], Information technology - ASN.1 encoding rules - Part 2: Specification of Packed Encoding Rules (PER) (identical national adoption of ISO/IEC 8825-2:2021 and revision of INCITS/ISO/IEC 8825-2:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-3:2021 [2021], Information technology - ASN.1 encoding rules - Part 3: Specification of Encoding Control Notation (ECN) (identical national adoption of ISO/IEC 8825-3:2021 and revision of INCITS/ISO/IEC 8825-3:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-4:2021 [2021], Information technology - ASN.1 encoding rules - Part 4: XML Encoding Rules (XER) (identical national adoption of INCITS/ISO/IEC 8825-4:2021 and revision of INCITS/ISO/IEC 8825-4:2015 [2019]) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-5:2021 [2021], Information technology - ASN.1 encoding rules - Part 5: Mapping W3C XML schema definitions into ASN.1 (identical national adoption of ISO/IEC 8825-5:2021) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-6:2021 [2021], Information technology - ASN.1 encoding rules - Part 6: Registration and application of PER encoding instructions (identical national adoption of ISO/IEC 8825-6:2021) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-7:2021 [2021], Information technology - ASN.1 encoding rules - Part 7: Specification of Octet Encoding Rules (OER) (identical national adoption of ISO/IEC 8825-7:2021) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 8825-8:2021 [2021], Information technology - ASN.1 encoding rules - Part 8: Specification of JavaScript Object Notation Encoding Rules (JER) (identical national adoption of ISO/IEC 8825-8:2021) Final Action Date: 12/22/2021

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

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

National Adoption
INCITS/ISO/IEC 18477-2:2016 [2021], Information technology - Scalable compression and coding of continuous-tone still images - Part 2: Coding of high dynamic range images (identical national adoption of ISO/IEC 18477-2:2016) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 18477-3:2015 [2021], Information technology - Scalable compression and coding of continuous-tone still images - Part 3: Box file format (identical national adoption of ISO/IEC 18477-3:2015) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 18477-6:2016 [2021], Information technology - Scalable compression and coding of continuous-tone still images - Part 6: IDR Integer Coding (identical national adoption of ISO/IEC 18477-6:2016) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 18477-9:2016 [2021], Information technology - Scalable compression and coding of continuous-tone still images - Part 9: Alpha channel coding (identical national adoption of ISO/IEC 18477-9:2016) Final Action Date: 12/22/2021

National Adoption
INCITS/ISO/IEC 21836:2020 [2021], Information technology - Data centres - Server energy effectiveness metric (identical national adoption of ISO/IEC 21836:2020) Final Action Date: 12/30/2021

National Adoption
INCITS/ISO/IEC 29183:2021 [2021], Information technology - Office equipment - Method for measuring digital copying productivity for a single one-sided original (identical national adoption of ISO/IEC 29183:2021 and revision of INCITS/ISO/IEC 29183:2010 [R2021]) Final Action Date: 12/22/2021

NETA (InterNational Electrical Testing Association)

3050 Old Centre Road, Suite 101, Portage, MI 49024 | rkodzwa@netaworld.org, www.netaworld.org

Revision
ANSI/NETA ETT-2022, NETA Standard for Certification of Electrical Testing Technicians (revision of ANSI/NETA ETT -2018) Final Action Date: 1/7/2022

NSF (NSF International)

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

Revision
ANSI/NSF 53-2021 (i139r2), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020) Final Action Date: 12/27/2021

Revision
ANSI/NSF 53-2021 (i140r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2020) Final Action Date: 12/27/2021

Revision
ANSI/NSF 58-2021 (i96r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020) Final Action Date: 12/27/2021

NSF (NSF International)

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

Revision
ANSI/NSF 358-4-2022 (i2r1), Polyethylene of Raised Temperature (PE-RT) Tubing and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-4-2018) Final Action Date: 1/4/2022

Revision
ANSI/NSF/CAN 50-2021 (i182r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 12/27/2021

Revision
ANSI/NSF/CAN 50-2022 (i180r1), Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities (revision of ANSI/NSF/CAN 50-2020) Final Action Date: 1/4/2022

SCTE (Society of Cable Telecommunications Engineers)

140 Philips Rd, Exton, PA 19341 | kcooney@scte.org, www.scte.org

Reaffirmation
ANSI/SCTE 56-2016 (R2021), Digital Multiprogram Distribution by Satellite (reaffirmation of ANSI/SCTE 56-2016) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-1-2017 (R2021), Modular Head End Architecture - Part 1: DOCSIS Timing Interface (reaffirmation of ANSI/SCTE 137-1-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-2-2017 (R2021), Modular Head End Architecture - Part 2: M-CMTS Downstream External PHY Interface (reaffirmation of ANSI/SCTE 137-2-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-3-2017 (R2021), Modular Head End Architecture - Part 3: Operations Support System Interface (reaffirmation of ANSI/SCTE 137-3-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-4-2017 (R2021), Modular Head End Architecture - Part 4: Edge Resource Manager Interface (reaffirmation of ANSI/SCTE 137-4-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-5-2017 (R2021), Modular Head End Architecture - Part 5: Edge QAM Provisioning and Management Interface. (reaffirmation of ANSI/SCTE 137-5-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-6-2017 (R2021), Modular Head End Architecture - Part 6: Edge QAM Video Stream Interface (reaffirmation of ANSI/SCTE 137-6-2017) Final Action Date: 1/7/2022

Reaffirmation
ANSI/SCTE 137-7-2017 (R2021), Modular Head End Architecture - Part 7: EQAM Architectural Overview - Technical Report (reaffirmation of ANSI/SCTE 137-7-2017) Final Action Date: 1/7/2022

Revision
ANSI/SCTE 125-2020, Hard Line Pin Connector Return Loss (revision of ANSI/SCTE 125-2018) Final Action Date: 1/5/2022

TAPPI (Technical Association of the Pulp and Paper Industry)

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

Revision
ANSI/TAPPI T 573 sp-2021, Accelerated temperature aging of printing and writing paper by dry oven exposure apparatus (revision of ANSI/TAPPI T 573 sp-2015) Final Action Date: 1/6/2022

UL (Underwriters Laboratories)

333 Pfingsten Road, Northbrook, IL 60062-2096 | alan.t.mcgrath@ul.org, https://ul.org/

National Adoption
ANSI/UL 60730-2-14-2021, Standard for Automatic Electrical Control - Part 2-14: Particular Requirements for Electric Actuators (national adoption of IEC 60730-2-14 with modifications and revision of ANSI/UL 60730-2-14-2018) Final Action Date: 11/30/2021

Reaffirmation
ANSI/UL 1040-2001 (R2022), Standard for Fire Test of Insulated Wall Construction (November 12, 2021) (reaffirmation of ANSI/UL 1040-2001 (R2017)) Final Action Date: 1/4/2022

Reaffirmation
ANSI/UL 1715-2003 (R2022), Standard for Fire Test of Interior Finish Material (November 12, 2021) (reaffirmation of ANSI/UL 1715-2003 (R2017)) Final Action Date: 1/4/2022

Reaffirmation
ANSI/UL 60745-2-1-2011 (R2022), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-1: Particular Requirements for Drills and Impact Drills (reaffirmation of ANSI/UL 60745-2-1-2011 (R2016)) Final Action Date: 1/7/2022

Revision
ANSI/UL 401-2022, Standard for Portable Spray Hose Nozzles for Fire-Protection Service (revision of ANSI/UL 401 -2017) Final Action Date: 1/6/2022

Revision
ANSI/UL 486F-2021, Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2019) Final Action Date: 12/29/2021

Revision
ANSI/UL 2108-2021, Standard for Safety for Low Voltage Lighting Systems (revision of ANSI/UL 2108-2019) Final Action Date: 12/30/2021

Call for Members (ANS Consensus Bodies)

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

AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | StandardsAssist@gmail.com, www.aarst.org

BSR/AARST RMS-MF-202x, Radon Mitigation Standards for Multifamily Buildings (revision of ANSI/AARST RMS-MF-2020)

BSR/AARST RMS-LB-202x, Radon Mitigation Standards for Schools and Large Buildings (revision of ANSI/AARST RMS-LB-2020)

BSR/AARST SGM-SF-202x, Soil Gas Mitigation Standards for Existing Homes (revision of ANSI/AARST SGM-SF-2020)

SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH 44145 | leh@wherryassoc.com, www.wherryassocsteeldoor.org

BSR A250.11-202x, Recommended Erection Instructions for Steel Frames (revision of ANSI A250.11 -2012)

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS 2019-01 – The Direct Standard™

Are you interested in contributing to the development and maintenance of the DS 2019-01 – The Direct Standard™ to enable exchange of authenticated, encrypted health information to known trusted recipients?
DirectTrust is currently seeking members in the following categories:

- Healthcare Sector
- Government Sector
- Healthcare Payer Sector
- Consumer Sector and General Interest
- Information Technology Sector

If you are interested in joining the DS2019_01- The Direct Standard™ Consensus Body, contact Standards@DirectTrust.org.

ANSI Accredited Standards Developer

DirectTrust - DirectTrust.org, Inc.

DS 2021-04 - Information Exchange for Human Service (IX4HS)

DirectTrust is seeking members for the DS 2021-04 - Information Exchange for Human Service (IX4HS) consensus body. The Information Exchange for Human Services (IX4HS) project will evaluate and identify existing and developing standards (such as the Direct Standard™), or create new standards or profiles as needed, for the secure communication of sensitive information between healthcare settings and Human Services organizations as well as between Human Services organizations for the purposes of endpoint discovery, referral, information exchange, information requests, and care coordination.
This consensus body is currently seeking voting members in the following categories:

- Healthcare Sector
- Government Sector
- Healthcare Payer Sector
- Consumer Sector and General Interest
- Information Technology Sector

If you are interested in joining the DS2021_04- Information Exchange for Human Service (IX4HS) Consensus Body, contact Standards@DirectTrust.org.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

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

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

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

Membership in the INCITS Executive Board is open to all directly and materially 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

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

NCPDP - National Council for Prescription Drug Programs

Enrollment in the 2022 Consensus Group opens January 10, 2022 and closes February 11, 2022.

National Council for Prescription Drug Programs (NCPDP) Enrollment in the 2022 Consensus Group opens **Monday, January 10, 2022** and closes at **8:00 p.m. EST on Friday, February 11, 2022.** Information concerning the Consensus Group registration process is available by contacting: Margaret Weiker, (480) 477-1000, mweiker@ncpdp.org

Standards:

— Audit Transaction Standard – supports an electronic audit transaction that facilitates requests, responses, and final outcomes transmissions for both "Desk Top" claim audits and for in-store audit notices.

— Batch Standard Subrogation - provides a uniform approach to efficiently process post-payment subrogation claims and eliminate the numerous custom formats used in the industry today.

— Benefit Integration Standard - supports the communication of accumulator data (such as deductible and out of pocket) between Benefit Partners to administer integrated benefits for a member.

— Billing Unit Standard - provides a consistent and well-defined billing unit for use in pharmacy transactions. This results in time savings and accuracy in billing and reimbursement.

— Financial Information Reporting Standard – provides a process whereby financial information is moved from one PBM to another when a patient changes benefit plans.

— Formulary and Benefit Standard – provides a standard means for pharmacy benefit payers (including health plans and Pharmacy Benefit Managers) to communicate formulary and benefit information to prescribers via technology vendor systems.

— Manufacturer Rebate Standard – provides a standardized format for the electronic submission of rebate information from Pharmacy Management Organizations (PMOs) to Pharmaceutical Industry Contracting Organizations (PICOs).

— Medicaid Subrogation Standard – provides guidelines for the process whereby a Medicaid agency can communicate to a processor for reimbursement. The state has reimbursed the pharmacy provider for covered services and now is pursuing reimbursement from other payers for these services.

— Medical Rebates Data Submission Standard – provides a standardized format for health plans' rebate submissions to multiple manufacturers throughout the industry. Implementation of the medical also eliminates the need for manufacturers to create internal mapping processes to standardize unique data formats from each health plan or third party administrator.

— Post Adjudication Standard – provides a format for supplying detailed drug or utilization claim information after the claim has been adjudicated.

— Prescription Drug Monitoring Programs (PDMP) Reporting Standard – developed to report controlled substance and other required drug information to assist healthcare providers to deter prescription drug abuse to ensure access for patients with valid medical needs.

— Prescription Transfer Standard – developed to create file formats for the purpose of electronically transferring prescriptions between pharmacies.

— Prior Authorization Transfer Standard – developed to define the file format and correct usage for electronically transferring existing prior authorization data between payer/processors when transitioning clients, performing system database or platform changes, or other scenarios where an existing prior authorization record is stored in one location and needs to be moved to another.

Call for Members (ANS Consensus Bodies)

ANSI Accredited Standards Developer

NCPDP - National Council for Prescription Drug Programs

Enrollment in the 2022 Consensus Group opens January 10, 2022 and closes February 11, 2022.

(Continued from previous page)

— Product Identifiers Standard – developed to provide a standard for consistent formatting and utilization of product identifiers in healthcare and to provide clarification for maintenance of these specific product identifiers.

— Real-Time Prescription Benefit Standard – developed a real-time pharmacy benefit inquiry from a provider EMR application to: leverage pharmacy industry standards and technology infrastructure, to deliver an accurate, pharmacy specific, "Patient Pay Amount" for a proposed medication and quantity and to collaboratively align stakeholders.

— Retiree Drug Subsidy Standard – developed to assist in the automation of summarized drug cost and related data transfer from one processor/pharmacy benefit manager to another processor/ pharmacy benefit manager for continuation of the CMS Retiree Drug Subsidy (RDS) cost data reporting by the receiving entity.

— SCRIPT Standard – developed for transmitting prescription information electronically between prescribers, providers, and other entities.

— Specialized Standard – developed for transmitting information electronically between prescribers, providers, and other entities. The standard addresses the electronic transmission of census information about a patient between a facility and a pharmacy, medication therapy management transactions between providers, payers, pharmacies, and other entities. It will include other transactions for electronic exchanges between these entities in the future.

— Specialty Pharmacy Data Reporting Standard - provides a standardized format for the data submitted by specialty pharmacy to drug manufacturers/others to support programs and agreements between the parties.

— State Medicaid Provider File Standard - developed a standard by which state Medicaid agencies or other entities could communicate their provider data with the MCOs/PBMs in a consistent and streamlined manner.

— Telecommunication Standard – developed a standardized format for electronic communication of claims and other transactions between pharmacy providers, insurance carriers, third-party administrators, and other responsible parties.

— Uniform Healthcare Payer Data Standard – developed a standard format for pharmacy claim data to support the reporting requirements of claim data to states or their designees.

ANSI Accredited Standards Developer

SCTE (Society of Cable Telecommunications Engineers)

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

SCTE is currently seeking to broaden the membership base of its ANS consensus bodies and is interested in new members in all membership categories to participate in new work in fiber-optic networks, advanced advertising, 3D television, and other important topics. Of particular interest is membership from the content (program and advertising) provider and user communities. Membership in the SCTE Standards Program is open to all directly and materially affected parties as defined in SCTE's membership rules and operating procedures. More information is available at www.scte.org or by e-mail from standards@scte.org.

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

Accreditation Announcements (Standards Developers)

Approval of Reaccreditation – ASD

NBBPVI - National Board of Boiler and Pressure Vessel Inspectors

Effective January 12, 2022

ANSI's Executive Standards Council (ExSC) has approved the reaccreditation of **NBBPVI - National Board of Boiler and Pressure Vessel Inspectors** under its recently revised operating procedures for documenting consensus on NBBPVI-sponsored American National Standards, effective **January 12, 2022**. For additional information, please contact: Gary Scribner, National Board of Boiler and Pressure Vessel Inspectors (NBBPVI) | 1055 Crupper Avenue, Columbus, OH 43229-1183 | (614) 431-3221, gscribner@nationalboard.org

American National Standards (ANS) Process

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

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

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

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

American National Standards Under Continuous Maintenance

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

The standard shall be maintained by an accredited standards developer. A documented program for periodic publication of revisions shall be established by the standards developer. Processing of these revisions shall be in accordance with these procedures. The published standard shall include a clear statement of the intent to consider requests for change and information on the submittal of such requests. Procedures shall be established for timely, documented consensus action on each request for change and no portion of the standard shall be excluded from the revision process. In the event that no revisions are issued for a period of four years, action to reaffirm or withdraw the standard shall be taken in accordance with the procedures contained in the ANSI Essential Requirements.

The Executive Standards Council (ExSC) has determined that for standards maintained under the Continuous Maintenance option, separate PINS announcements are not required. The following ANSI Accredited Standards Developers have formally registered standards under the Continuous Maintenance option.

- AAMI (Association for the Advancement of Medical Instrumentation)
- AARST (American Association of Radon Scientists and Technologists)
- AGA (American Gas Association)
- AGSC (Auto Glass Safety Council)
- ASC X9 (Accredited Standards Committee X9, Incorporated)
- ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
- ASME (American Society of Mechanical Engineers)
- ASTM (ASTM International)
- GBI (Green Building Initiative)
- HL7 (Health Level Seven)
- Home Innovation (Home Innovation Research Labs)
- IES (Illuminating Engineering Society)
- ITI (InterNational Committee for Information Technology Standards)
- MHI (Material Handling Industry)
- NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
- NCPDP (National Council for Prescription Drug Programs)
- NEMA (National Electrical Manufacturers Association)
- 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 (ASD) Contacts

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

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ISO & IEC Draft International Standards

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

COMMENTS

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

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

ORDERING INSTRUCTIONS

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

ISO Standards

Agricultural food products (TC 34)

ISO/FDIS 5984, Animal feeding stuffs - Determination of crude ash - 7/9/2020, $58.00

Aircraft and space vehicles (TC 20)

ISO/DIS 1151-8, Flight dynamics - Concepts, quantities and symbols - Part 8: Concepts and quantities used in the study of the dynamic behaviour of aircraft - 3/20/2022, $58.00

Applications of statistical methods (TC 69)

ISO/DIS 5725-3, Accuracy (trueness and precision) of measurement methods and results - Part 3: Intermediate precision and alternative designs for collaborative studies - 11/11/2021, $125.00

Biotechnology (TC 276)

ISO/DIS 20399, Biotechnology - Ancillary materials present during the production of cellular therapeutic products and gene therapy products - 11/11/2021, $98.00

Building construction machinery and equipment (TC 195)

ISO/DIS 21467, Drilling and foundation machinery - Horizontal directional drilling (HDD) machines - Commercial specifications - 11/11/2021, $62.00

Concrete, reinforced concrete and pre-stressed concrete (TC 71)

ISO/DIS 20290-5, Aggregates for concrete - Test methods for mechanical and physical properties - Part 5: Determination of particle size distribution by sieving method - 11/6/2021, $46.00

ISO/DIS 24684-2, Aggregates for concrete - Test methods for chemical properties - Part 2: Determination of soluble sulphate salts - 11/6/2021, $40.00

Document imaging applications (TC 171)

ISO/DIS 4669-1, Document management - Information classification, marking and handling - Part 1: Requirements - 6/17/2021, $107.00

Energy management and energy savings (TC 301)

ISO/DIS 50006, Energy management systems - Evaluating energy performance using energy baselines and energy performance indicators - 11/8/2021, $112.00

Fluid power systems (TC 131)

ISO/DIS 1179-2, Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing - Part 2: Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E) - 3/20/2022, $46.00

Gas cylinders (TC 58)

ISO/DIS 4706, Gas cylinders - Refillable welded steel cylinders - Test pressure 60 bar and below - 11/7/2021, $102.00

ISO/DIS 11623, Gas cylinders - Composite cylinders and tubes - Periodic inspection and testing - 4/2/2022, $102.00

Graphic technology (TC 130)

ISO/DIS 2834-2, Graphic technology - Laboratory preparation of test prints - Part 2: Liquid printing inks - 11/6/2021, $46.00

Graphical symbols (TC 145)

ISO/DIS 20560-2, Safety information for the content of piping systems and tanks - Part 2: Tanks - 11/7/2021, $71.00

Industrial trucks (TC 110)

ISO/DIS 6055, Industrial trucks - Overhead guards - Specification and testing - 11/6/2021, $62.00

Materials for the Production of Primary Aluminium (TC 226)

ISO/DIS 17499, Carbonaceous materials used in the production of aluminium - Determination of baking level expressed by equivalent temperature - 11/6/2021, $46.00

Mechanical testing of metals (TC 164)

ISO/DIS 14556, Metallic materials - Charpy V-notch pendulum impact test - Instrumented test method - 3/20/2022, $71.00

Metallic and other inorganic coatings (TC 107)

ISO/FDIS 4531, Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits - 1/7/2021, $53.00

Nuclear energy (TC 85)

ISO/FDIS 10645, Nuclear energy - Light water reactors - Decay heat power in non-recycled nuclear fuels - 2/6/2021, $77.00

Optics and optical instruments (TC 172)

ISO/DIS 11382, Optics and photonics - Optical materials and components - Characterization of optical materials used in the infrared spectral range from 0,78 µm to 25 µm - 4/1/2022, $58.00

Paper, board and pulps (TC 6)

ISO/DIS 9184-1, Paper, board and pulps - Fibre furnish analysis - Part 1: General method - 11/11/2021, $53.00

ISO/DIS 12625-15, Tissue paper and tissue products - Part 15: Determination of optical properties - Measurement of brightness and colour with C/2° (indoor daylight) illuminant - 11/11/2021, $53.00

Plastics (TC 61)

ISO/DIS 23524, Plastics - Determination of fracture toughness of films and thin sheets: the essential work of fracture (EWF) method - 11/6/2021, $77.00

Road vehicles (TC 22)

ISO/FDIS 11010-1, Passenger cars - Simulation model classification - Part 1: Vehicle dynamics - 7/12/2020, $98.00

ISO/FDIS 16844-2, Road vehicles - Tachograph systems - Part 2: Recording unit communication interface - 3/27/2021, $40.00

ISO/FDIS 15118-20, Road vehicles - Vehicle to grid communication interface - Part 20: 2nd generation network layer and application layer requirements -, $281.00

ISO/DIS 15500-13, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 13: Pressure relief device (PRD) - 4/1/2022, $62.00

Rubber and rubber products (TC 45)

ISO/FDIS 18064, Thermoplastic elastomers - Nomenclature and abbreviated terms - 1/29/2021, $46.00

Safety of machinery (TC 199)

ISO/DIS 13855, Safety of machinery - Positioning of safeguards with respect to the approach of the human body - 3/19/2022, $155.00

Solar energy (TC 180)

ISO/DIS 9847, Solar energy - Calibration of pyranometers by comparison to a reference pyranometer - 3/17/2022, $102.00

Solid Recovered Fuels (TC 300)

ISO/DIS 21911-1, Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry - 11/6/2021, $62.00

Sports and recreational equipment (TC 83)

ISO/DIS 9838, Alpine and touring ski-bindings - Test soles for ski-binding tests - 11/7/2021, $58.00

Sterilization of health care products (TC 198)

ISO/DIS 11737-3, Sterilization of health care products - Microbiological methods - Part 3: Bacterial endotoxin testing - 11/7/2021, $134.00

(TC 317)

ISO/DIS 31700, Consumer protection - Privacy by design for consumer goods and services - 11/7/2021, $107.00

Traditional Chinese medicine (TC 249)

ISO/DIS 4564, Traditional Chinese Medicine - Scutellaria baicalensis root - 4/1/2022, $58.00

Transport information and control systems (TC 204)

ISO/DIS 4272, Intelligent transport systems - Truck platooning systems (TPS) - Functional and operational requirements - 11/8/2021, $107.00

ISO/DIS 14906, Electronic fee collection - Application interface definition for dedicated short-range communication - 11/11/2021, $175.00

Tyres, rims and valves (TC 31)

ISO/DIS 5383.2, Agricultural tyres for lawn and garden tractors - 3-part code designated tyres - 11/7/2021, $67.00

ISO/DIS 21634, Rubber flaps for tyres - Technical requirements and test methods - 11/6/2021, $58.00

Valves (TC 153)

ISO/DIS 5640, Industrial valves - Mounting kits for part-turn valve actuator attachment - 11/11/2021, $67.00

Welding and allied processes (TC 44)

ISO/DIS 15615.2, Gas welding equipment - Acetylene manifold systems for welding, cutting and allied processes - Safety requirements in high-pressure devices - 11/7/2021, $71.00

ISO/IEC JTC 1, Information Technology

ISO/IEC DIS 27556, Information security, cybersecurity and privacy protection - User-centric privacy preferences management framework - 11/6/2021, $82.00

ISO/IEC DIS 27557, Information technology - Information security, cybersecurity and privacy protection - Organizational privacy risk management - 11/6/2021, $77.00

ISO/IEC DIS 27559, Privacy enhancing data de-identification framework - 11/6/2021, $77.00

ISO/IEC FDIS 38507, Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations - 2/19/2021, $93.00

ISO/IEC DIS 23200-2, Information technology - Radio frequency identification for item management - Part 2: Interference rejection performance test method between an Interrogator as defined in ISO/IEC 18000-63 and a heterogeneous wireless system - 11/11/2021, $62.00

ISO/IEC DIS 27035-2, Information technology - Information security incident management - Part 2: Guidelines to plan and prepare for incident response - 11/6/2021, $134.00

ISO/IEC DIS 29128-1, Information security, cybersecurity and privacy protection - Verification of cryptographic protocols - Part 1: Framework - 11/7/2021, $71.00

ISO/IEC/IEEE FDIS 8802-1CS, Telecommunications and exchange between information technology systems - Requirements for local and metropolitan area networks - Part 1CS: Link-local registration protocol -, $175.00

Other

ISO/IEC FDIS 17060, Conformity assessment - Code of good practice - 4/11/2021, $46.00

IEC Standards

8/1612/CD, IEC TS 63222-2 ED1: Power quality management - Part 2: Power Quality Monitoring System, 04/01/2022

9/2792/NP, PNW 9-2792 ED1: Railway applications - Fixed installations - Electronic power converters - Part 3-2: AC Traction Applications - Static frequency converter, 04/01/2022

37A/367/CD, IEC 61643-41 ED1: Low-voltage surge protective devices - Part 41: Surge protective devices connected to DC low-voltage power systems - Requirements and test methods, 04/29/2022

46F/597(F)/FDIS, IEC 63295 ED1: Specification for WB series glass beads with 50Ω impedance for RF connectors, 01/28/2022

48B/2934/CDV, IEC 61076-2-116 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 2 -116: Detail specification for circular connectors size 15 with up to 3+PE power contacts and auxiliary contacts, with bayonet-locking, 04/01/2022

86A/2179(F)/FDIS, IEC 60794-1-220 ED1: Optical fibre cables - Part 1 -220: Generic specification - Basic optical cable test procedures - Environmental test methods - Salt spray corrosion test, method F20, 02/11/2022

99/353/CDV, IEC 60071-11 ED1: Insulation co-ordination - Part 11: Definitions, principles and rules for HVDC system, 04/01/2022

111/645/CDV, IEC 62321-12 ED1: Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry, 04/01/2022

8/1612/CD, IEC TS 63222-2 ED1: Power quality management - Part 2: Power Quality Monitoring System, 04/01/2022

9/2792/NP, PNW 9-2792 ED1: Railway applications - Fixed installations - Electronic power converters - Part 3-2: AC Traction Applications - Static frequency converter, 04/01/2022

37A/367/CD, IEC 61643-41 ED1: Low-voltage surge protective devices - Part 41: Surge protective devices connected to DC low-voltage power systems - Requirements and test methods, 04/29/2022

46F/597(F)/FDIS, IEC 63295 ED1: Specification for WB series glass beads with 50Ω impedance for RF connectors, 01/28/2022

48B/2934/CDV, IEC 61076-2-116 ED1: Connectors for electrical and electronic equipment - Product requirements - Part 2 -116: Detail specification for circular connectors size 15 with up to 3+PE power contacts and auxiliary contacts, with bayonet-locking., 04/01/2022

86A/2179(F)/FDIS, IEC 60794-1-220 ED1: Optical fibre cables - Part 1 -220: Generic specification - Basic optical cable test procedures - Environmental test methods - Salt spray corrosion test, method F20, 02/11/2022

99/353/CDV, IEC 60071-11 ED1: Insulation co-ordination - Part 11 - Definitions, principles and rules for HVDC system, 04/01/2022

111/645/CDV, IEC 62321-12 ED1: Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination- Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry, 04/01/2022

Alarm systems (TC 79)

79/650(F)/CDV, IEC 62676-6 ED1: Video surveillance systems for use in security applications - Part 6: Performance testing and grading of real-time intelligent video content analysis devices & systems for use in video surveillance applications, 03/04/2022

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

46A/1552/FDIS, IEC 61196-11-1 ED2: Coaxial communication cables - Part 11-1: Blank detail specification for semi-rigid cables with polyethylene (PE) dielectric, 02/18/2022

46A/1553/FDIS, IEC 61196-9-2 ED1: Coaxial communication cables - Part 9-2: Detail specification for 50-0,4 type RF flexible cables, 02/18/2022

46C/1214/DTR, IEC TR 61156-1-2 ED2: Multicore and symmetrical pair/quad cables for digital communications - Part 1-2: Electrical transmission characteristics and test methods of symmetrical pair/quad cables, 03/04/2022

46F/596(F)/FDIS, IEC 61169-68 ED1: Radio-frequency connectors - Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors, 01/28/2022

46F/598(F)/FDIS, IEC 61169-1-6 ED1: Radio-frequency connectors - Part 1-6: Electrical test methods - RF power, 01/28/2022

46F/599(F)/FDIS, IEC 61169-67 ED1: Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors, 01/28/2022

Electric road vehicles and electric industrial trucks (TC 69)

69/814/FDIS, ISO 15118-20 ED1: Road vehicles - Vehicle to grid communication interface - Part 20: Network and application protocol requirements, 02/18/2022

Electrical accessories (TC 23)

23/991/CDV, IEC 61535 ED3: Installation couplers intended for permanent connection in fixed installations, 04/01/2022

23G/470/CDV, IEC 60320-3/AMD2 ED1: Amendment 2 - Appliance couplers for household and similar general purposes - Part 3: Standard sheets and gauges, 04/01/2022

23G/471/CDV, IEC 60799/AMD1 ED3: Amendment 1 - Electrical accessories - Cord sets and interconnection cord sets, 04/01/2022

Electrical apparatus for explosive atmospheres (TC 31)

31/1613/CD, IEC/IEEE 60079-30-1 ED2: Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements, 03/04/2022

31/1614/CD, IEC/IEEE 60079-30-2 ED2: Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance, 03/04/2022

Electroacoustics (TC 29)

29/1109/FDIS, IEC 60645-6 ED2: Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions, 02/18/2022

Electromagnetic compatibility (TC 77)

77A/1136/DTR, IEC TR 61000-1-4 ED2: Electromagnetic compatibility (EMC) - Part 1-4: General - Historical rationale for the limitation of power-frequency conducted harmonic current emissions from equipment, in the frequency range up to 2 kHz, 03/04/2022

Lamps and related equipment (TC 34)

34B/2131(F)/FDIS, IEC 60061-1/AMD62 ED3: Amendment 62 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps, 02/04/2022

Maritime navigation and radiocommunication equipment and systems (TC 80)

80/1022/CD, IEC 61162-1 ED6: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners, 03/04/2022

80/1023/CD, IEC 61162-2 ED2: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission, 03/04/2022

80/1024/CD, IEC 61162-450 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection, 03/04/2022

80/1025/CD, IEC 61162-460 ED3: Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security, 03/04/2022

Nuclear instrumentation (TC 45)

45B/991/CD, IEC 63391 ED1: General technical requirements for millimeter wave holographic imaging body scanner, 04/01/2022

Power electronics (TC 22)

22F/670/CDV, IEC 61975/AMD2 ED1: Amendment 2 - High-voltage direct current (HVDC) installations - System tests, 04/01/2022

Power system control and associated communications (TC 57)

57/2452(F)/FDIS, IEC 62325-451-8 ED1: Framework for energy market communications - Part 451-8: HVDC processes, contextual and assembly models for European style market, 01/28/2022

Rotating machinery (TC 2)

2/2084(F)/FDIS, IEC 60034-1 ED14: Rotating electrical machines - Part 1: Rating and performance, 01/21/2022

2/2087/CD, IEC 60034-30-3 ED1: Rotating electrical machines - Part 30-3 Efficiency classes of high voltage AC motors (IE code), 04/01/2022

Semiconductor devices (TC 47)

47/2749/NP, PNW 47-2749 ED1: Semiconductor devices - Fault test method for semiconductor devices in automotive vehicles - Part 1: General conditions and definitions, 04/01/2022

47/2750/NP, PNW 47-2750 ED1: Semiconductor devices - Generic semiconductor qualification guidelines - Part 3: Guidelines for reliability qualification plans for power semiconductor module, 04/01/2022

47A/1130(F)/FDIS, IEC 62228-7 ED1: Integrated circuits - EMC evaluation of transceivers - Part 7: CXPI transceivers, 02/04/2022

Solar photovoltaic energy systems (TC 82)

82/1990/CD, IEC TS 63202-3 ED1: Photovoltaic cells - Part 3: Measurement of current-voltage characteristics of bifacial photovoltaic cells, 04/01/2022

82/1993/DTS, IEC TS 63265 ED1: Reliability practices for the operation of photovoltaic power systems (PVPS), 04/01/2022

82/1994/DTS, IEC TS 63202-4 ED1: Photovoltaic cells - Part 4: Measurement of light and elevated temperature induced degradation of crystalline silicon photovoltaic cells, 04/01/2022

Surge arresters (TC 37)

37A/366/CD, IEC 61643-01 ED1: Low-voltage surge protective devices - Part 01: General Requirements and test methods, 04/29/2022

37A/368/CD, IEC 61643-11 ED2: Low-voltage surge protective devices - Part 11: Surge protective devices connected to AC low-voltage power systems - Requirements and test methods, 04/29/2022

SyCSmartEnergy

SyCSmartEnergy/196/NP, PNW TS SYCSMARTENERGY-196 ED1: Reference Guidance for Energy Service Business Using Thermal Energy Storage Systems, 02/04/2022

SyCSmartEnergy/199/NP, PNW TS SYCSMARTENERGY-199 ED1: Reference Guidance for Energy Service Business Using Thermal Energy Storage Systems, 04/01/2022

Ultrasonics (TC 87)

87/783(F)/FDIS, IEC 62127-1 ED2: Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields, 01/28/2022

87/784(F)/FDIS, IEC 61689 ED4: Ultrasonics - Physiotherapy systems - Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz, 01/28/2022

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

Acoustics (TC 43)

ISO 13472-1:2022, Acoustics - Measurement of sound absorption properties of road surfaces in situ - Part 1: Extended surface method, $175.00

Consumer protection: privacy by design for consumer goods and services (TC 317)

ISO/DIS 31700, Consumer protection - Privacy by design for consumer goods and services, $58.00

Earth-moving machinery (TC 127)

ISO 21815-1:2022, Earth-moving machinery - Collision warning and avoidance - Part 1: General requirements, $111.00

Mechanical testing of metals (TC 164)

ISO 23296:2022, Metallic materials - Fatigue testing - Force controlled thermo-mechanical fatigue testing method, $175.00

Metallic and other inorganic coatings (TC 107)

ISO 24284:2022, Metallic coatings - Corrosion test method for decorative chrome plating under a de-icing salt environment, $73.00

Optics and optical instruments (TC 172)

ISO 19056-3:2022, Microscopes - Definition and measurement of illumination properties - Part 3: Incident light fluorescence microscopy with incoherent light sources, $73.00

Petroleum products and lubricants (TC 28)

ISO 8222:2020/Amd 1:2022, Petroleum measurement systems - Calibration - Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials) - Amendment 1: Correction of two typographical errors, $20.00

Soil quality (TC 190)

ISO 23646:2022, Soil quality - Determination of organochlorine pesticides by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD), $175.00

ISO Technical Reports

Natural gas (TC 193)

ISO/TR 7262:2022, Natural gas - Coalbed methane quality designation and the applicability of ISO/TC 193 current standards, $149.00

ISO Technical Specifications

Geotechnics (TC 182)

ISO/TS 24283-1:2022, Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator, $111.00

ISO/TS 24283-2:2022, Geotechnical investigation and testing - Qualification criteria and assessment - Part 2: Responsible expert, $48.00

ISO/TS 24283-3:2022, Geotechnical investigation and testing - Qualification criteria and assessment - Part 3: Qualified enterprise, $48.00

ISO/IEC JTC 1, Information Technology

ISO/IEC 18013-3:2017/Amd 1:2022, Information technology - Personal identification - ISO-compliant driving licence - Part 3: Access control, authentication and integrity validation - Amendment 1: PACE protocol, $20.00

IEC Standards

Electromagnetic compatibility (TC 77)

IEC 61000-3-3 Amd.2 Ed. 3.0 b Cor.1:2022, Corrigendum 1 - 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, $0.00

Electromechanical components and mechanical structures for electronic equipments (TC 48)

IEC 61587-1 Ed. 5.0 b:2022, Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test setups and safety aspects, $310.00

Semiconductor devices (TC 47)

IEC 60747-5-15 Ed. 1.0 en:2022, Semiconductor devices - Part 5-15: Optoelectronic devices - Light emitting diodes - Test method of the flat-band voltage based on the electroreflectance spectroscopy, $89.00

Wind turbine generator systems (TC 88)

IEC 61400-50-3 Ed. 1.0 b:2022, Wind energy generation systems - Part 50-3: Use of nacelle-mounted lidars for wind measurements, $392.00

Registration of Organization Names in the United States

The Procedures for Registration of Organization Names in the United States of America (document ISSB 989) require that alphanumeric organization names be subject to a 90-day Public Review period prior to registration. For further information, please contact the Registration Coordinator at (212) 642-4975.
When organization names are submitted to ANSI for registration, they will be listed here alphanumerically. Alphanumeric names appearing for the first time are printed in bold type. Names with confidential contact information, as requested by the organization, list only public review dates.

Public Review

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

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

Proposed Foreign Government Regulations

Call for Comment

U.S. manufacturers, exporters, 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; F: (301) 926-1559; E: usatbtep@nist.gov or notifyus@nist.gov.

BSR/ASHRAE Addendum n
to ANSI/ASHRAE Standard 15-2019

First Public Review Draft

Proposed Addendum n to Standard 15-2019, Safety Standard for Refrigeration Systems

First Public Review (January 2022)
(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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FOREWORD

This proposed addendum to ANSI/ASHRAE Standard 15-2019 addresses a continuous maintenance proposal to clarify wording means face velocity. The reader is reminded that Addendum f to Standard 15-2019 modified Informative Appendix A to be a repository for explanatory material.

Note: This addendum makes proposed changes to the current standard. 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 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 n to Standard 15-2019

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.6.3.3 ***Refrigeration Systems with Air Circulation.** Devices containing hot surfaces exceeding 1290°F (700°C) *shall not* be located in the ductwork that serves the space unless there is an average airflow velocity no less than ~~a minimum airflow of~~ 200 ft/min (1.0 m/s) across the heating device(s) and there is proof of airflow before the heating device(s) is energized.

[…]

Note to Reviewers: The 2019 published edition of ANSI/ASHRAE Standard 15-2019 was modified by Addendum f to insert a new Informative Appendix A, "Explanatory Material," redesignated the published Informative Appendix A, "Informative References," to Informative Appendix B, "Informative References," and redesignated the published Normative Appendix B, "Normative References," to Section 14, "Normative References." To reduce confusion, this proposed addendum uses the revisions published in Addendum f as a baseline.

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

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

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number, and the associated appendix information is located in a corresponding section number preceded by "A".

[…]

A7.6.3.3 The average airflow velocity is calculated as the volumetric airflow rate through the duct containing the

hot surface divided by the area of airflow through the heating device.

BSR/ASHRAE Addendum o
to ANSI/ASHRAE Standard 15-2019

First Public Review Draft

Proposed Addendum o to Standard 15-2019, Safety Standard for Refrigeration Systems

First Public Review (January 2022)
(Draft shows Proposed Changes to Current Standard)

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

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FOREWORD

This proposed addendum to ANSI/ASHRAE Standard 15-2019 addresses a continuous maintenance proposal to clarify intent and requirement for notification and is a result of discussions as part of the ICC code development process. The reader is reminded that Addendum f to Standard 15-2019 modified Informative Appendix A to be a repository for explanatory material.

Note: This addendum makes proposed changes to the current standard. 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 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 o to Standard 15-2019

Modify Section 5 as follows. The remainder of Section 5 remains unchanged.

5. REFRIGERATING SYSTEM CLASSIFICATION

[…]

5.3.1 *The owner or the owner's authorized agent *shall* be notified prior to making a change of *refrigerant*, and the change of *refrigerant shall not* be made where the owner objects to the change.~~The change of *refrigerant shall* be *approved* by the owner.~~

[…]

Note to Reviewers: The 2019 published edition of ANSI/ASHRAE Standard 15-2019 was modified by Addendum f to insert a new Informative Appendix A, "Explanatory Material," redesignated the published Informative Appendix A, "Informative References," to Informative Appendix B, "Informative References," and redesignated the published Normative Appendix B, "Normative References," to Section 14, "Normative References." To reduce confusion, this proposed addendum uses the revisions published in Addendum f as a baseline.

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

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

INFORMATIVE APPENDIX A—EXPLANATORY MATERIAL

Sections of the standard with associated explanatory information in this appendix are marked with an asterisk "*" after the section number, and the associated appendix information is located in a corresponding section number preceded by "A".

[…]

A5.3.1 The intent of notifying the owner or owner's agent is to ensure the owner of the building is aware of the

change and can address any consequences to the building or occupancy that might be tied to the change of *refrigerant*. The owner notification can be made by the designer, contractor, installer, or any other party involved in the proposed *refrigerant* change.

BSR/ASHRAE Addendum p
to ANSI/ASHRAE Standard 15-2019

First Public Review Draft

Proposed Addendum p to Standard 15-2019, Safety Standard for Refrigeration Systems

First Public Review (January 2022)
(Draft shows Proposed Changes to Current Standard)

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

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FOREWORD

Efforts to address impending required refrigerant changes have been ongoing for many years. ASHRAE SSPC 34 first created the A2L subcategory in 2010, and ASHRAE SSPC 15 created a working group in 2010 to begin work on how to address that group of refrigerants in ANSI/ASHRAE Standard 15. SSPC 15 published its first addenda in 2018 (addendum d and addendum h to ANSI/ASHRAE Standard 15-2016). UL and CSA published the first major revision to their safety standard (UL 60335-2-40/CSA 22.2 No. 60335-2-40 3rd edition) in 2019. Many research projects have been completed, including joint research by AHRI, ASHRAE, DOE, and California Air Resources Board, which began research project activity in 2015. One research project recently completed is AHRTI-9015, Assessment of Refrigerant Leakage Mitigation Effectiveness for Air-Conditioning and Refrigeration Equipment *(the final report is publicly available at www.ahrinet.org/App_Content/ahri/files/RESEARCH/AHRTI9015_Final.pdf).*

SSPC 15 created a working group (WG02) in 2019 to study the differences in requirements of ANSI/ASHRAE Standard 15, the draft BSR/ASHRAE Standard 15.2P, and the product safety standard, and tasked the group with harmonizing the requirements, to the extent possible. The working group was opened broadly to interested stakeholders, and included participants including code consultants, fire service, government agencies, users of the standard, academia, equipment manufacturers, component manufacturers, refrigerant manufacturers, and industry associations. The results of the AHRTI-9015 research, completed by UL at their facility in Northbrook, IL, were shared with the WG02 during meetings in May 2021 and at the SSPC 15 meetings in June 2021. This proposed addendum to Standard 15-2019 makes a modification to refrigerant charge quantity limits, which aligns Standard 15 with the outcome of the research project. This modification will also make the requirements in Standard 15 more consistent with the requirements of the product safety standard.

Note: This addendum makes proposed changes to the current standard. 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 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 p to Standard 15-2019

Modify Section 7 as follows. The remainder of Section 7 remains unchanged.

7. RESTRICTIONS ON REFRIGERANT USE

[…]

7.6 Group A2L *Refrigerants* for Human Comfort. High-probability systems using Group A2L *refrigerants* for human comfort applications *shall* comply with this section.

~~**7.6.1 *Refrigerant Concentration Limits***~~

~~**7.6.1.1** *Occupied spaces shall* comply with Section 7.2.~~

~~**7.6.1.2** Unoccupied spaces with *refrigerant* containing equipment, including but not limited to *piping* or tubing, *shall* comply with Section 7.2 except as permitted by Section 7.6.4.~~

7.6.1 *Refrigerant* Quantity Limits. The maximum *refrigerant* charge of any *independent circuit* of each refrigeration system *shall* be as specified in Sections 7.6.1.1 and 7.6.1.2.

7.6.1.1 Refrigeration Systems with Air Circulation. Where a high-probability system for human comfort using Group A2L *refrigerants* has either:

a. air circulation initiated by a *refrigerant detector* in compliance with Section 7.6.5, or

b. continuous air circulation,

the *refrigerant* charge quantity *shall* be limited per the following equation:

$$M = V \times LFL \times CF \times F_{OCC}$$

where:

M	=	*refrigerant* charge of the largest *independent circuit* of the system, lb (kg)
V	=	volume of space established in accordance with Section 7.3, ft^3 (m^3)
LFL	=	*lower flammability limit*, lb/ft^3 (kg/m^3)
CF	=	concentration factor, value of 0.5
F_{OCC}	=	occupancy adjustment factor. For all occupancies other than institutional, F_{OCC} has a value of 1. For institutional occupancies, F_{OCC} has a value of 0.5.

7.6.1.2 Other Refrigeration Systems. For any refrigeration system not meeting the requirements of Section 7.6.1.1, the *refrigerant* charge of the largest *independent circuit* of the system *shall not* exceed the appropriate value in Table 7.6.1.2, "*Refrigerant* Charge Limit." The floor area, *FA*, (in ft^2 [m^2]) *shall* be the floor area of the volume of space established in accordance with Section 7.3. The height *h shall* be the lowest of any *duct* opening, supply or return, or the lowest point of the equipment opening delivering conditioned air. Linear interpretation *shall* be used for floor area, if necessary. Height below 5.9 ft (1.8 m) *shall* use the first height column. Heights greater than or equal to 9.0 ft (2.75 m) *shall* use the last height column. For heights in between the values listed, linear interpolation or the next lower value *shall* be used.

Table 7.6.1.2 *Refrigerant* Charge Limit (I-P)

Floor Area, *FA* (ft^2)	Height, *h* (ft)							
	≤ 2.0	3.3	4.6	5.9	6.6	7.2	8.0	≥ 9.0
100	4.0	4.0	5.3	6.9	7.6	7.6	7.6	7.6
125	4.0	4.3	6.0	7.7	8.5	9.4	9.5	9.5
150	4.0	4.7	6.5	8.4	9.3	10.3	11.4	11.4
175	4.0	5.0	7.1	9.1	10.1	11.1	12.4	13.4
200	4.0	5.4	7.6	9.7	10.8	11.9	13.2	14.8
225	4.0	5.7	8.0	10.3	11.4	12.6	14.0	15.7
250	4.0	6.0	8.4	10.9	12.1	13.3	14.8	16.5
300	4.0	6.6	9.3	11.9	13.2	14.5	16.2	18.1
350	4.3	7.1	10.0	12.8	14.3	15.7	17.5	19.6
400	4.6	7.6	10.7	13.7	15.3	16.8	18.7	20.9
450	4.9	8.1	11.3	14.6	16.2	17.8	19.8	22.2
500	5.1	8.5	11.9	15.4	17.1	18.8	20.9	23.4
600	5.6	9.3	13.1	16.8	18.7	20.6	22.9	25.6
700	6.1	10.1	14.1	18.2	20.2	22.2	24.7	27.7
800	6.5	10.8	15.1	19.4	21.6	23.7	26.4	29.6
900	6.9	11.4	16.0	20.6	22.9	25.2	28.0	31.4
1000	7.2	12.1	16.9	21.7	24.1	26.5	29.6	33.1
1200	7.9	13.2	18.5	23.8	26.4	29.1	32.4	36.3
1400	8.6	14.3	20.0	25.7	28.6	31.4	35.0	39.2
1600	9.2	15.3	21.4	27.5	30.5	33.6	37.4	41.9
1800	9.7	16.2	22.7	29.1	32.4	35.6	39.7	44.4
2000	10.2	17.1	23.9	30.7	34.1	37.5	41.8	46.8
2250	10.9	18.1	25.3	32.6	36.2	39.8	44.3	49.6
2500	11.4	19.1	26.7	34.3	38.2	42.0	46.7	52.3
2750	12.0	20.0	28.0	36.0	40.0	44.0	49.0	54.9
3000	12.5	20.9	29.3	37.6	41.8	46.0	51.2	57.3
3500	13.5	22.6	31.6	40.6	45.1	49.7	55.3	61.9
4000	14.5	24.1	33.8	43.4	48.3	53.1	59.1	66.2
4500	15.4	25.6	35.8	46.1	51.2	56.3	62.7	70.2
5000	16.2	27.0	37.8	48.6	54.0	59.4	66.1	74.0
6000	17.7	29.6	41.4	53.2	59.1	65.0	72.4	81.1
7000	19.2	31.9	44.7	57.5	63.8	70.2	78.2	87.6
8000	20.5	34.1	47.8	61.4	68.3	75.1	83.6	93.6
9000	21.7	36.2	50.7	65.2	72.4	79.6	88.7	99.3
10000	22.9	38.2	53.4	68.7	76.3	83.9	93.5	104.7
15000	28.0	46.7	65.4	84.1	93.5	102.8	114.5	128.2
20000	32.4	54.0	75.5	97.1	107.9	118.7	132.2	148.0
25000	36.2	60.3	84.5	108.6	120.7	132.7	147.8	165.5
28000	38.3	63.8	89.4	114.9	127.7	140.5	156.4	175.1

Table 7.6.1.2 *Refrigerant* Charge Limit (SI)

Floor Area,	Height, *h* (m)							
FA (m^2)	≤ 0.60	1.00	1.40	1.80	2.00	2.20	2.45	≥ 2.74
5	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
10	1.8	1.8	2.5	3.2	3.6	3.7	3.7	3.7
15	1.8	2.2	3.1	4.0	4.4	4.8	5.4	5.6
20	1.8	2.5	3.6	4.6	5.1	5.6	6.2	7.0
25	1.8	2.8	4.0	5.1	5.7	6.3	7.0	7.8
30	1.9	3.1	4.4	5.6	6.2	6.9	7.6	8.5
35	2.0	3.4	4.7	6.1	6.7	7.4	8.2	9.2
40	2.2	3.6	5.0	6.5	7.2	7.9	8.8	9.9
45	2.3	3.8	5.3	6.9	7.6	8.4	9.4	10.5
50	2.4	4.0	5.6	7.2	8.0	8.9	9.9	11.0
60	2.6	4.4	6.2	7.9	8.8	9.7	10.8	12.1
70	2.9	4.8	6.7	8.6	9.5	10.5	11.7	13.1
80	3.1	5.1	7.1	9.2	10.2	11.2	12.5	14.0
90	3.2	5.4	7.6	9.7	10.8	11.9	13.2	14.8
100	3.4	5.7	8.0	10.2	11.4	12.5	13.9	15.6
125	3.8	6.4	8.9	11.5	12.7	14.0	15.6	17.4
150	4.2	7.0	9.8	12.5	13.9	15.3	17.1	19.1
175	4.5	7.5	10.5	13.5	15.1	16.6	18.4	20.6
200	4.8	8.0	11.3	14.5	16.1	17.7	19.7	22.1
225	5.1	8.5	11.9	15.4	17.1	18.8	20.9	23.4
250	5.4	9.0	12.6	16.2	18.0	19.8	22.0	24.7
300	5.9	9.9	13.8	17.7	19.7	21.7	24.1	27.0
350	6.4	10.6	14.9	19.2	21.3	23.4	26.1	29.2
400	6.8	11.4	15.9	20.5	22.8	25.0	27.9	31.2
450	7.2	12.1	16.9	21.7	24.1	26.6	29.6	33.1
500	7.6	12.7	17.8	22.9	25.4	28.0	31.2	34.9
600	8.4	13.9	19.5	25.1	27.9	30.7	34.1	38.2
700	9.0	15.1	21.1	27.1	30.1	33.1	36.9	41.3
800	9.7	16.1	22.5	29.0	32.2	35.4	39.4	44.1
900	10.2	17.1	23.9	30.7	34.1	37.6	41.8	46.8
1000	10.8	18.0	25.2	32.4	36.0	39.6	44.1	49.4
1200	11.8	19.7	27.6	35.5	39.4	43.4	48.3	54.1
1400	12.8	21.3	29.8	38.3	42.6	46.8	52.2	58.4
1600	13.7	22.8	31.9	41.0	45.5	50.1	55.8	62.4
1800	14.5	24.1	33.8	43.5	48.3	53.1	59.1	66.2
2000	15.3	25.4	35.6	45.8	50.9	56.0	62.3	69.8
2200	16.0	26.7	37.4	48.0	53.4	58.7	65.4	73.2
2400	16.7	27.9	39.0	50.2	55.7	61.3	68.3	76.5
2600	17.4	29.0	40.6	52.2	58.0	63.8	71.1	79.6

UL 347A, Standard for Safety for Medium Voltage Power Conversion Equipment

3. Addition of New Section 21.8 – Alternate Approach for Spacings

PROPOSAL

21.8 Alternate approach for spacings

21.8.1 Other than at field-wiring terminals, the electrical spacings within power conversion equipment rated up to 35kV shall meet the requirements for insulation specified in ~~UL~~ IEC 61800-5-1.

21.8.2 Compliance requires that the power conversion equipment be investigated in accordance with all portions that are part of ~~UL~~ IEC 61800-5-1, regarding the insulation coordination.

4. Revisions to Section 26 - Spacings within Gate Driver Circuit

PROPOSAL

26.5 ~~Clearances may be evaluated in accordance with the requirements for Functional insulation of the Standard for Adjustable Speed Electrical Power Drive Systems, UL 61800-5-1.~~ A circuit analysis described in IEC 61800-5-1 clause 4.2 shall show that a failure of the insulation does not result in a hazard.

26.8 Clearances above an altitude of 2000 m must be multiplied by the factor provided in Table D.1. of ~~UL~~ IEC 61800-5-1

Table 26.2
Minimum clearance – within gate drive circuit

1	2	3	4	5	6
Working voltage		**Impulse**	**Minimum clearance**		
			Pollution Degree		
			1	**2**	**3**
Volts (rms or direct current)	**Volts (recurring peak)**	**Volts**	**mm**	**mm**	**mm**
50	340	330	0.01	0.2	0.8
100	530	500	0.01	0.2	0.8
150	700	800	0.1	0.5	0.8
300	960	1500	0.5	0.5	0.8
600	1600	2500	1.5		
1000	2600	4000	3		
2040	3700	6000	5.5		
3080	4800	8000	8		
4870	7400	12000	14		
8240	12000	20000	25		
17500	26000	40000	60		
Interpolation is permitted. ~~Derived from UL 61800-5-1 Table 7, 8 and 9. OVC I applied~~					

UL 467, Standard for Safety for Grounding and Bonding Equipment

ANCE (Association of Standardization and Certification)

NMX-J-017-ANCE
Conduit, Tubing and Cable Fittings - Specifications and Test Methods

NMX-J-451-ANCE
Wires and Cables - Thermoset-Insulated Wires and Cables - Specifications

NMX-J-543-ANCE
Connectors - Wire Connectors - Specifications and Test Methods

NMX-J-548-ANCE
Connectors - Splicing Wire Connectors - Specifications and Test Methods

9.5.8 The test current shown in Table 5 shall pass through the assemblies specified in Clauses 9.5.2 to 9.5.4. The current shall be applied for the time specified in Table 5.

For AC testing, the test current specified in Table 5 shall be treated as the root mean square (RMS) over a waveform's entire test duration.

The test current shall be based on either the conduit size involved, rebar size, or the largest size of wire for which the device is marked, whichever is less.

For a plate electrode intended for concrete encasement, the test shall be conducted between the plate and the means of attachment. The test current in Table 5 shall be determined by the means of attachment.

~~*Exception: When the conductor cannot maintain minimum current as defined in Table 5, the current may be reduced to a lesser value, but not less than 5000 A, provided the test time is increased to a higher value, not to exceed 1 min. The values for test current and time are calculated using the formula in Table 5.*~~

When the conductor cannot maintain minimum current as defined in Table 5, the current may be reduced to a lesser value, but not less than 5000 A, provided the test time is increased to a higher value, not to exceed 1 min. The values for test current and time are calculated using the formula in Table 5.

9.5.9 After having carried the current specified in Clause 9.5.8, the test assembly shall have continuity, when measured between a point on the ground rod, rebar, wire, conduit, pipe, enclosure, brass fitting, or outlet box 6.4 mm (1/4 in) from the connection of a grounding or bonding device and a similar point on the conductor (see Figure 1). For a test assembly in accordance with Clause 9.5.4, continuity shall be maintained between the conductors as measured at a connection point 6.4 mm (1/4 in) from the device.

~~**Note: If the grounding conductor opens and fails to carry the required current for the time specified in Clause 9.5.8, the test is inconclusive. The test may be repeated using an alternate grounding conductor capable of carrying the required current for the time specified. An example would be substituting copper for an aluminum conductor.**~~

If the grounding conductor opens and fails to carry the required current for the time specified in Clause 9.5.8, the test is inconclusive. The test may be repeated using an alternate grounding conductor capable of carrying the required current for the time specified. An example would be substituting copper for an aluminum conductor.