Approved American National Standards

User Guide for Approved American National Standards (ANS) related Data

Listed below are Approved American National Standards (ANS) as of 10/16/2023. Additional information about these Approved ANS has been published in ANSI’s Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI’s Standards Action in (PDF) format are available at (www.ansi.org/standardsaction). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer.

Some approved ANS are available for purchase at http://webstore.ansi.org/.

The procedures that govern the ANS process are called the “ANSI Essential Requirements: Due process requirements for American National Standards” ANSI Essential Requirements. A list of all ASDs is available at www.ansi.org/asd. Questions concerning the ANS process may be directed to psa@ansi.org.

Approved American National Standards

- ANSI/NFPA 1021, Approved

3-A (3-A Sanitary Standards, Inc.)
6888 Elm Street, Suite 2D, McLean, VA 22101-3829 | w: www.3-a.org


A3 (Association for Advancing Automation)
900 Victors Way, Suite 140, Ann Arbor, MI 48108-5210 | w: www.automate.org/robotics

- ANSI/A3 R15.08-2-2023, Industrial Mobile Robots - Safety Requirements - Part 2: Requirements for IMR system(s) and IMR application(s) (new standard) PINS: Mar 6, 2015 | Public Review: Apr 21, 2023 | Final Action: Jul 18, 2023 Approved

AA (ASC H35) (Aluminum Association)
1400 Crystal Drive, Suite 430, Arlington, VA 22202 | w: www.aluminum.org

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AA (ASC H35) (Aluminum Association)
1400 Crystal Drive, Suite 430, Arlington, VA 22202 | w: www.aluminum.org


AABC (Associated Air Balance Council)
2401 Pennsylvania Ave NW, Suite 330, Washington, DC 20037 | w: www.aabc.com


AAFS (American Academy of Forensic Sciences)
410 North 21st Street, Colorado Springs, CO 80904 | w: www.aafs.org


AABC (Associated Air Balance Council)
2401 Pennsylvania Ave NW, Suite 330, Washington, DC 20037 | w: www.aabc.com


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ANSI/ASB Std 030-2019, Standards for a Quality Assurance Program in Bloodstain Pattern Analysis *(new standard)*

ANSI/ASB Std 032-2020, Standards for a Bloodstain Pattern Analyst’s Training Program *(new standard)*
PINS: Apr 27, 2018 | Public Review: Aug 9, 2019 | Final Action: Apr 21, 2020 *Approved*

ANSI/ASB Std 036-2019, Standard Practices for Method Validation in Forensic Toxicology *(new standard)*
PINS: Jun 9, 2017 | Public Review: Sep 21, 2018 | Final Action: Oct 29, 2019 *Approved*

ANSI/ASB Std 038-2020, Standards for Internal Validation of Forensic DNA Testing Methods *(new standard)*

ANSI/ASB Std 044-2019, Standard for the Examination of Documents for Indentations *(new standard)*


PINS: Jul 27, 2018 | Public Review: Aug 10, 2018 | Final Action: May 3, 2019 *Approved*

ANSI/ASB Std 054-2021, Standard for a Quality Control Program in Forensic Toxicology Laboratories *(new standard)*
PINS: May 18, 2018 | Public Review: Apr 30, 2021 | Final Action: Sep 24, 2021 *Approved*

ANSI/ASB Std 062-2021, Standard for Topography Comparison Software for Firearm and Toolmark Analysis *(new standard)*

ANSI/ASB Std 070-2022, Standard for Examination of Handwritten Items *(new standard)*
PINS: May 18, 2018 | Public Review: Feb 18, 2022 | Final Action: Oct 4, 2022 *Approved*

ANSI/ASB Std 077-2020, Standard for the Developmental and Internal Validation of Forensic Serological Methods *(new standard)*

ANSI/ASB Std 088-2020, General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines *(new standard)*
PINS: May 11, 2018 | Public Review: Jul 12, 2019 | Final Action: Feb 13, 2020 *Approved*

ANSI/ASB Std 031-2020, Guidelines for Report Writing in Bloodstain Pattern Analysis *(new standard)*
PINS: Mar 23, 2018 | Public Review: Sep 27, 2019 | Final Action: Jun 24, 2020 *Approved*

ANSI/ASB Std 035-2020, Standard for the Examination of Documents for Alterations *(new standard)*
PINS: Jun 23, 2017 | Public Review: Dec 7, 2018 | Final Action: Sep 18, 2020 *Approved*

ANSI/ASB Std 037-2019, Guidelines for Opinions and Testimony in Forensic Toxicology *(new standard)*
PINS: Jun 9, 2017 | Public Review: Jun 22, 2018 | Final Action: Jan 18, 2019 *Approved*

ANSI/ASB Std 040-2019, Standards for Forensic DNA Interpretation and Comparison Protocols *(new standard)*
PINS: Jul 14, 2017 | Public Review: Oct 5, 2018 | Final Action: Sep 26, 2019 *Approved*

ANSI/ASB Std 045-2019, Standard for Stature Estimation in Forensic Anthropology *(new standard)*


ANSI/ASB Std 053-2020, Standard for Report Content in Forensic Toxicology *(new standard)*
PINS: May 18, 2018 | Public Review: Jan 24, 2020 | Final Action: Aug 17, 2020 *Approved*

ANSI/ASB Std 061-2021, Firearms and Toolmarks 3D Measurement Systems and Measurement Quality Control *(new standard)*

ANSI/ASB Std 063-2021, Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories. *(new standard)*

ANSI/ASB Std 072-2019, Standards for the Validation of Procedures in Bloodstain Pattern Analysis *(new standard)*
PINS: Apr 6, 2018 | Public Review: Aug 10, 2018 | Final Action: May 3, 2019 *Approved*

PINS: Apr 27, 2018 | Public Review: Jun 4, 2021 | Final Action: Sep 24, 2021 *Approved*

ANSI/ASB Std 090-2019, Standard for Sex Estimation in Forensic Anthropology *(new standard)*
PINS: Aug 31, 2018 | Public Review: Dec 14, 2018 | Final Action: Dec 16, 2019 *Approved*


Approved American National Standards


AAMI (Association for the Advancement of Medical Instrumentation)
901 North Glebe Road, Suite 300, Arlington, VA 22203 | w: www.aami.org


ANSI/AAMI 2700-2-1-2022, Medical Devices and Medical Systems — Essential safety requirements for equipment comprising the patient-centric integrated clinical environment (ICE) — Part 2: Particular requirements or forensic Data logging (new standard) PINS: Aug 23, 2019 | Public Review: Jun 26, 2020 | Final Action: Feb 1, 2022 Approved


AAFS (American Academy of Forensic Sciences)
410 North 21st Street, Colorado Springs, CO 80904 | w: www.aafs.org


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Approved American National Standards

AAMI (Association for the Advancement of Medical Instrumentation)
901 North Glebe Road, Suite 300, Arlington, VA 22203 | w: www.aami.org


- ANSI/AAMI PC76-2021, Active implantable medical devices – Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging (new standard) PINS: Apr 15, 2011 | Public Review: Dec 4, 2020 | Final Action: Apr 6, 2021 Approved


ANSI/AAMI ST40-2004 (R2018), Table-top dry heat (heated air) sterilization and sterility assurance in health care facilities (reaffirmation of ANSI/AAMI ST40-2004 (R2010)) Public Review: Nov 18, 2016 | Final Action: Jan 12, 2018 Approved


ANSI/AAMI ST58-2013 (R2018), Chemical sterilization and high-level disinfection in health care facilities (reaffirmation of ANSI/AAMI ST58-2013) Public Review: Jan 26, 2018 | Final Action: Sep 6, 2018 Approved


ANSI/AAMI ST77-2013 (R2018), Containment devices for reusable medical device sterilization (reaffirmation of ANSI/AAMI ST77-2013) Public Review: Jan 26, 2018 | Final Action: Sep 6, 2018 Approved


ANSI/AAMI/ISO 27185-2012 (R2017), Cardiac rhythm management devices - Symbols to be used with cardiac rhythm management device labels, and information to be supplied - General requirements (reaffirm a national adoption ANSI/AAMI/ISO 27185-2012) Public Review: Feb 3, 2017 | Final Action: Jun 1, 2017 Approved


Approved American National Standards


AARST (American Association of Radon Scientists and Technologists)

527 N. Justice Street, Hendersonville, NC 28739 | w: www.aarst.org


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AARST (American Association of Radon Scientists and Technologists)
527 N. Justice Street, Hendersonville, NC  28739 | w: www.aarst.org


ABMA (American Brush Manufacturers Association)
1432 Riverwalk Ct., P.O. Box 102, dfrendt@abma.org, OH  43566 | w: www.abma.org


ABMA (ASC B3) (American Bearing Manufacturers Association)
1001 N. Fairfax Street, Suite 500, Alexandria, VA  22314 | w: www.americanbearings.org


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ABMA (ASC B3) (American Bearing Manufacturers Association)
1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | w: www.americanbearings.org


ABTG (Applied Building Technology Group)
6300 Enterprise Lane, Madison, WI 53719 | w: www.appliedbuildingtech.com


ABYC (American Boat and Yacht Council)
613 Third Street, Suite 10, Annapolis, MD 21403 | w: www.abycinc.org


The data in this document is reported as of Monday, October 16, 2023
Approved American National Standards


ANSI/ABYC C-7-2023, Battery Switches (revision of ANSI/ABYC C-7-2021) PINS: Nov 4, 2022 | Public Review: Apr 7, 2023 | Final Action: Jul 27, 2023 Approved


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ANSI/ABYC P-6-2021, PROPELLER SHAFTING SYSTEMS (revision of ANSI/ABYC P-6-2016) PINS: Oct 9, 2020 | Public Review: Apr 2, 2021 | Final Action: Jul 6, 2021 Approved

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PINS: Sep 24, 2021 | Public Review: Mar 4, 2022 | Final Action: Jun 9, 2022 Approved


ACI (American Concrete Institute)
38800 Country Club Drive, Farmington Hills, MI  48331 | w: www.concrete.org


ACMA (American Composites Manufacturers Association)
2000 N. 15th Street, Suite 250, Arlington, VA  22201 | w: www.acmanet.org


ACP (American Clean Power Association)
1501 M Street NW, Suite 1000, Washington, DC  22205 | w: www.cleanpower.org

- ANSI/ACP 1000-2.3-2023, Rescue and Fall Protection Standard: Fall Protection Training Requirements (new standard) PINS: May 21, 2021 | Public Review: Jan 28, 2022 | Final Action: Sep 29, 2023 Approved


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Approved American National Standards


AGA (ASC B109) (American Gas Association)

- ANSI B109.4-2021, Self-Operated Diaphragm-Type Natural Gas Service Regulators For Nominal Pipe Size 1 inches (32 mm) and smaller with outlet pressures of 2 psi (13.8 kPa) and less (revision of ANSI B109.4-2017) Public Review: Jul 9, 2021 | Final Action: Oct 22, 2021 Approved

AGA (ASC Z223) (American Gas Association)


AGA (ASC Z380) (American Gas Association)


AGMA (American Gear Manufacturers Association)


AGMA (American Gear Manufacturers Association)

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


AGSC (Auto Glass Safety Council)

PO Box 569, Garrisonville, VA  22463 | w: www.agsc.org

AHAM (Association of Home Appliance Manufacturers)
1111 19th Street NW, Suite 1150, Washington, DC 20036 | w: www.aham.org


AHRI (Air-Conditioning, Heating, and Refrigeration Institute)
2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | w: www.ahrinet.org


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ANSI/AHRI Standard 1520-2022 (SI/I-P), Performance Rating of Centrifugal Refrigerant Compressors (new standard)


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AHRI (Air-Conditioning, Heating, and Refrigeration Institute)
2311 Wilson Boulevard, Suite 400, Arlington, VA 22201-3001 | w: www.ahrinet.org

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AHRI (Air-Conditioning, Heating, and Refrigeration Institute)
2311 Wilson Boulevard, Suite 400, Arlington, VA  22201-3001 | w: www.ahrinet.org


AIAA (American Institute of Aeronautics and Astronautics)
12700 Sunrise Valley Drive, Suite 200, Reston, VA  20191-5807 | w: www.aiaa.org


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AIAA (American Institute of Aeronautics and Astronautics)
12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | w: www.aiaa.org


AISC (American Institute of Steel Construction)
130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204 | w: www.aisc.org

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AISC (American Institute of Steel Construction)
130 E. Randolph Street, Suite 2000, Chicago, IL 60601-6204 | w: www.aisc.org


AISI (American Iron and Steel Institute)
25 Massachusetts Avenue, NW, Suite 800, Washington, DC 20001 | w: www.steel.org


ALI (Automotive Lift Institute)
PO Box 85, 3699 Luker Road, Cortland, NY 13045 | w: www.autolift.org


ALI (ASC A14) (American Ladder Institute)
1300 Sumner Avenue, Cleveland, OH 4115-2851 | w: www.americanladderinstitute.org


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<th>Standard Number</th>
<th>Title</th>
<th>Date of Adoption</th>
<th>Date of Public Review</th>
<th>Date of Final Action</th>
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<tr>
<td>ANSI/AMCA 217-2021</td>
<td>Laboratory Methods of Testing Fan Arrays for Rating (new standard)</td>
<td>Jan 1, 2021</td>
<td>Apr 26, 2019</td>
<td>Jun 1, 2021</td>
<td>Approved</td>
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</tbody>
</table>
AMCA (Air Movement and Control Association)
30 West University Drive, Arlington Heights, IL  60004-1893 | w: www.amca.org


AMCi (AMC Institute)
107 South West Street, Suite 481, Alexandria, VA  22314 | w: www.amcinstitute.org


AmericanHort (AmericanHort)
525 9th Street NW, Suite 800, Washington, DC  21087 | w: http://www.americanhort.org


AMPP (Association for Materials Protection and Performance)
15835 Park Ten Place, Houston, TX  77084 | w: www.ampp.org


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AMPP (Association for Materials Protection and Performance)
15835 Park Ten Place, Houston, TX  77084 | w: www.ampp.org


ANSI/ANS 10.5-2006 (R2016)) Public Review: Feb 17, 2023 | Final Action: Apr 19, 2023 Approved


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ANS (American Nuclear Society)
555 North Kensington Avenue, La Grange Pk, IL  60526 | w: www.ans.org


ANSI/ANS 19.3.4-2022, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (revision of ANSI/ANS 19.3.4-2002 (R2017)) PINS: Sep 1, 2017 | Public Review: Apr 22, 2022 | Final Action: Jul 12, 2022 Approved


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The data in this document is reported as of Monday, October 16, 2023
Approved American National Standards

ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Pk, IL 60526 | w: www.ans.org

- ANSI/ANS 3.2-2012 (R2022), Managerial, Administrative, and Quality Assurance Controls for the Operational Phase of Nuclear Power Plants (reaffirmation of ANSI/ANS 3.2-2012 (R2017)) Public Review: Mar 25, 2022 | Final Action: May 26, 2022 Approved
- ANSI/ANS 3.4-2013 (R2023), Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013 (R2018)) Public Review: Jun 2, 2023 | Final Action: Jul 19, 2023 Approved
- ANSI/ANS 41.5-2012 (R2023), Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation (reaffirmation of ANSI/ANS 41.5-2012 (R2018)) Public Review: Jul 7, 2023 | Final Action: Sep 7, 2023 Approved


ANSI/ANS 8.3-2022, Criticality Accident Alarm System (revision of ANSI/ANS 8.3-1997 (R2017)) PINS: Dec 1, 2017 | Public Review: Jul 8, 2022 | Final Action: Sep 9, 2022 Approved


ANSI/APCO 1.120.1-2021, Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators (new standard) PINS: Sep 15, 2017 | Public Review: Jun 18, 2021 | Final Action: Aug 31, 2021 Approved

ANSI/APCO 1.121.1-2023, Career Progression within the Public Safety Emergency Communications Center (new standard) PINS: Aug 7, 2020 | Public Review: Mar 17, 2023 | Final Action: May 22, 2023 Approved


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The data in this document is reported as of Monday, October 16, 2023

APCO (Association of Public-Safety Communications Officials-International)
351 N. Williamson Boulevard, Daytona Beach, FL 32114-1112 | w: www.apcoIntl.org


API (American Petroleum Institute)
200 Massachusetts Avenue NW, Washington, DC 20001 | w: www.api.org


API (American Petroleum Institute)
200 Massachusetts Avenue NW, Washington, DC  20001 | w: www.api.org


ANSI CGATS.4-2021, Graphic technology — Graphic arts reflection densitometry measurements — Terminology, equations, image elements and procedures (revision of ANSI CGATS.4-2011 (R2016)) Public Review: Sep 17, 2021 | Final Action: Feb 28, 2022 Approved


ANSI CGATS.5-2018, Graphic technology Spectral measurement and colorimetric computation for graphic arts images (identical national adoption of ISO 13655 and revision of ANSI CGATS.5-2009) PINS: Jan 19, 2018 | Public Review: Apr 13, 2018 | Final Action: Jun 22, 2018 Approved


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APTech (ASC CGATS) (Association for Print Technologies)

450 10th Circle N, Nashville, TN 37203 | w: www.printtechnologies.org


ARESCA (American Renewable Energy Standards and Certification Association)

256 Farrell Farm Road, Norwich, VT 05055 | w: www.aresca.us


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Approved American National Standards

ASA (ASC S1) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org


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ASA (ASC S1) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org

- ANSI/ASA S1.6-2020, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements (reaffirmation of ANSI ASA S1.6-2016) Public Review: Mar 20, 2020 | Final Action: May 28, 2020 Approved

ASA (ASC S12) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org


ASA (ASC S2) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org


ASA (ASC S3) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org


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ASA (ASC S3) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY 11747 | w: www.acousticalsociety.org


ASA (ASC S3) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY  11747 | w: www.acousticalsociety.org


ASABE (American Society of Agricultural and Biological Engineers)
2950 Niles Road, Saint Joseph, MI  49085 | w: https://www.asabe.org/


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ANSI X9.100-150-2010 (S2022), Check Carrier Envelopes (stabilized maintenance of ANSI X9.100-150-2010 (R2017)) Public Review: Jul 29, 2022 | Final Action: Sep 22, 2022 Approved


Approved American National Standards

ASC X9 (Accredited Standards Committee X9, Incorporated)

275 West Street, Suite 107, Annapolis, MD 21401 | w: www.x9.org


ANSI X9.79 - Part 4-2013, Public Key Infrastructure (PKI) – Part 4: Asymmetric Key Management (new standard) PINS: Feb 28, 2023 | Final Action: Jul 11, 2023 Approved


Approved American National Standards

ASCE (American Society of Civil Engineers)
1801 Alexander Bell Drive, Reston, VA 20191-4400 | w: www.asce.org


ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | w: www.ashrae.org


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

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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | w: www.ashrae.org


ANSI/ASHRAE Addendum p to ANSI/ASHRAE Standard 154
-2016, Ventilation for Commercial Cooking Operations

ANSI/ASHRAE Addendum p to ANSI/ASHRAE Standard 34
-2022, Designation and Safety Classification of Refrigerants

ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 34
-2022, Designation and Safety Classification of Refrigerants

ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34

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ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 154

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34

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ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 154

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 15

ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 154

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 135.1

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 34

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 135.1

ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 34


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PINS: Jul 30, 2010 | Public Review: Nov 1, 2019 | Final Action: Sep 1, 2020 Approved


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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
180 Technology Parkway, Peachtree Corners, GA 30092 | w: www.ashrae.org


  Public Review: Apr 22, 2022 | Final Action: Jun 30, 2022 Approved

- ANSI/ASHRAE/ASHE Addendum c to ANSI/ASHRAE/ASHE Standard 189.3-2021, Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3-2021)
  Public Review: Apr 22, 2022 | Final Action: Jun 30, 2022 Approved

  Public Review: Jun 8, 2012 | Final Action: Jul 4, 2013 Approved


  Public Review: Jun 19, 2009 | Final Action: Nov 16, 2009 Approved

  Public Review: May 26, 2017 | Final Action: Feb 21, 2018 Approved


  Public Review: Jul 29, 2022 | Final Action: Sep 30, 2022 Approved


  Public Review: Mar 21, 2008 | Final Action: Jul 24, 2008 Approved

  Public Review: Dec 30, 2016 | Final Action: Apr 1, 2017 Approved

  Public Review: Apr 8, 2016 | Final Action: Feb 13, 2017 Approved

  Public Review: Feb 26, 2016 | Final Action: Mar 2, 2017 Approved

  Public Review: Sep 23, 2022 | Final Action: Jul 25, 2023 Approved


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

180 Technology Parkway, Peachtree Corners, GA 30092 | w: www.ashrae.org

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

180 Technology Parkway, Peachtree Corners, GA 30092 | w: www.ashrae.org


(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 30, 2020
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 1, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 1, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Aug 19, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 1, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Aug 19, 2019
Approved

(addenda to ANSI/ASHRAE/IES Standard 90.1-2016)
Public Review: Feb 1, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 24, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 1, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Jul 1, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Aug 19, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Nov 16, 2018 | Final Action: Aug 19, 2019
Approved

(addenda to ANSI/ASHRAE/IES Standard 90.1-2016)
Public Review: Feb 1, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
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Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
Approved

(addenda to ANSI/ASHRAE/IESNA Standard 90.1-2016)
Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019
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  Public Review: Feb 8, 2019 | Final Action: Jun 27, 2019 Approved


  Public Review: Jul 31, 2020 | Final Action: Feb 26, 2021 Approved

  Public Review: Jun 10, 2011 | Final Action: Jan 26, 2012 Approved

  Public Review: Oct 14, 2016 | Final Action: Jan 25, 2018 Approved

  Public Review: Dec 23, 2022 | Final Action: May 16, 2023 Approved


  Public Review: Mar 5, 2021 | Final Action: May 28, 2021 Approved

  Public Review: Feb 9, 2018 | Final Action: Jun 28, 2018 Approved


  Public Review: Nov 16, 2018 | Final Action: Jul 24, 2019 Approved

  Public Review: Apr 24, 2020 | Final Action: Jun 30, 2020 Approved


  Public Review: Nov 20, 2020 | Final Action: Jan 29, 2021 Approved

  Public Review: Dec 5, 2014 | Final Action: Jun 26, 2015 Approved


  Public Review: Mar 5, 2021 | Final Action: Jun 30, 2021 Approved


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ASME (American Society of Mechanical Engineers)
2 Park Avenue, New York, NY  10016-5990 | w: www.asme.org


ASME A112.18.3-2002 (R2022), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2017)) Public Review: Mar 11, 2022 | Final Action: May 17, 2022 Approved


ASME A112.4.2/CSA B45.16-2021, Personal Hygiene Devices for Water Closets (revision of ANSI/ASME A112.4.2/CSA B45.16-2015 (R2020)) Public Review: Feb 26, 2021 | Final Action: Jun 17, 2021 Approved

ASME (American Society of Mechanical Engineers)

2 Park Avenue, New York, NY 10016-5990 | w: www.asme.org


- **ASME A17.7/CSA B44.7-2006 (R2022)**, Performance-based safety code for elevators and escalators (reaffirmation of ANSI/ASME A17.7/CSA B44.7-2006 (R2012)) PINS: Jul 9, 2021 | Public Review: Feb 4, 2022 | Final Action: Sep 2, 2022 Approved

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- ASME B16.4-2021, Gray Iron Threaded Fittings (Classes 125 and 250) (revision of ANSI/ASME B16.4-2016) Public Review: Sep 17, 2021 | Final Action: Nov 12, 2021 Approved
ASME (American Society of Mechanical Engineers)

2 Park Avenue, New York, NY 10016-5990 | w: www.asme.org


- ASME B18.16.4-2008 (R2017), Serrated Hex Flange Locknuts 90,000 PSI (Inch Series) (reaffirmation of ANSI/ASME B18.16.4-2008 (R2013)) Public Review: Jul 21, 2017 | Final Action: Oct 5, 2017 Approved


ASME B18.2.6M-2012 (R2021), Metric Fasteners for Use In Structural Applications (reaffirmation of ANSI/ASME B18.2.6M-2012) Public Review: Jul 23, 2021 | Final Action: Oct 8, 2021 Approved

ASME B18.2.9-2010 (R2021), Straightness Gage and Gaging for Bolts and Screws (reaffirmation of ANSI/ASME B18.2.9 -2010 (R2017)) Public Review: Oct 8, 2021 | Final Action: Dec 14, 2021 Approved

ASME B18.2.21-2016 (R2023), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21-2016) Public Review: Nov 18, 2022 | Final Action: Jan 30, 2023 Approved


\[ \text{ASME B29.15M-1997 (R2021), Steel Roller Type Conveyor Chains, Attachments, And Sprocket Teeth} \]


\[ \text{ASME B18.5-2012 (R2023), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012 (R2017)) Public Review: Nov 18, 2022 | Final Action: Jan 30, 2023 Approved} \]


\[ \text{ASME B18.6.9-2010 (S2021), Wing Nuts (stabilized maintenance of ANSI/ASME B18.6.9-2010 (R2017)) Public Review: Oct 8, 2021 | Final Action: Jan 4, 2022 Approved} \]

\[ \text{ASME B18.7.1M-2007 (S2022), Metric General Purpose Semi-Tubular Rivets (stabilized maintenance of ANSI/ASME B18.7.1M-2007 (R2017)) Public Review: Jul 15, 2022 | Final Action: Sep 23, 2022 Approved} \]


\[ \text{ASME B27.6-1972 (S2021), General Purpose Uniform Cross Section Spiral Retaining Rings (stabilized maintenance of ANSI/ASME B27.6-1972 (R2017)) Public Review: Oct 8, 2021 | Final Action: Jan 4, 2022 Approved} \]


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- ASME B29.21-2013 (R2023), 700 Class Welded Steel and Cast Chains, Attachments and Sprockets for Water and Sewage Treatment Plants (reaffirmation of ANSI/ASME B29.21-2013 (R2018)) Public Review: Feb 24, 2023 | Final Action: May 1, 2023 Approved
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- ASME B31J-2023, Stress Intensification Factors (i-Factors), Flexibility Factors (k-Factors), and Their Determination for Metallic Piping Components (revision of ANSI/ASME B31J-2017) Public Review: Jun 24, 2022 | Final Action: Jul 17, 2023 Approved
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ASME B89.1.6-2002 (R2022), Measurement of Plain Internal Diameters for Use as Master Rings or Ring Gages (reaffirmation of ANSI/ASME B89.1.6-2002 (R2017)) Public Review: Jun 24, 2022 | Final Action: Sep 1, 2022 Approved


ASME B94.3.4-2010 (R2019), Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B94.3.4-2010 (R2015)) Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved


ASME B89.7.6-2019, Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Dimensional Measuring Instruments to their Accuracy Specifications (new standard) PINS: Sep 15, 2017 | Public Review: Sep 27, 2019 | Final Action: Oct 31, 2019 Approved


ASME B89.1.5-1998 (R2019), Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (reaffirmation of ANSI/ASME B89.1.5-1998 (R2014)) Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved


ASME B89.3.7-2013 (R2023), Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013 (R2018)) Public Review: Dec 23, 2022 | Final Action: Feb 24, 2023 Approved


ASME B89.7.2-2014 (R2019), Dimensional Measurement Planning (reaffirmation of ANSI/ASME B89.7.2-2014) Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved

ASME B89.7.3.3-2002 (R2022), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2017)) Public Review: May 13, 2022 | Final Action: Jul 29, 2022 Approved


ASME B94.51M-2010 (S2016), Specifications for Band Saw Blades (Metal Cutting) (stabilized maintenance of ANSI/ASME B94.51M-2010 (R2015)) Public Review: Feb 5, 2016 | Final Action: May 18, 2016 Approved


ASME B94.6-1984 (S2016), Knurling (stabilized maintenance of ANSI/ASME B94.6-1984 (R2014)) Public Review: Dec 18, 2015 | Final Action: May 18, 2016 Approved

ASME B94.9-2008 (R2023), Taps: Ground Thread with Cut Thread Appendix (Inch and Metric Sizes) (reaffirmation of ANSI/ASME B94.9-2008 (R2018)) Public Review: Jun 9, 2023 | Final Action: Sep 25, 2023 Approved


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- ASME BPVC Section IX-2023, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX -2021) Public Review: Dec 16, 2022 | Final Action: Mar 17, 2023 Approved
- ASME BPVC Section VI-2023, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2021) Public Review: Dec 23, 2022 | Final Action: Feb 17, 2023 Approved
- ASME BPVC Section VII-2023, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2021) Public Review: Dec 30, 2022 | Final Action: Feb 17, 2023 Approved

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ASME PTC 1-2022, Performance Test Codes - General


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ASNT (American Society for Nondestructive Testing)
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520 N. Northwest Highway, Park Ridge, IL  60068 | w: www.assp.org


ASTM (ASTM International)
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Public Review: Apr 30, 2021 | Final Action: Jul 1, 2021 Approved

Public Review: Sep 17, 2021 | Final Action: Nov 2, 2021 Approved

Public Review: Apr 26, 2022 Approved

Public Review: May 5, 2023 | Final Action: Jun 20, 2023 Approved

Public Review: Apr 22, 2022 | Final Action: Jun 7, 2022 Approved

Public Review: Feb 1, 2023 Approved

Public Review: Sep 17, 2021 | Final Action: Nov 2, 2021 Approved


Public Review: Dec 9, 2022 | Final Action: Feb 1, 2023 Approved

Public Review: Apr 21, 2020 Approved

Public Review: Nov 2, 2021 Approved

Public Review: Apr 24, 2021 Approved

Public Review: May 5, 2023 | Final Action: Jun 20, 2023 Approved

Public Review: Jan 5, 2018 | Final Action: Feb 20, 2018 Approved

Public Review: Nov 23, 2022 Approved

Public Review: Apr 21, 2020 Approved

Public Review: Jul 1, 2021 Approved


Public Review: Apr 22, 2022 | Final Action: Jun 7, 2022 Approved

Public Review: Sep 17, 2021 | Final Action: Nov 2, 2021 Approved

Public Review: Mar 15, 2019 | Final Action: Apr 30, 2019 Approved

Public Review: May 6, 2022 Approved


ASTM (ASTM International)

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- ASTM E2334-2008 (R2023), Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample (revision of ANSI/ASTM E2334-2008 (R2018)) Public Review: Dec 9, 2022 | Final Action: Jan 24, 2023 Approved


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ASTM E2696-2021, Practice for Life and Reliability Testing Based on the Exponential Distribution (revision of ANSI/ASTM E2696-2009 (R2018)) Public Review: Apr 2, 2021 | Final Action: May 18, 2021 Approved


ASTM E3197-2023, Terminology Relating to Examination of Fire Debris (revision of ANSI/ASTM E3197-2020) Public Review: Jan 6, 2023 | Final Action: Jun 1, 2023 Approved


ASTM E3182-2020, Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products (new standard) Public Review: Jul 12, 2019 | Final Action: Jan 1, 2020 Approved


ASTM E860-2022, Practice for Examining And Preparing Items That Are Or May Become Involved In Criminal or Civil Litigation (new standard) PINS: Aug 6, 2021 | Public Review: Oct 8, 2021 | Final Action: Sep 1, 2022 Approved


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ASTM F1603-2017 (R2023), Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated (reaffirmation of ANSI/ASTM F1603-2017) Public Review: Dec 9, 2022 | Final Action: Jan 24, 2023 Approved


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ASTM F2145-2023, Specification for Polyamide 11 (PA 11) and Polyamide 12 (PA12) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 and Polyamide 12 Pipe and Tubing (revision of ANSI/ASTM F2145-2013 (R2018)) Public Review: Jan 6, 2023 | Final Action: Feb 21, 2023 Approved


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- ASTM F2817-2013 (R2023), Specification for Poly(Vinyl Chloride) (PVC) Gas Pressure Pipe and Fittings For Maintenance or Repair (reaffirmation of ANSI/ASTM F2817-2013 (R2019)) Public Review: Jun 2, 2023 | Final Action: Jul 18, 2023 Approved
- ASTM F2834-2010 (R2023), Specification for Induction Cooktops, Counter Top, Drop-in Mounted, or Floor Standing (reaffirmation of ANSI/ASTM F2834-2010 (R2017)) Public Review: Dec 9, 2022 | Final Action: Jan 24, 2023 Approved
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- ASTM F3355-2019, Specification for Rapid pull down refrigerators (Blast Chillers), freezers (blast freezers), combination refrigerator/freezer (blast chiller_freezers), and quick chillers for commercial use (new standard) PINS: Nov 4, 2016 | Public Review: Feb 8, 2019 | Final Action: Mar 26, 2019 Approved


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- ASTM F3536-2022, Specification for PE and PP Mechanical Fittings for use on NPS 3 or Smaller cold-water service Polyethylene (PE) or Crosslinked Polyethylene (PEX) Pipe or Tubing (new standard) PINS: Jun 23, 2017 | Public Review: Oct 8, 2021 | Final Action: Feb 1, 2022 Approved


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ANSI ATIS 0300216-2013 (S2023), ISDN Management - Basic Rate Physical Layer (stabilized maintenance of ANSI ATIS 0300216-2013 (R2018)) Public Review: Mar 17, 2023 | Final Action: May 11, 2023 Approved


ANSI ATIS 0300208-2013 (S2023), OAM&P - Upper Layer Protocols for Telecommunications Management Network (TMN) Interfaces, 03 and X Interfaces (stabilized maintenance of ANSI ATIS 0300208-2013 (R2018)) Public Review: Mar 17, 2023 | Final Action: May 11, 2023 Approved

ANSI ATIS 0300217-2013 (S2023), ISDN Management - Primary Rate Physical Later (stabilized maintenance of ANSI ATIS 0300217-2013 (R2018)) Public Review: Mar 17, 2023 | Final Action: May 11, 2023 Approved


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- ANSI ATIS 0900101-2013 (S2023), Synchronization Interface Standard (stabilized maintenance of ANSI ATIS 0900101-2013 (R2018)) Public Review: Jun 9, 2023 | Final Action: Aug 7, 2023 Approved
- ANSI ATIS 0900105.03-2013 (S2023), Synchronous Optical Network (SONET) - Jitter at Network Interfaces (stabilized maintenance of ANSI ATIS 0900105.03-2013 (R2018)) Public Review: Jun 9, 2023 | Final Action: Aug 7, 2023 Approved
- ANSI ATIS 0900105.09-2013 (S2023), Synchronous Optical Network (SONET) - Network Element Timing and Synchronization (stabilized maintenance of ANSI ATIS 0900105.09-2013 (R2018)) Public Review: Jun 9, 2023 | Final Action: Aug 7, 2023 Approved
- ANSI ATIS 1000026-2008 (S2018), Session Border Controller Functions and Requirements (stabilized maintenance of ANSI ATIS 1000026-2008 (R2013)) Public Review: Nov 24, 2017 | Final Action: Feb 27, 2018 Approved
- ANSI ATIS 1000114-2004 (S2019), Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014)) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved


ANSI ATIS 1000642-2014 (R2019), ISDN - Call Deflection Supplementary Service (reaffirmation of ANSI ATIS 1000642-2014) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved


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ANSI ATIS 1000678.b.v2-2010 (R2018), Supplement B to ATIS-1000678.v2.2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (reaffirmation of ANSI ATIS 1000678.b.v2-2010 (R2013)) Public Review: Apr 13, 2018 | Final Action: Jun 12, 2018 Approved


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- ANSI/ATIS 0600010.02-2012 (S2022), Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017)) Public Review: Mar 18, 2022 | Final Action: May 9, 2022 Approved


ANSI/ATIS 0600333-2013 (S2023), Grounding and Bonding of Telecommunication Equipment (stabilized maintenance of ANSI/ATIS 0600333-2013 (R2018)) PINS: Apr 7, 2023 | Final Action: May 25, 2023 Approved


ANSI/ATIS 0600401.03-1998 (S2015), Network to-Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with Calling Number Delivery, Calling Name Delivery, or Visual Message-Waiting Indicator Features (stabilized maintenance of ANSI/ATIS 0600401.03-1998 (R2010)) PINS: Jan 16, 2015 | Public Review: Mar 12, 2015 Approved


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ANSI/ATIS 0600427.01-2004 (S2015), ATM - Based Multi-Pair Bonding (stabilized maintenance of ANSI ATIS 0600427.01-2004 (R2014)) Public Review: Jan 16, 2015 | Final Action: Mar 5, 2015 Approved

ANSI/ATIS 0600427.02-2005 (S2015), Multi-Pair Bonding Using Time Division Inverse Multiplexing (stabilized maintenance of ANSI ATIS 0600427.03-2004 (R2014)) Public Review: Jan 16, 2015 | Final Action: Mar 5, 2015 Approved


ANSI/ATIS 1000012-2006 (S01x), Signaling System No. 7 (SS7) - SS7 Network and NNI Interconnection Security Requirements and Guidelines (stabilized maintenance of ANSI/ATIS 1000012-2006 (R2011)) Public Review: Mar 18, 2016 | Final Action: May 13, 2016 Approved


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The data in this document is reported as of Monday, October 16, 2023


ANSI/ATIS 1000620a-2014 (R2019), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI ATIS 1000620a-2014) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved


ANSI/ATIS 1000620a-2014 (R2019), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI ATIS 1000620a-2014) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved


ANSI/ATIS 1000639-a-2001 (S2016), Supplement to Calling Name Identification Restriction (stabilized maintenance of ANSI/ATIS 1000639-a-2001 (R2011)) Public Review: Mar 18, 2016 | Final Action: May 13, 2016 Approved


ANSI/ATIS 1000666-1999 (S2019), Signaling System No. 7 (SS7) - Operator Services Network Capabilities (stabilized maintenance of ANSI ATIS 1000666-1999 (R2014)) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved


ATSIP (Association of Transportation Safety Information Professionals)
2351 Freedom Way, Suite 201, York, PA  17402 | w: www.atsip.org

AVIXA (Audiovisual and Integrated Experience Association)
11242 Waples Mill Road, Suite 200, Fairfax, VA  22030 | w: www.avixa.org

AWC (American Wood Council)
222 Catoctin Circle , Suite 201, Leesburg, VA  20175 | w: www.awc.org

AWI (Architectural Woodwork Institute)
46179 Westlake Drive, Suite 120, Potomac Falls, VA  20165-5874 | w: www.awinet.org
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**AWI (Architectural Woodwork Institute)**
46179 Westlake Drive, Suite 120, Potomac Falls, VA  20165-5874 | w: www.awinet.org


**AWPA (ASC O5) (American Wood Protection Association)**
P.O. Box 361784, Birmingham, AL  35236-1784 | w: www.awpa.com


**AWS (American Welding Society)**
8669 NW 36th Street, Suite 130, Miami, FL  33166-6672 | w: www.aws.org


AWS A5.4/A5.4M-2012 (R2022), Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding (reaffirmation of ANSI/AWS A5.4/A5.4M-2012) Public Review: Jun 17, 2022 | Final Action: Sep 8, 2022 Approved

AWS A5.5/A5.5M-2022, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (reaffirmation of ANSI/AWS A5.5/A5.5M-2014) PINS: Feb 12, 2016 | Public Review: Jul 15, 2022 | Final Action: Sep 8, 2022 Approved


AWS B2.1-1-022-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard) PINS: Dec 20, 2013 | Public Review: Jul 28, 2017 | Final Action: Apr 10, 2018 Approved


AWS B2.1-1-206-2019, Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphill), in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS: Mar 30, 2018 | Public Review: Aug 31, 2018 | Final Action: Mar 1, 2019 Approved


AWS B2.1-1-210-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, INMs-1, and ER70S-2, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved
AWS B2.1-1-211-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2, and E7018, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved

AWS B2.1-1-233-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS: Aug 26, 2016 | Public Review: Apr 27, 2018 | Final Action: Jul 31, 2019 Approved


AWS B2.1-1-8-227-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/ P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER309(L), in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1-8-227-2002 (R2013)) PINS: Sep 17, 2021 | Public Review: Feb 17, 2023 | Final Action: May 18, 2023 Approved
AWS B2.1-1/8-228-2023, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-228-2002 (R2013)) PINS: Sep 17, 2021 | Public Review: Feb 17, 2023 | Final Action: May 18, 2023 Approved

AWS B2.1-1/8-230-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-230-2002 (R2013)) PINS: Sep 17, 2021 | Public Review: Feb 17, 2023 | Final Action: May 18, 2023 Approved


AWS B2.1-1/8-229-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER309(L) and E309(L)-15, -16, or -17, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-229-2002 (R2013)) PINS: Sep 17, 2021 | Public Review: Feb 17, 2023 | Final Action: May 18, 2023 Approved

AWS B2.1-1/8-231-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309(L), and E309(L)-XX, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231:2015) PINS: Sep 17, 2021 | Public Review: Jun 16, 2023 | Final Action: Aug 14, 2023 Approved


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AWS (American Welding Society)


AWS B2.1-8-005-2002 (S2022), Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Austenitic Stainless Steel (M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (stabilized maintenance of ANSI/AWS B2.1-8-005-2002 (R2013)) PINS: Sep 17, 2021 | Public Review: Nov 12, 2021 | Final Action: Nov 14, 2022 Approved


AWS B2.1-8-024-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition Primarily Plate and Structural Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved

AWS B2.1-8-212-2023, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 inch [1.5 mm] through 1-1/2 inch [38 mm] Thick, ER3XX, As-Welded Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved
AWS B2.1-8-213-2023, Standard Welding Procedure
Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E3XX-XX, As-Welded Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved

Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN3XX and ER3XX, As-Welded Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved


AWS B2.1-8-214-2023, Standard Welding Procedure
Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved

AWS B2.1-8-216-2023, Standard Welding Procedure
Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN3XX, ER3XX, and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (new standard) PINS: Sep 17, 2021 | Public Review: Aug 12, 2022 | Final Action: Feb 27, 2023 Approved


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

AWS C2.20/C2.20M-2016, Specification for Thermal Spraying
Zinc Anodes on Steel Reinforced Concrete (new standard)
PINS: Jul 12, 2013 | Public Review: Feb 12, 2016 | Final Action: May 19, 2016 Approved


AWS C3.5M/C3.5-2016-AMD1, Specification for Induction Brazing (revision and redesignation of ANSI/AWS C3.5M/C3.5-2016) PINS: Jul 29, 2016 | Public Review: Oct 21, 2016 | Final Action: Jun 16, 2017 Approved


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AWWA (American Water Works Association)
6666 W. Quincy Avenue, Denver, CO 80235 | w: www.awwa.org


ANSI/AWWA C218-2023, Liquid Coatings for Aboveground Steel Water Pipe and Fittings (revision of ANSI/AWWA C218 -2016) PINS: Sep 1, 2017 | Public Review: Nov 25, 2022 | Final Action: Jan 26, 2023 Approved


ANSI/AWWA C302a-2023, Reinforced Concrete Pressure Pipe, Noncylinder Type (addenda to ANSI/AWWA C302-2022) PINS: Sep 9, 2022 | Public Review: Dec 16, 2022 | Final Action: Jan 27, 2023 Approved


ANSI/AWWA C300a-2023, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (addenda to ANSI/AWWA C300-2022) PINS: Sep 9, 2022 | Public Review: Dec 16, 2022 | Final Action: Jan 27, 2023 Approved


ANSI/AWWA C522-2022, Rotary Cone Valves, 6 In. Through 60 In. (150 mm – 1,500 mm) (new standard) PINS: Dec 1, 2017 | Public Review: Sep 23, 2022 | Final Action: Nov 28, 2022 Approved


ANSI/AWWA C623-2021, Cured-in-Place Pipe (CIPP) Rehabilitation of Pressurized Potable Water Pipelines, 4 in. (100 mm) and Larger (new standard) PINS: Apr 23, 2010 | Public Review: Nov 5, 2021 | Final Action: Dec 16, 2021 Approved


ANSI/AWWA C602-2023, Cement–Mortar Lining of Water Pipelines in Place - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C602-2017) PINS: Nov 16, 2018 | Public Review: Nov 11, 2022 | Final Action: Jan 12, 2023 Approved


ANSI/AWWA C900-2022, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C900-2016) PINS: Sep 1, 2017 | Public Review: Apr 1, 2022 | Final Action: May 23, 2022 Approved

ANSI/AWWA C903-2021, Polyethylene-Aluminum-Polyethylene (PE-AL-PE) Composite Pressure Pipe, 12 mm (1/2 In.) Through 51 mm (2 In.), for Water Service (revision of ANSI/AWWA C903-2016) PINS: Sep 1, 2017 | Public Review: Jul 9, 2021 | Final Action: Aug 31, 2021 Approved


ANSI/AWWA C906-2021, Polyethylene (PE) Pressure Pipe and Fittings, 4 In. Through 65 In. (100 mm Through 1,650 mm), for Waterworks (revision of ANSI/AWWA C906-2014) PINS: Sep 30, 2016 | Public Review: Apr 9, 2021 | Final Action: Jun 15, 2021 Approved

ANSI/AWWA C909-2022, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 mm) and Larger (revision of ANSI/AWWA C909-2015) PINS: Sep 1, 2017 | Public Review: Mar 18, 2022 | Final Action: May 5, 2022 Approved


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BHCOE (Behavioral Health Center of Excellence)
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BHMA (Builders Hardware Manufacturers Association)
17 Faulkner Drive, Niantic, CT 06357 | w: www.buildershardware.com

- ANSI/BHMA A156.16-2023, Standard for Auxiliary Hardware (revision of ANSI/BHMA A156.16-2013 (R2018)) PINS: Jul 8, 2022 | Public Review: Feb 24, 2023 | Final Action: May 11, 2023 Approved

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B11 (B11 Standards, Inc.)
PO Box 690905, Houston, TX 77269-0905 | w: https://www.b11standards.org/


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BHMA ( Builders Hardware Manufacturers Association)
17 Faulkner Drive, Niantic, CT 06357 | w: www.buildershardware.com


BICSI ( Building Industry Consulting Service International)
8610 Hidden River Parkway, Tampa, FL 33637 | w: www.bicsi.org


BIFMA ( Business and Institutional Furniture Manufacturers Association)
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BIFMA (Business and Institutional Furniture Manufacturers Association)
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- ANSI/BIFMA X5.5-2021, Desk and Table Products (revision of ANSI/BIFMA X5.5-2014) PINS: Sep 7, 2018 | Public Review: Nov 27, 2020 | Final Action: Feb 8, 2021 Approved

BOMA (Building Owners and Managers Association)
1101 15th Street, NW, Suite 800, Washington, DC 20005 | w: www.boma.org


BPI (Building Performance Institute)
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BPI (Building Performance Institute)
66 Putnam Street, Suite 202, Saratoga Springs, NY 12866 | w: www.bpi.org

- BPI-1200-S, Standard Practice for Basic Analysis of Buildings
  Approved

CAGI (Compressed Air and Gas Institute)
1300 Sumner Avenue, Cleveland, OH 44115-2851 | w: www.cagi.org/welcome.htm

  Approved

  Approved

CAPA (Certified Automotive Parts Association)
c/o Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI 49512 | w: www.CAPAcertified.org

  Approved

  Approved

CEMA (Conveyor Equipment Manufacturers Association)
27400 Riverview Center Blvd, Suite 2, Bonita Springs, FL 34134 | w: www.cemanet.org

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CEMA (Conveyor Equipment Manufacturers Association)
27400 Riverview Center Blvd, Suite 2, Bonita Springs, FL 34134 | w: www.cemanet.org


CGA (Compressed Gas Association)
8484 Westpark Drive, Suite 220, McLean, VA 22102 | w: www.cganet.com


CPA (Composite Panel Association)
19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | w: www.CompositePanel.org

- ANSI A135.4-2012 (R2020), Basic Hardboard (reaffirmation of ANSI A135.4-2012) PINS: Mar 9, 2018 | Public Review: Apr 26, 2019 | Final Action: Mar 13, 2020 Approved

CPLSO (CPLSO)
The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG


CRRC (Cool Roof Rating Council)
2435 N. Lombard Street, Portland, OR  97217 | w: www.coolroofs.org


CRSI (Concrete Reinforcing Steel Institute)
933 N Plum Grove Road, Schaumburg, IL  60173 | w: www.crsi.org


CSA (CSA America Standards Inc.)
178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario M9W 1R3 | w: www.csagroup.org


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ANSI/CSA 1.8-2016 (R2021), Gas Food Service Equipment, same as CSA 1.8 (reaffirmation of ANSI Z83.11 -2016/CSA 1.8-2016) Public Review: Nov 27, 2020 | Final Action: Jan 14, 2021 Approved


ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications, same as Z83.18 (reaffirmation of ANSI Z83.18-2016) Public Review: Mar 26, 2021 | Final Action: May 8, 2020 Approved

ANSI Z83.20-2016 (R2021), Gas-fired tubular and low-intensity infrared heaters, same as Z83.20-2016 (R202x, same as ANSI Z83.20-2016 (reaffirmation of ANSI Z83.20 -2016) Public Review: Oct 29, 2021 | Final Action: Dec 14, 2021 Approved


ANSI Z83.8-2015 (R2021), Gas unit heaters, gas packaged heaters, gas utility heaters, and gas-fired duct furnaces, same as BSR Z83.8 (reaffirmation of ANSI Z83.8-2015) PINS: May 18, 2018 | Public Review: Oct 1, 2021 | Final Action: Nov 30, 2021 Approved


ANSI Z83.4-2016 (R2022), Outdoor decorative gas appliances (same as CSA 2.41) (reaffirmation of ANSI Z83.4-2016) Public Review: Jul 29, 2022 | Final Action: Dec 1, 2022 Approved


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CSA (CSA America Standards Inc.)
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CTA (Consumer Technology Association)
1919 South Eads Street, Arlington, VA  22202 | w: www.cta.tech


- ANSI/CTA 2028-B-2014 (R2019), Color Codes for Outdoor TV Receiving Antennas (reaffirmation of ANSI/CTA 2028-B-2014) 
PINS: Jun 14, 2019 | Public Review: Sep 6, 2019 | Final Action: Apr 25, 2022 Approved

- ANSI/CTA 2032-B-2014 (R2019), Indoor TV Receiving Antenna Performance Standard (reaffirmation of ANSI/CTA 2032-B-2014) 
PINS: Jun 14, 2019 | Public Review: Sep 6, 2019 | Final Action: Nov 26, 2019 Approved


PINS: Apr 6, 2018 | Public Review: Sep 27, 2019 | Final Action: Nov 26, 2019 Approved

- ANSI/CTA 2045.1-2014 (R2021), Modular Communications Interface for Firmware Transfer Message Set (reaffirmation of ANSI/CTA 2045.1-2014) 

- ANSI/CTA 2045.2-A-2022, Modular Communications Interface for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014) 
PINS: Jun 2, 2022 Approved

- ANSI/CTA 2047-2014, CE Energy Usage Information (CE-EUI) (new standard) 


- ANSI/CTA 2028-C-2022, Indoor TV Receiving Antenna Performance Standard (reaffirmation of ANSI/CTA 2028-C-2022) 

- ANSI/CTA 2034-B-2014 (R2019), Other VBI Waveforms (reaffirmation of ANSI/CTA 2034-B-2014) 
PINS: Jun 14, 2019 | Public Review: Sep 6, 2019 | Final Action: Nov 26, 2019 Approved


- ANSI/CTA 2038-2012 (S2022), Command-Driven Analog IR-Synchronized Active Eyewear (stabilized maintenance of ANSI/CTA 2038-2012 (R2017)) 
Public Review: Apr 15, 2022 | Final Action: Jun 6, 2022 Approved

- ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014) 
PINS: Jul 10, 2018 Approved

- ANSI/CTA 2045.3-2014 (R2021), Modular Communications Interface for Thermostat Message Set (reaffirmation of ANSI/CTA 2045.3-2014) 

PINS: Oct 27, 2020 Approved
Approved American National Standards

CTA (Consumer Technology Association)
1919 South Eads Street, Arlington, VA 22202 | w: www.cta.tech


ANSI/CTA 2089-2020, Definitions and Characteristics of Artificial Intelligence (new standard)

ANSI/CTA 2090-2021, The Use of Artificial Intelligence in Health Care: Trustworthiness (new standard)

ANSI/CTA 2093-2021, Health, Fitness and Wellness Data: Time, Location, and Source Reporting Format (new standard)

ANSI/CTA 2098-2021, Definitions & Characteristics of Digital Therapeutics (new standard)

ANSI/CTA 2102-2023, Performance Criteria and Testing Protocols for Breathing Parameters (new standard)
PINS: Jun 26, 2020 | Public Review: May 27, 2022 | Final Action: Feb 27, 2023 Approved

ANSI/CTA 2106-2023, Characteristics and Requirements for Mental Health Technology Solutions (new standard)

ANSI/CTA 2108-2022, Framework for Validation of Digital Health Technology-Derived Metrics under Naturalistic or Unconstrained Test Conditions (new standard)

ANSI/CTA 2118-2023, Pure Tone Average Testing Methodology and Reporting Metrics for Consumer Facing Hearing Solutions (new standard)


ANSI/CTA 708.1-2012 (S2022), Digital Television (DTV)
Closed Captioning: 3D Extensions (stabilized maintenance of ANSI/CTA 708.1-2012 (R2017))
Public Review: Apr 15, 2022 | Final Action: Jun 6, 2022 Approved

ANSI/CTA 2088.2-2023, Baseline Cybersecurity for Private Consumer Robotics (new standard)

ANSI/CTA 2089.1-2020, Definitions/Characteristics of AI in Health Care (new standard)

ANSI/CTA 2092-2021, Performance Requirements for Sleep Monitoring Solutions detecting snoring (new standard)

ANSI/CTA 2096-2021, Guidelines for Developing Trustworthy Artificial Intelligence Systems (new standard)

ANSI/CTA 2099-2022, Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)

ANSI/CTA 2105-2022, Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)

ANSI/CTA 2107-A-2023, The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (revision and redesignation of ANSI/CTA 2107-2022)

ANSI/CTA 2109-2023, Evidence Based Performance Criteria for Digital Therapeutics (new standard)

ANSI/CTA 490-B-2023, Test Methods of Measurement for Audio Amplifiers (new standard)
PINS: Mar 10, 2023 | Public Review: Apr 14, 2023 | Final Action: Jun 1, 2023 Approved

PINS: Feb 17, 2023 | Public Review: Mar 31, 2023 | Final Action: May 19, 2023 Approved

PINS: Mar 8, 2019 | Public Review: Apr 26, 2019 | Final Action: Sep 9, 2019 Approved


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**DirectTrust (DirectTrust.org, Inc.)**

1629 K Street NW, Suite 300, Washington, DC  20006 | w:  www.DirectTrust.org


**DMSC (Digital Metrology Standards Consortium, Inc.)**

3245 Latta Road, No. 16595, Rochester, NY  14616 | w:  www.dmisco.org


**DSI (Dental Standards Institute, Inc.)**

109 Bushaway Road, Suite 100, Wayzata, MN  55391 | w:  https://dentalstandardsinstitute.com


**EASA (Electrical Apparatus Service Association)**

1331 Baur Road, St. Louis, MO  63132


**ECIA (Electronic Components Industry Association)**

13873 Park Center Road, Suite 315, Herndon, VA  20171 | w:  www.ecianow.org


ECIA (Electronic Components Industry Association)

13873 Park Center Road, Suite 315, Herndon, VA 20171 | w: www.ecianow.org


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Approved American National Standards

ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | w: www.ecianow.org


ANSI/EIA 606F-2012, Metallized Film Dielectric Capacitors for Alternating Current Application (new standard) PINS: Jun 8, 2023 | Final Action: Aug 8, 2023 Approved


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ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | w: www.ecianow.org

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ECIA (Electronic Components Industry Association)

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ECIA (Electronic Components Industry Association)
13873 Park Center Road, Suite 315, Herndon, VA 20171 | w: www.ecianow.org
ANSI/EIA 60115-8 ed. 2.0-2014 (R2019), Fixed Resistors For Use In Electronic Equipment - Part 8: Sectional Specification


|---------------------------------------------------------|-----------------------------------------------------|----------------------------------|


ANSI/EIA 747-C-2020, Adhesive backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0 mm thick (revision and redesignation of ANSI/EIA-747-B-2014) PINS: Feb 8, 2019 | Public Review: Oct 18, 2019 | Final Action: May 7, 2020 Approved


ANSI/EIA 948-2004 (R2023), Component Tray for Automated Handling (reaffirmation of ANSI/EIA 948-2004 (R2017)) PINS: Nov 12, 2021 | Public Review: Apr 14, 2023 | Final Action: Jun 1, 2023 Approved


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EIMA (EIFS Industry Members Association)
513 West Broad Street, Suite 210, Falls Church, VA  22046 | w: www.eima.com


EMAP (Emergency Management Accreditation Program)
201 Park Washington Court, Falls Church, VA  22046-4527 | w: www.emap.org


EOS/ESD (ESD Association, Inc.)
218 W. Court Street, Rome, NY  13440 | w: https://www.esda.org


ANSI/ESD SP 5.3.2-2004 (R2013), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Socketed Device Model (SDM) - Component Level (reaffirmation of ANSI/ESD SP 5.3.2-2004 (R2008)) Public Review: Jul 12, 2013 | Final Action: Sep 30, 2013 Approved


EOS/ESD (ESD Association, Inc.)
218 W. Court Street, Rome, NY 13440 | w: https://www.esda.org

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The data in this document is reported as of Monday, October 16, 2023


PINS: Aug 13, 2021 | Final Action: Jul 12, 2021 Approved


PINS: Jun 17, 2022 | Final Action: Aug 18, 2022 Approved


PINS: Jun 26, 2021 | Final Action: Jul 12, 2021 Approved

PINS: Aug 13, 2021 | Final Action: Jul 12, 2021 Approved

PINS: Aug 23, 2019 | Final Action: Dec 19, 2019 Approved

PINS: Oct 27, 2017 | Final Action: Feb 27, 2018 Approved


PINS: Aug 17, 2018 | Final Action: Dec 17, 2018 Approved

PINS: Jun 27, 2018 Approved

PINS: Aug 27, 2017 | Final Action: Feb 27, 2018 Approved

PINS: Aug 27, 2017 | Final Action: Feb 27, 2018 Approved
ESTA (Entertainment Services and Technology Association)
271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY  11202-3200 | w: www.esta.org


- ANSI E1.25-2012 (R2023), Recommended Basic Conditions for Measuring the Photometric Output of Stage and Studio Luminaires by Measuring Illumination Levels Produced on a Planar Surface (reaffirmation of ANSI E1.25-2012 (R2017)) Public Review: Jul 8, 2022 | Final Action: Mar 3, 2023 Approved


ANSI E1.36-2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012)) Public Review: Feb 4, 2022 | Final Action: May 2, 2022 Approved


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The data in this document is reported as of Monday, October 16, 2023

ESTA (Entertainment Services and Technology Association)
271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | w: www.esta.org


- ANSI E1.57-2016 (R2021), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016) Public Review: Feb 19, 2021 | Final Action: May 5, 2021 Approved


ANSI/ES1.21-2020, Temporary Structures Used for Technical Production of Outdoor Entertainment Events (revision of ANSI/E1.21-2020) PINS: May 12, 2023 | Final Action: Sep 18, 2023 Approved


ANSI/SFPA E1.72-2021, Powered Floor Machinery (new standard) PINS: May 1, 2020 | Public Review: Jun 16, 2023 | Final Action: Sep 18, 2023 Approved


FM (FM Approvals)


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FM (FM Approvals)
1151 Boston-Providence Turnpike, Norwood, MA 02062 | w: www.fmglobal.com


GBI (Green Building Initiative)
7805 S.W. 40th #80010, Portland, OR 97280 | w: www.thegbi.org


GISC (ASC Z97) (Glazing Industry Secretariat Committee)
730 Worcester Street, Springfield, MA 01115 | w: www.anisz97.com

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GTESS (Georgia Institute of Technology Energy & Sustainability Services)
75 Fifth Street N.W, Suite 3001, Atlanta, GA  30332-0640 | w: www.innovate.gatech.edu

  (revision of ANSI/MSE 50021 -2016) PINS: Apr 21, 2017 | Public Review: Jan 26, 2018 | Final Action: Apr 9, 2019 Approved


HFES (Human Factors & Ergonomics Society)
2001 K Street NW, 3rd Floor N., Washington, DC  20006 | w: www.hfes.org


HI (Hydraulic Institute)
6 Campus Drive, Suite 104, Parsippany, NJ  07054-4406 | w: www.pumps.org

- ANSI/Hi 10.1-10.5-2021, Air-operated Pumps for Nomenclature, Definitions, Application, and Operation  


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HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | w: www.hl7.org


ANSI N34.10-2019, Safe Design and Use of Panoramic, Dry Source Storagae (Category II), Self-Contained Wet Source Storage (Category III), and Panoramic, Wet Source Storage (Category IV) Gamma Irradiators (revision of ANSI N43.10-2001 (R2010)) PINS: Mar 22, 2019 | Public Review: Aug 9, 2019 | Final Action: Sep 26, 2019 Approved


ANSI N43.4-2021, Classification of Radioactive Self-Luminous Light Sources (revision of ANSI N43.4-2013) PINS: Oct 16, 2020 | Public Review: Nov 27, 2020 | Final Action: Jan 21, 2021 Approved


Approved American National Standards

HPS (ASC N43) (Health Physics Society)
950 Herndon Parkway, Suite 450, Herndon, VA 20170 | w: www.hps.org

- ANSI N43.6-2007 (R2013), Sealed Radioactive Sources—Classification (reaffirmation of ANSI N43.6-2007) Public Review: Jul 5, 2013 | Final Action: Sep 23, 2013 Approved
- ANSI N43.7-2018, Safe Design and Use of Self-Contained, Dry Source Storage Irradiators (Category I) (new standard) PINS: Jan 26, 2018 | Public Review: May 11, 2018 | Final Action: Jul 24, 2018 Approved

HPVA (Hardwood Plywood Veneer Association)
42777 Trade West Drive, Sterling, VA 20166 | w: www.DecorativeHardwoods.org


HSI (Healthcare Standards Institute)
10231 Kotzebue Street, San Antonio, TX 78217 | w: www.hsi.health/


IACET (International Association for Continuing Education and Training)
2201 Cooperative Way, Suite 600, Herndon, VA 20171 | w: www.iacet.org


IAPMO (International Association of Plumbing & Mechanical Officials)
4755 East Philadelphia Street, Ontario, CA 91761-2816 | w: www.iapmo.org

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

4755 E. Philadelphia Street, Ontario, CA 91761 | w: www.asse-plumbing.org


† ANSI/ASSE 1048-2021, Performance Requirements for Double Check Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1048-2011) PINS: Sep 2, 2016 | Public Review: Apr 16, 2021 | Final Action: Jun 1, 2021 Approved


† ANSI/ASSE 1032-2023, Performance Requirements for Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post Mix Type, and Non-Carbonated Beverage Dispensers (revision of ANSI/ASSE 1032-2011 (R2021)) PINS: Nov 12, 2021 | Public Review: Jun 30, 2023 | Final Action: Aug 17, 2023 Approved


† ANSI/ASSE 1048-2021, Performance Requirements for Double Check Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1048-2011) PINS: Sep 2, 2016 | Public Review: Apr 16, 2021 | Final Action: Jun 1, 2021 Approved


ANSI/ASSE 1072-2020, Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains (new standard) PINS: May 18, 2018 | Public Review: Jun 5, 2020 | Final Action: Jul 23, 2020 Approved


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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)
4755 E. Philadelphia Street, Ontario, CA 91761 | w: www.asse-plumbing.org


IAPMO (WES) (International Association of Plumbing & Mechanical Officials)
4755 East Philadelphia Street, Ontario, CA 91761 | w: http://www.iapmo.org


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### ICE (Institute for Credentialing Excellence)

2001 K St. NW, Suite 300, Washington, DC 20006 | w: www.credentialingexcellence.org


### IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org


IEEE (Institute of Electrical and Electronics Engineers)

445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org

IEEE 14102-2010, Adoption of ISO/IEC 14102:2008


IEEE 1474.4-2011, Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System (new standard) PINS: May 1, 2009 | Public Review: Mar 9, 2012 | Final Action: Jul 18, 2012 Approved


IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org


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IEEE (Institute of Electrical and Electronics Engineers)  
445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org


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IEEE 802.15.4-2015, Standard for Low-Rate Wireless Personal Area Networks (WPANs) (revision of ANSI/IEEE 802.15.4-2011) PINS: Nov 8, 2013 | Public Review: May 27, 2016 | Final Action: May 22, 2017 Approved

IEEE 802.15.4u-2016, Standard for Low-Rate Wireless Networks – Amendment 3: Use of the 865 MHz to 867 MHz Band in India (new standard) Public Review: Mar 24, 2017 | Final Action: Feb 27, 2018 Approved


IEEE 802.1Q-2012, Standard for Local and Metropolitan Area Networks - Media Access Control (MAC) Bridges and Virtual Bridges (revision of ANSI/IEEE 802.1Q-2006) Public Review: Jul 8, 2011 | Final Action: Apr 16, 2012 Approved


IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org


- IEEE C37.20.4-2013, Standard for Indoor AC Switches (1 kV to 38 kV) for Use in Metal-Enclosed Switchgear (revision of ANSI/IEEE C37.20.4-2001 (R2006)) PINS: Aug 17, 2007 | Public Review: Sep 27, 2013 | Final Action: Jul 31, 2015 Approved


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IEEE (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08854-4141 | w: www.ieee.org


IEEE (ASC C2) (Institute of Electrical and Electronics Engineers)
445 Hoes Lane, Piscataway, NJ 08855-1331 | w: www.ieee.org


IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)
NIST, 100 Bureau Drive M/S 8462, Gaithersburg, MD 20899-8462 | w: http://standards.ieee.org


IES (Illuminating Engineering Society)


ANSI N42.49A (R2022), Standard for Performance Criteria for Alarming Electronic Personal Emergency Radiation Detectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49A-2011) PINS: Jan 1, 2021 | Public Review: May 6, 2022 Approved


- ANSI/IES RP-28-2020, Lighting Practice: Designing Quality Lighting for People in Outdoor Environments (new standard)

- ANSI/IES RP-4-2020, Lighting Practice: Electric Light Sources - Properties, Selection and Specification (new standard)


  PINS: Jul 5, 2019 | Public Review: Apr 28, 2020 Approved

  Public Review: Jul 29, 2022 | Final Action: Sep 2, 2022 Approved

- ANSI/IES LS-3-2020 (R2023), Lighting Science: Physics and Optics of Radiant Energy (reaffirmation of ANSI/IES LS-3-2020)

- ANSI/IES LS-5-2021, Lighting Science: Color (new standard)

- ANSI/IES LS-7-2020, Lighting Science: Vision - Eye and Brain (new standard)

  Public Review: May 20, 2022 | Final Action: Oct 14, 2022 Approved

- ANSI/IES RP-2-2020, Recommended Practice: Lighting Retail Spaces (new standard)

- ANSI/IES RP-27.1-2022, Recommended Practice: Risk Group Classification and Minimization of Photobiological Hazards from Ultraviolet Lamps and Lamp Systems (new standard)
  PINS: May 1, 2020 | Public Review: Sep 2, 2022 | Final Action: Oct 28, 2022 Approved

- ANSI/IES RP-3-2020, Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)
  PINS: Jun 14, 2019 | Public Review: May 1, 2020 | Final Action: Jun 30, 2020 Approved

- ANSI/IES RP-6-2020, Lighting Practice: Lighting Control Systems - Properties, Equipment and Specification (new standard)


  PINS: Jul 5, 2019 | Public Review: Feb 7, 2020 Approved


- ANSI/IES LS-6-2020, Lighting Science: Calculation of Light and Its Effects (new standard)
  PINS: Jul 5, 2019 | Public Review: Apr 21, 2020 Approved

- ANSI/IES LS-8-2020, Lighting Science: Vision - Perceptions and Performance (new standard)
  PINS: Sep 27, 2019 | Public Review: Apr 21, 2020 Approved

- ANSI/IES RP-10-2020, Recommended Practice: Lighting Common Applications (new standard)


- ANSI/IES RP-28-2020, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-2016)


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IES (Illuminating Engineering Society)
120 Wall Street, Floor 17, New York, NY 10005-4001 | w: www.ies.org


- ANSI/IES/NALMCO RP-36-2020, Recommended Practice: Lighting Maintenance (new standard)

IEST (Institute of Environmental Sciences and Technology)
1827 Walden Office Square, Suite 400, Schaumburg, IL 60173 | w: www.iest.org


IIAR (International Institute of Ammonia Refrigeration)
1001 N. Fairfax Street, Suite 503, Alexandria, VA 22314-1797 | w: www.iiar.org


IIAR (International Institute of Ammonia Refrigeration)
1001 N. Fairfax Street, Suite 503, Alexandria, VA 22314-1797 | w: www.iiar.org


IICRC (The Institute of Inspection, Cleaning and Restoration Certification)
4043 South Eastern Avenue, Las Vegas, NV 89119 | w: https://www.iicrc.org


IKECA (International Kitchen Exhaust Cleaning Association)
2331 Rock Spring Road, Forest Hill, MD 21050 | w: www.ikeca.org

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IKECA (International Kitchen Exhaust Cleaning Association)
2331 Rock Spring Road, Forest Hill, MD  21050 | w: www.ikeca.org

- ANSI/IKECA M-10-2023, Standard for the Methodology for Maintenance of Commercial Kitchen Exhaust Systems
  Approved

INMM (ASC N14) (Institute of Nuclear Materials Management)
11809 Yarnell Rd, Knoxville, TN  37932 | w: www.inmm.org

  Approved

- ANSI N14.5-2022, Leakage Tests on Packages for Shipment (revision of ANSI N14.5-2014) PINS: Sep 21, 2018 | Public Review:
  Feb 11, 2022 | Final Action: Nov 14, 2022
  Approved

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

- ANSI N15.28-2021, Standard for Methods of Nuclear Material Control - Guide for Qualification and Certification of Safeguards and Security Personnel (new standard) PINS:
  Approved

  Approved

- ANSI N15.8-2009 (R2022), Standard for Methods of Nuclear Material Control - Material Control Systems - Special Nuclear Material
  Control and Accounting Systems for Nuclear Power Plants (reaffirmation of ANSI N15.8-2009 (R2015)) PINS: May 22, 2020 | Public Review:
  Jul 22, 2022 | Final Action: Jan 3, 2023
  Approved

IPC (IPC - Association Connecting Electronics Industries)
3000 Lakeside Drive, Suite 105 N, Bannockburn, IL  60015 | w: www.ipc.org

- ANSI/IPC 9257-2020, Requirements for Electrical Testing of Flexible Printed Electronics (new standard) PINS: Dec 6, 2019 | Public Review:
  Aug 21, 2020 | Final Action: Jan 6, 2022
  Approved

IREC (Interstate Renewable Energy Council, Inc.)
125 Wolf Road, Suite 207, Albany, NY  12205 | w: www.irecusa.org

- ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs (new standard) PINS:
  Approved
Approved American National Standards

IS&T (The Society for Imaging Science & Technology)
7003 Kilworth Lane, Springfield, VA 22151 | w: www.imaging.org


ISA (ASC Z133) (International Society of Arboriculture)
270 Peachtree Street NW, Suite 1900, Atlanta, GA 30303 | w: www.isa-arbor.com


ISA (Organization) (International Society of Automation)
3252 S. Miami Blvd, Suite 102, Durham, NC 27703 | w: www.isa.org

- ANSI/ISA 61511-3 (84.00.01)-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels (identical national adoption of IEC 61511-3 Ed. 2.0) PINS: Sep 16, 2016 | Public Review: Dec 23, 2016 | Final Action: Apr 17, 2018 Approved


ANSI/ISA 62453-1 (103.00.01)-2018, Field device tool (FDT) interface specification - Part 1: Overview and guidance (national adoption of IEC 62453-1 with modifications and revision of ANSI/ISA 62453-1) PINS: Mar 18, 2016 | Public Review: Jul 27, 2018 | Final Action: Sep 21, 2018 Approved


ANSI/ISA 62453-301 (103.00.03)-2018, Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 1 (national adoption of IEC 62453-301 with modifications and revision of ANSI/ISA 62453-301 (103.00.03)-2011) PINS: Feb 16, 2018 | Public Review: Jul 27, 2018 | Final Action: Sep 21, 2018 Approved


ANSI/ISA 75.05.01-2019, Control Valve Terminology (revision of ANSI/ISA 75.05.01-2016) PINS: Nov 9, 2018 | Public Review: Jan 18, 2019 | Final Action: May 14, 2019 Approved

ANSI/ISA 75.08.02-2003 (R2017), Face-to-Face Dimensions for Flanged and Flangeless Rotary Control Valves (Classes 150, 300, and 600) (reaffirmation of ANSI/ISA 75.08.02-2003 (R2009)) Public Review: Oct 28, 2016 | Final Action: Feb 23, 2017 Approved

ANSI/ISA 75.08.01-2016, Face-to-Face Dimensions for Integral Flanged Globe-Style Control Valve Bodies (Classes 125, 150, 250, 300, and 600) (reaffirmation of ANSI/ISA 75.08.01-2002 (R2007)) PINS: Oct 7, 2011 | Public Review: Apr 15, 2016 | Final Action: Jul 28, 2016 Approved

ANSI/ISA 75.08.05-2016, Face-to-Face Dimensions for Butt Weld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (reaffirmation of ANSI/ISA 75.08.05-2002 (R2007)) PINS: Oct 7, 2011 | Public Review: Apr 15, 2016 | Final Action: Jul 28, 2016 Approved
ANSI/ISA 75.08.08-2015, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-1999 (R2007)) PINS: Oct 7, 2011 | Public Review: Oct 16, 2015 | Final Action: Dec 30, 2015 Approved


ANSI/ISA 77.42.01-2019, Fossil Fuel Power Plant Feedwater Control System (revision of ANSI/ISA 77.42.01-1999 (R2011)) PINS: Dec 18, 2015 | Public Review: Dec 16, 2016 | Final Action: Mar 12, 2019 Approved


ANSI/ISA 95.00.08-2016, Face-to-Face Dimensions for Sliding Stem Flangeless Control Valves (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.09-2005 (R2010)) PINS: Feb 27, 2015 | Public Review: Nov 20, 2015 | Final Action: Mar 11, 2016 Approved

ANSI/ISA 75.10.02-2014, Installed Face-to-Face Dimensions for Dual Pinch Flanged Clamp or Pinch Valves (Classes 125 and 150) (revision of ANSI/ISA 75.10.02-2008) PINS: Jul 2, 2010 | Public Review: Jan 31, 2014 | Final Action: Apr 15, 2014 Approved


ANSI/ISA 77.82.01-2019, Selective Catalytic Reduction (SCR) Control Systems (revision of ANSI/ISA 77.82.01-2011) PINS: Dec 18, 2015 | Public Review: Jan 25, 2019 | Final Action: Jun 3, 2019 Approved


ANSI/ISA 95.00.05-2018, Enterprise-control system integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013) PINS: Mar 30, 2018 | Public Review: Sep 14, 2018 | Final Action: Dec 3, 2018 Approved

ISA (Organization) (International Society of Automation)
3252 S. Miami Blvd, Suite 102, Durham, NC  27703 | w: www.isa.org


ISANTA (International Staple, Nail and Tool Association)
8735 W. Higgins Road, Suite 300; c/o Association Management Center, Chicago, IL  60631


ISDI (ASC MH2) (Industrial Steel Drum Institute)
P.O. Box 8570, Alexandria, VA  22306-8570 | w: www.whysteeldrums.org


ISEA (International Safety Equipment Association)
1101 Wilson Blvd, Suite 1425, Arlington, VA  22209 | w: www.safetyequipment.org


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ISEA (International Safety Equipment Association)
1101 Wilson Blvd, Suite 1425, Arlington, VA  22209 | w: www.safetyequipment.org


ISTA (International Safe Transit Association)
1400 Abbot Road, Suite 160, East Lansing, MI  48823 | w: www.ista.org


ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC  20001 | w: www.incits.org

- ANSI/INCITS 446-2008 [R2023], Information Technology - Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone (reaffirmation of INCITS 446-2008 [R2018]) Public Review: May 19, 2023 | Final Action: Aug 31, 2023 Approved


- ANSI/INCITS 504-4-2013 [R2023], Information technology - Generic Identity Command Set (GICS) - Part 4: Card Application Profile Template (reaffirmation of INCITS 504-4-2013 [R2018]) Public Review: May 19, 2023 | Final Action: Aug 31, 2023 Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC  20001 | w: www.incits.org

ICNITS 119-1984 [S2017], Contact Start/Stop Storage Disk, 158361 Flux Transitions per Track, 8.268 Inch (210 mm) Outer Diameter and 3.937 Inch (100 mm) Inner Diameter (*stabilized maintenance of INCITS 119-1984 (R2002))


INCITS 126-1986 [S2017], One- and Two-Sided Double Density Unformatted 5.25 Inch (130 mm) 96 Tracks per Inch (3.8 Tracks per mm) Flexible Disk Cartridge - General, Physical, and Magnetic Requirements for 7958 BPR Use (*stabilized maintenance of INCITS 126-1986 (R2002)) Public Review: Apr 6, 2007 | Final Action: Jul 24, 2007 Approved


INCITS 120-1984 [S2017], Contact Start/Stop Storage Disk, 95840 Flux Transitions per Track, 7.874 Inch (200 mm) Outer Diameter and 2.500 Inch (63.5 mm) Inner Diameter (*stabilized maintenance of INCITS 120-1984 (R2002)) Public Review: Apr 6, 2007 | Final Action: Jul 24, 2007 Approved


INCITS 157-1987 [S2018], Recorded Magnetic Tape for Information Interchange 0.5 in (12.7 mm), Tape, Nine Track, 3200 CPI (126 CPMM), Phase Encoded (stabilized maintenance of INCITS 157-1987 (R2003)) Public Review: Feb 22, 2008 | Final Action: Jun 19, 2008 Approved


INCITS 164-1990 [S2021], Unrecorded Magnetic Tape Cassette for Information Interchange 3.81 mm (0.150 in), 252 to 394 ftppm (6400 to 10000 fpi) (stabilized maintenance of INCITS 164-1990 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 29, 2011 Approved


INCITS 171-1989 [S2020], One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpmm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements (stabilized maintenance of INCITS 171-1989 (R2005)) Public Review: Feb 12, 2010 | Final Action: Jul 7, 2010 Approved


INCITS 224-1994 [S2018], Extended Tape Format for Information Interchange, (18-Track, Parallel, 12.65 mm (0.50 in), 1491 cpm (37 871 cpi), Group-Coded Recording) (stabilized maintenance of INCITS 224-1994 (R2004)) Public Review: Oct 17, 2008 | Final Action: Dec 17, 2008 Approved


INCITS 243-1996 [S2021], Serial Magnetic Tape Cartridge for Information Interchange, 26 Tracks, 0.250 in (6.35 mm), 16 000 bpi (630 bpm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 243-1996 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 28, 2011 Approved


INCITS 244-1995 [S2020], Information Technology - Test Methods for Media Characteristics - 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 244-1995 (R2005)) Public Review: Oct 16, 2009 | Final Action: Jan 4, 2010 Approved


INCITS 251-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 ft (7873 ft), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))
Public Review: Feb 12, 2010 | Final Action: Jul 7, 2010 Approved


INCITS 264-1996 [S2021], Unrecorded Helical-Scan Digital Computer Tape Cartridge for Information Interchange, 19 mm (0.748 in) Type D-1 (stabilized maintenance of INCITS 264-1996 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 28, 2011 Approved

INCITS 266-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm), Serial Serpentine, 112-Track, 42 500 bpi (1673 bpmm) (DLT2 Format) (stabilized maintenance of INCITS 266-1996 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 28, 2011 Approved


INCITS 30-1998 [S2018], Representation of Calendar Date and Ordinal Date for Information Interchange (stabilized maintenance of INCITS 30:1998 (R2013)) Public Review: Jul 27, 2018 | Final Action: Dec 31, 2018 Approved


INCITS 312-1998 [S2023], Magnetic Tape Cartridge 0.50 in (12.65 mm), Serial Serpentine, 112-Track, 81 600 bpi (3213 bpsm), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008)) Public Review: Jul 6, 2013 | Final Action: Oct 14, 2013 Approved


INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5 in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format (stabilized maintenance of INCITS 345-2001 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 28, 2011 Approved


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<td>[R2022]</td>
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INCITS 4-1986 [R2022], Information Systems - Coded Character Sets - 7-Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4-1986 [R2017]) Public Review: May 13, 2022 | Final Action: Sep 8, 2022 Approved


INCITS 40-1993 [S2018], Unrecorded Magnetic Tape for Information Interchange (9-Track, 800 CPI, NRZI; 1600 CPI, PE; and 6250 CPI, GCR) (stabilized maintenance of INCITS 40-1993 (R2003)) Public Review: Feb 22, 2008 | Final Action: Jun 19, 2008 Approved


INCITS 419-2008 [S2018], Information technology - Fibre Channel Backbone (FC-BB-4) (stabilized maintenance of INCITS 419:2008 [R2013]) Public Review: Jul 27, 2018 | Final Action: Dec 6, 2018 Approved


INCITS 48-1986 [S2017], Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bpcm (800 bpi), PE (includes ANSI X3.48/TC-1-1995) (stabilized maintenance of INCITS 48-1986 [R2002]) Public Review: Apr 6, 2007 | Final Action: Jul 12, 2007 Approved


- INCITS 484-2012 [R2022], Information Technology - SCSI Media Changer Commands - 3 (reaffirmation of INCITS 484-2012 [R2017]) Public Review: May 13, 2022 | Final Action: Sep 1, 2022 Approved


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ITI (INCITS) (InterNational Committee for Information Technology Standards) 700 K Street NW, Suite 600, Washington, DC 20001 | w: www.incits.org


INCITS 528-2013 [S2023], Information Technology - Common Building Blocks Specification (stabilized maintenance of INCITS 528-2013 [R2018]) Public Review: May 19, 2023 | Final Action: Aug 4, 2023 Approved


INCITS 56-1986 [S2017], Recorded Magnetic Tape Cartridge for Information Interchange - 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 56-1986 [R2002]) Public Review: Apr 6, 2007 | Final Action: Jul 24, 2007 Approved


INCITS 555-2020, Information technology - Next Generation Fibre Channel - Physical Interfaces - 4 (FC-PI-4) (new standard) PINS: Dec 28, 2020 Approved


INCITS 72-1981 [S2018], Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 72-1981 [R2003]) Public Review: Feb 22, 2008 | Final Action: Jun 19, 2008 Approved


INCITS X4.6-1979 [S2018], 10-Key Keyboard for Adding and Calculating Machines (stabilized maintenance of INCITS X4.6-1979 (R2003)) Public Review: Feb 22, 2008 | Final Action: Jun 19, 2008 Approved


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700 K Street NW, Suite 600, Washington, DC 20001 | w: www.incits.org


INCITS/ISO 7065-1:1985 [S2020], Info processing-Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording at 1,9 tpmm (48 tpi), both sides-Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015]) Public Review: Jun 26, 2020 | Final Action: Oct 30, 2020 Approved


INCITS/ISO/IEC 10021:8-1999 [R2004])
Information Technology - Message Handling Systems (MHS) - Part 8:
Electronic Data Interchange Messaging Service (reaffirm a national adoption INCITS/ISO/IEC 10021-8:1999 [R2014])
Public Review: Aug 2, 2019 | Final Action: Nov 21, 2019
Approved

Electronic Data Interchange Messaging System (reaffirm a national adoption INCITS/ISO/IEC 10021-9:1999 [R2014])
Public Review: Aug 2, 2019 | Final Action: Nov 21, 2019
Approved

INCITS/ISO/IEC 10026-1-1998 [S2012], Information technology - OSI - Distributed Transaction Processing - Part 1:
OSI TP Model (stabilized maintenance of INCITS/ISO/IEC 10026-1-1998 [R2007])
Approved

INCITS/ISO/IEC 10026-3:1998 [S2012], Information technology - OSI - Distributed Transaction Processing - Part 3:
Approved

Public Review: May 13, 2022 | Final Action: Aug 30, 2022
Approved

Approved

Approved


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INCITS/ISO/IEC 14496-8:2018 [R2019], Information
Technology - Computer Graphics and Image Processing -
Presentation Environment for Multimedia Objects (PREMO) -
Part 8 - Intellectual Property Management and Protection (IPMP) -
Extensions (reaffirmation of INCITS/ISO/IEC 14496-8:2008 [R2018])
Public Review: Jun 27, 2019 | Final Action: Aug 30, 2019
Approved


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INCITS/ISO/IEC 15693-1:2018 [2020], Cards And Security

INCITS/ISO/IEC 15498:1997 [S2020], Information technology

INCITS/ISO/IEC 15485:1997 [S2020], Information technology


INCITS/ISO/IEC 15457-1:2008 [R2016])


INCITS/ISO/IEC 16680:2012 [R2022], Information technology

INCITS/ISO/IEC 16825:1999 [S2020], Information technology

INCITS/ISO/IEC 16969:1999 [S2020], Information technology

INCITS/ISO/IEC 17341:2009 [R2019], Information technology
- Data Interchange on 120 mm and 80 mm Optical Disk using +RW Format – Capacity: 4.7 Gbytes and 1.46 Gbytes per Side (Recording speed up to 4X) (reaffirm a national adoption INCITS/ISO/IEC 17341:2009 [R2014]) Public Review: Aug 2, 2019 | Final Action: Nov 21, 2019 Approved

INCITS/ISO/IEC 17344:2009 [R2019], Information technology
- Data Interchange on 120 mm and 80 mm Optical Disk using +R Format – Capacity: 4.7 and 1.46 Gbytes per Side (Recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 17344:2009 [R2014]) Public Review: Aug 2, 2019 | Final Action: Nov 21, 2019 Approved

INCITS/ISO/IEC 17346:2005 [S2020], Information Technology

INCITS/ISO/IEC 17592:2004 [S2020], Information technology
- 120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD rewritable disk (DVD-RAM) (stabilized maintenance of INCITS/ISO/IEC 17592:2004 [R2015]) Public Review: Jun 26, 2020 | Final Action: Oct 30, 2020 Approved

INCITS/ISO/IEC 17629:2014 [R2019], Information technology

INCITS/ISO/IEC 16824:1999 [S2020], Information technology

INCITS/ISO/IEC 16963:2017 [2019], Information technology

INCITS/ISO/IEC 17203:2017 [R2023], Information technology

INCITS/ISO/IEC 17342:2004 [S2020], Information Technology

INCITS/ISO/IEC 17345:2006 [S2017], Information technology
- Data Interchange on 130 mm Rewritable and Write Once Read Many Ultra Density Optical (UDO) Disk Cartridges - Capacity: 30 Gbytes per Cartridge - First Generation (stabilized maintenance of INCITS/ISO/IEC 17345:2006 [R2012]) Public Review: Jun 9, 2017 | Final Action: Dec 6, 2017 Approved


INCITS/ISO/IEC 17594:2004 [S2020], Information technology

INCITS/ISO/IEC 17788:2014 [R2022], Information technology


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  Public Review: Jul 27, 2018 | Final Action: Dec 7, 2018 Approved


  PINS: Jan 27, 2023 | Public Review: Mar 10, 2023 | Final Action: May 19, 2023 Approved


  Public Review: May 13, 2022 | Final Action: Aug 29, 2022 Approved

  Public Review: May 19, 2023 | Final Action: Aug 31, 2023 Approved

- INCITS/ISO/IEC 18093:1999 [S2021], Information technology -- Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 5,2 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 18093:1999 (R2006))
  Public Review: Sep 9, 2011 | Final Action: Dec 14, 2011 Approved


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Public Review: May 19, 2023 | Final Action: Aug 31, 2023 Approved


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INCITS/ISO/IEC 7816-3:2006 [R2022], Identification cards - Interface and transmission protocols


INCITS/ISO/IEC 8632-1-1999 (R2005))

INCITS/ISO/IEC 8632-4-1999 (R2005))


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ANSI/ITSDF B56.11.4-2013 (R2018), Hook-Type Forks and Fork Carriers for Powered Industrial Forklift Trucks (reaffirmation of ANSI/ITSDF B56.11.4-2013) PINS: Mar 23, 2018 | Public Review: Sep 7, 2018 | Final Action: Dec 19, 2018 Approved


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ITSDF (Industrial Truck Standards Development Foundation, Inc.)
1750 K Street NW, Suite 460, Washington, DC 20006 | w: www.indtrak.org

- ANSI/ITSDF B56.9-2019, Safety Standard For Operator

KCMA (Kitchen Cabinet Manufacturers Association)
1899 Preston White Drive, Reston, VA 20191 | w: www.kcma.org


LEO (Leonardo Academy Inc.)
8401 Excelsior Drive, Madison, WI 53717 | w: www.leonardoacademy.org


LES (Licensing Executives Society (U.S. and Canada))
11130 Sunrise Valley Drive, Suite 350, Reston, VA 20191 | w: www.les.org


LIA (ASC Z136) (Laser Institute of America)
12001 Research Parkway, Suite 210, Orlando, FL 32828 | w: www.laserinstitute.org


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MHI (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | w: www.mhi.org


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- ANSI MH10.8.13-2016, Material Handling - Label testing procedures for pressure-sensitive adhesive labels to be used for bar codes, other markings, and as carriers for other AIDC media. (new standard) PINS: Feb 1, 2008 | Public Review: May 1, 2015 | Final Action: May 12, 2016 Approved

MSS (Manufacturers Standardization Society )

1800 Diagonal Road, Suite 603, Alexandria, VA 22314 | w: www.mss-hq.org

MTConnect (MTConnect Institute)
7901 Jones Branch Drive, Suite 900, McLean, VA 22102 | w: http://www.amtonline.org


NAAMM (National Association of Architectural Metal Manufacturers)
114 Whiting Street, Norfolk, VA 23505 | w: www.naamm.org


NALFA (North American Laminate Flooring Association)
1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006 | w: www.nalfa.com

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NALFA (North American Laminate Flooring Association)
1747 Pennsylvania Avenue, NW, Suite 1000, Washington, DC 20006 | w: www.nalfa.com

- ANSI/NALFA LF-03-2019, Flooring Underlayment

NAPSA (North American Power Sweeping Association)
P.O. Box 1166, Lebanon, OH 45036 | w: www.PowerSweeping.org


NASBLA (National Association of State Boating Law Administrators)
1020 Monarch Street, Suite 200, Lexington, KY 40513 | w: www.nasbla.org


NASPO (North American Security Products Organization)
1300 I Street, NW, Suite 400E, Washington, DC 20005 | w: www.naspo.info


NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
1055 Crupper Avenue, Columbus, OH 43229-1183 | w: www.nationalboard.org

NCMA (National Contract Management Association)
21740 Beaumeade Circle, Suite 125, Ashburn, VA 20147 | w: www.ncmahq.org

- ANSI/NCMA ASD 1-2019 (R2022), Contract Management
  Standard (reaffirmation of ANSI/NCMA ASD 1-2019) PINS:
  Dec 3, 2021 | Public Review: Feb 18, 2022 | Final Action: Jun 8, 2022 Approved

NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | w: www.ncpdp.org

- ANSI/NCPD SC Standard 2020101-2020, NCPDP SCRIPT

  Sep 13, 2019 | Final Action: Dec 6, 2019 Approved

  Sep 14, 2018 | Final Action: Jan 18, 2019 Approved

  Sep 13, 2019 | Final Action: Dec 6, 2019 Approved

  Mar 17, 2023 | Final Action: Jun 16, 2023 Approved

  Sep 14, 2018 | Final Action: Jan 18, 2019 Approved

  Mar 12, 2021 | Final Action: Jul 6, 2021 Approved

- ANSI/NCPDP FB v60-2023, NCPDP Formulary and Benefit Standard v60 (revision and redesignation of ANSI/NCPDP FB v55-2022) Public Review:
  Dec 9, 2022 | Final Action: Apr 12, 2023 Approved

- ANSI/NCPDP Medicaid Pharmacy Encounters Reporting Standard V10-2022, NCPDP Medicaid Pharmacy Encounters Reporting Standard V10 (new standard) PINS:
  Sep 29, 2017 | Public Review: Mar 11, 2022 | Final Action: May 19, 2022 Approved

  Sep 14, 2018 | Final Action: Jan 18, 2019 Approved

  Mar 9, 2018 | Final Action: Aug 13, 2018 Approved

  Sep 14, 2018 | Final Action: Jan 18, 2019 Approved

  Mar 15, 2019 | Final Action: Jul 19, 2019 Approved

  Mar 12, 2021 | Final Action: Jul 6, 2021 Approved


NCPDP (National Council for Prescription Drug Programs)
9240 East Raintree Drive, Scottsdale, AZ 85260 | w: www.ncpdp.org


ANSI/NCPDP SC v2023011-2023, NCPDP SC WG1100902023xx (revision and redesignation of ANSI/NCPDP SC v2022071-2022) Public Review: Sep 9, 2022 | Final Action: Jan 17, 2023 Approved


NEBB (National Environmental Balancing Bureau)
8575 Grovemont Circle, Gaithersburg, MD 20877 | w: www.nebb.org


NECA (National Electrical Contractors Association)
1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | w: www.neca-neis.org


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NECA (National Electrical Contractors Association)
1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | w: www.neca-neis.org


NEMA (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Arlington, VA 22209 | w: www.nema.org


- ANSI/NECA/NACMA 120-2018, Standard for Installing Armored Cable (Type AC) and Type Metal-Clad (MC) Cable (revision of ANSI/NECA/NACMA 120-2012) PINS: Nov 10, 2017 | Public Review: Apr 20, 2018 | Final Action: Jun 28, 2018 Approved


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NEMA (National Electrical Manufacturers Association)

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- NEMA AB 3-2013 (R2023), Molded-Case Circuit Breakers and Their Application (reaffirmation of ANSI/NEMA AB 3-2013) PINS: Jul 26, 2019 | Public Review: Jul 15, 2022 | Final Action: Jul 27, 2023 Approved


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NEMA (ASC C119) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209 | w: www.nema.org

- ANSI C119.4-2022, Electric Connectors—Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93° C and Copper-to-Copper Connectors Designed for Normal Operation at or Below 100° C (revision of ANSI C119.4-2016) PINS: Jun 5, 2020 | Public Review: Jul 8, 2022 | Final Action: Aug 25, 2022 Approved
- ANSI C119.9-2018, Electric Connectors—Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93° C and Copper-to-Copper Connectors Designed for Normal Operation at or Below 100° C (revision of ANSI C119.4-2016) PINS: Jun 5, 2020 | Public Review: Jul 8, 2022 | Final Action: Aug 25, 2022 Approved
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NEMA (ASC C12) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209 | w: www.nema.org


- ANSI/IEC 62056-5-3 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 5 - 3: DLMS/COSEM application layer (identical national adoption of IEC 62056-5-3 ED3) PINS: Apr 20, 2018 | Final Action: Jul 8, 2019 Approved


- ANSI C136.11-2011 (S2021), Multiple Parallel Wired Sockets (stabilized maintenance of ANSI C136.11-2011 (R2016)) Public Review: Jun 4, 2021 | Final Action: Jul 20, 2021 Approved


- ANSI C136.11-2011 (S2021), Multiple Parallel Wired Sockets (stabilized maintenance of ANSI C136.11-2011 (R2016)) Public Review: Jun 4, 2021 | Final Action: Jul 20, 2021 Approved


ANSI C136.4-2023, Roadway and Area Lighting Equipment - Series Sockets and Series Socket Receptacles (revision of ANSI C136.4-2019) PINS: Jun 2, 2023 | Public Review: Jul 21, 2023 | Final Action: Sep 14, 2023 Approved

ANSI C136.41-2021, Standard For Roadway and Area Lighting Equipment Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2013) PINS: Sep 8, 2017 | Public Review: Feb 26, 2021 | Final Action: Dec 3, 2021 Approved


ANSI C136.5-1989 (S2019), Film Cutouts (stabilized maintenance of ANSI C136.5-1989 (R2013)) Public Review: Dec 7, 2018 | Final Action: Jan 29, 2019 Approved


ANSI C136.6-2004 (S2022), for Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability (stabilized maintenance of ANSI C136.6-2004 (R2018)) Public Review: Jun 3, 2022 | Final Action: Jul 21, 2022 Approved
NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org


NEMA (ASC C137) (National Electrical Manufacturers Association)
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NEMA (ASC C18) (National Electrical Manufacturers Association)
1300 North 17th Street, Rosslyn, VA 22209 | w: www.nema.org

NEMA (ASC C29) (National Electrical Manufacturers Association)
13 North 17th Street, Suite 900, Rosslyn, VA  22209 | w: www.nema.org


NEMA (ASC C37) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 1752, Rosslyn, VA  22209 | w: www.nema.org

NEMA (ASC C37) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 1752, Rosslyn, VA 22209 | w: www.nema.org


NEMA (ASC C50) (National Electrical Manufacturers Association)
1300 N 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org


- ANSI NEMA MG 1-2022, Motors and Generators (revision of ANSI NEMA MG 1-2021) PINS: Sep 3, 2021 | Public Review: Apr 8, 2022 | Final Action: Jun 6, 2022 Approved

NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA 22209 | w: www.nema.org


- ANSI C78.1401-2004 (S2022), For Electric Lamps—Dimensions for Projection Lamps—Double-Contact, Medium Ring (Special B), Base-up Type (stabilized maintenance of ANSI C78.1401-2004 (R2016)) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved


- ANSI C78.1402-2004 (S2018), Standard For Electric Lamps – Dimensions for Projection Lamps G17q and GX17q Based Four-pin, Prefocus, for Base-down Operation (stabilized maintenance of ANSI C78.1402-2004 (R2011)) Public Review: Oct 20, 2017 | Final Action: Feb 15, 2018 Approved


ANSI C78.1433-2001 (S2018), Standard Electric Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1433-2001 (R2011)) Public Review: Feb 9, 2018 | Final Action: Jun 8, 2018 Approved

ANSI C78.1435-2002 (S2018), Standard Electric Lamps Projection Lamps—Tungsten Halogen Lamps with G5.3 Bases (stabilized maintenance of ANSI C78.1435-2002 (R2011)) Public Review: Feb 9, 2018 | Final Action: Jun 8, 2018 Approved


ANSI C78.1460-2004 (S2020), For Electric Lamps Single-Ended Tungsten-Halogen Lamps G29.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015)) Public Review: May 29, 2020 | Final Action: Sep 28, 2020 Approved


ANSI C78.1432-1997 (S2018), Standard for electric lamps–Tungsten-Halogen Lamps with G29.5 Two-Pin, Prefocus Bases and 36.5mm Nominal Light Center Length (stabilized maintenance of ANSI C78.1432-1997 (R2011)) Public Review: Feb 9, 2018 | Final Action: Jun 8, 2018 Approved


ANSI C78.1501-2016 (R2022), For Electric Lamps - Tungsten-Halogen Lamps with G22 Bases and 63.5 mm LCL (reaffirmation of ANSI C78.1501-2016) Public Review: Jul 9, 2021 | Final Action: Apr 5, 2022 Approved


- ANSI C78.30-1997 (S2018), Standard for electric lamps: Procedure for Use in Preparation of Lamp Space Drawings (stabilized maintenance of ANSI C78.30-1997 (R2011)) Public Review: Feb 9, 2018 | Final Action: Jun 8, 2018 Approved


- ANSI C78.376-2014 (R2021), For electric lamps: Specifications for the Chromaticity of Fluorescent Lamps (reaffirmation of ANSI C78.376-2014) Public Review: May 29, 2020 | Final Action: May 6, 2021 Approved


- ANSI C78.391-2004 (S2022), For Electric Lamps—Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (stabilized maintenance of ANSI C78.391-2004 (R2016)) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved

- ANSI C78.41-2016 (R2022), For Electric Lamps: Guidelines for Low Pressure Sodium Lamps (reaffirmation of ANSI C78.41-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved


- ANSI C78.45-2016 (R2022), For Electric Lamps: Self-ballasted Mercury Lamps (reaffirmation of ANSI C78.45 -2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA  22209 | w: www.nema.org


- ANSI C78.51-2016 (R2022), For Electric Lamps—LED (Light Emitting Diode) Lamps—Method of Designation (reaffirmation of ANSI C78.51-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved


- ANSI C78.81-2016 (R2022), For Electric Lamps—Double-Capped Fluorescent Lamps—Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.81-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved

- ANSI C78.50-2016 (R2022), For Electric Lamps–Assigned LED Lamp Codes (reaffirmation of ANSI C78.50-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved


- ANSI C78.901-2016 (R2022), For Electric Lamps—Single-Based Fluorescent Lamps—Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.901-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved
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NEMA (ASC C78) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA  22209 | w: www.nema.org


NEMA (ASC C8) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Arlington, VA 22209 | w: www.nema.org


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NEMA (ASC C8) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Arlington, VA 22209 | w: www.nema.org


- ANSI ICEA S-121-733-2023, Tree Wire and Messenger Supported Spacer Cable (revision and redesignation of ANSI/ICEA S-121-733-2016) PINS: Mar 12, 2021 | Public Review: Mar 10, 2023 | Final Action: May 1, 2023 Approved


Approved American National Standards

NEMA (ASC C8) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | w: www.nema.org


- ANSI NEMA HP 4-2021, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (revision of ANSI/NEMA HP 4-2012) PINS: Apr 27, 2018 | Public Review: Oct 9, 2020 | Final Action: Mar 9, 2021 Approved

- ANSI NEMA HP 6-2021, Electrical and Electronic Silicone and Silicon Braided Insulated, Hook-Up Wire, Types S (600 V), ZHS (600 V), SS (1000 V), ZHSS (1000 V), and SSB Braided (1000 V) (revision of ANSI/NEMA HP 6-2013) PINS: May 18, 2018 | Public Review: May 7, 2021 | Final Action: Jul 6, 2021 Approved


- ANSI NEMA HP 5-2021, Electrical and Electronic Crosslinked, Modified Polyethylene (XLPE) Insulated 125°C Hook-Up Wire, Types L (600 V), LL (1000 V), and LX (3000 V) (revision of ANSI/NEMA HP 5-2013) PINS: May 18, 2018 | Public Review: Mar 5, 2021 | Final Action: Apr 22, 2021 Approved

- ANSI NEMA HP 8-2021, Electrical and Electronic Cross-Linked, Modified Low-Smoke Polyolefin (XLPO) Insulated Hook-Up Wire, Types LS (rated 105° C; 600 V), ZHDM (rated 90°C; 600 V), ZH (rated 125°C; 600 V), and ZHX (rated 125°C; 1000 V) (revision of ANSI/NEMA HP 8-2013) PINS: May 18, 2018 | Public Review: Mar 5, 2021 | Final Action: Apr 22, 2021 Approved


NEMA (ASC C80) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Arlington, VA 22209 | w: www.nema.org


NEMA (ASC C81) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org

- ANSI C81.3-2016 (R2022), Standard for Electric Lamps—Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C81.3-2016) Public Review: May 28, 2021 | Final Action: Apr 12, 2022 Approved

NEMA (ASC C82) (National Electrical Manufacturers Association)

1300 N 17th St, Rosslyn, VA 22209 | w: www.nema.org

- ANSI C82.16-2023, Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2022) PINS: Nov 4, 2022 | Public Review: Feb 3, 2023 | Final Action: Apr 17, 2023 Approved
- ANSI C82.18-2023, Light Emitting Diode Drivers - Performance Characteristics (revision of ANSI C82.18-2022) PINS: Nov 4, 2022 | Public Review: Feb 3, 2023 | Final Action: Apr 17, 2023 Approved
- ANSI C82.3-2016 (R2022), Standard for Electric Lamps—Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016) Public Review: May 28, 2021 | Final Action: Apr 12, 2022 Approved
Approved American National Standards

NEMA (ASC C82) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA  22209 | w: www.nema.org

- ANSI C82.4-2017 (R2022), Standard For Lamp Ballasts – Ballasts For High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (reaffirmation of ANSI C82.4-2017) Public Review: Apr 22, 2022 | Final Action: Jun 16, 2022 Approved
- ANSI C82.77-3-2020, Standard for Lighting EquipmentElectromagnetic Compatibility (EMC) Testing and measurement techniques Radiated, radio-frequency electromagnetic field immunity test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04)) PINS: Dec 7, 2018 | Public Review: Jul 12, 2019 | Final Action: Jan 10, 2020 Approved
- ANSI C82.5-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016) Public Review: May 28, 2021 | Final Action: Apr 12, 2022 Approved
- ANSI C82.77-6-2023, Standard for Lighting Equipment 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 (new standard) PINS: Nov 19, 2021 | Public Review: Jul 7, 2023 | Final Action: Sep 25, 2023 Approved
- ANSI C82.77-9-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps— Definitions (reaffirmation of ANSI C82.9-2016) Public Review: May 28, 2021 | Final Action: Apr 12, 2022 Approved

NEMA (ASC C84) (National Electrical Manufacturers Association)
1300 North 17th Street, Rosslyn, VA 22209 | w: www.nema.org

NEMA (ASC GR) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org

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NEMA (ASC W1) (National Electrical Manufacturers Association)
1300 North 17th Street, Rosslyn, VA 22209 | w: www.nema.org

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NEMA (ASC Z535) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org

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NENA (National Emergency Number Association)

1700 Diagonal Road, Suite 500, Alexandria, VA 22314 | w: www.nena.org


NETA (InterNational Electrical Testing Association)

3050 Old Centre Road, Suite 101, Portage, MI 49024 | w: www.netaworld.org


Public Review: Feb 9, 2018 | Final Action: Sep 3, 2018 Approved


NFPA (National Fire Protection Association)
One Batterymarch Park, Quincy, MA 02169 | w: www.nfpa.org


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**NFPA (National Fire Protection Association)**

One Batterymarch Park, Quincy, MA 02169 | w: www.nfpa.org

**NFRC (National Fenestration Rating Council)**

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | w: www.nfrc.org


Available at: [www.nfrc.org](http://www.nfrc.org)
NICA (National Infusion Center Association)

3307 Northland Drive, Suite 160, Austin, TX  78731 | w: https://infusioncenter.org/


NIRMA (Nuclear Information and Records Management Association)

245 Sunnyridge Avenue, #41, Fairfield, CT  06824 | w: https://www.nirma.org


NISO (National Information Standards Organization)

3600 Clipper Mill Road, Suite 302, Baltimore, MD  21211 | w: www.niso.org


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NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)
100 Bureau Drive, Stop 8900, NIST, Gaithersburg, MD 20899-8900 | w: www.nist.gov


NPPC (National Pork Producers Council)
P.O. Box 10383, Des Moines, IA 50306 | w: www.nppc.org


NSAA (ASC B77) (National Ski Areas Association)
133 S Van Gordon Street, Suite 300, Lakewood, CO 80228


NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | w: www.nsf.org

- ANSI/NSC 373-2017 (i1r1), Sustainable Production of Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2014 (i2r1)) Public Review: Feb 17, 2017 | Final Action: Aug 8, 2017 Approved


ANSI/NSF 14-2022 (i126r1), Plastics Piping System


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NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | w: www.nsf.org

- ANSI/NSF 140-2019 (i27r2), Sustainability Assessment for Carpet (revision of BSR/NSF 140-201x (i27r1)) Public Review: Dec 14, 2018 | Final Action: Feb 6, 2019 Approved

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ANSI/NSF 244-2022 (i20r2), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2022) Public Review: Sep 1, 2023 | Final Action: Oct 2, 2023 Approved

ANSI/NSF 245-2018 (i34r1), Wastewater Treatment Systems Nitrogen Reduction (revision and redesignation of ANSI/NSF 245-2010 (i4)) Public Review: Mar 16, 2018 | Final Action: Apr 15, 2018 Approved


ANSI/NSF 25-2022 (i10r6), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2021) Public Review: Apr 22, 2022 | Final Action: Jun 1, 2022 Approved


ANSI/NSF 305-2016 (i26r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2014) Public Review: Jul 1, 2016 | Final Action: Sep 8, 2016 Approved


ANSI/NSF 332-2022 (i10r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2015 (i8r1)) Public Review: Jul 29, 2022 | Final Action: Aug 28, 2022 Approved


ANSI/NSF 350-2018 (i25r1), NSF/ANSI 350: Onsite residential and commercial water reuse treatment systems (revision of BSR/NSF 350-201x (i25r1)) Public Review: Dec 8, 2017 | Final Action: Jan 5, 2018 Approved


ANSI/NSF 401-2020 (i44r2), Residential Wastewater

ANSI/NSF 401-2022 (i46r1), Residential Wastewater

ANSI/NSF 401-2022 (i48r1), Residential Wastewater

ANSI/NSF 401-2022 (i52r2), Residential Wastewater


ANSI/NSF 401-2016 (i6r1), NSF 401-2016 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014) Public Review: Aug 5, 2016 | Final Action: Sep 19, 2016 Approved


ANSI/NSF 401-2016 (i3r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014) Public Review: May 6, 2016 | Final Action: Jun 8, 2016 Approved

ANSI/NSF 401-2016 (i7r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014) Public Review: Jul 15, 2016 | Final Action: Aug 29, 2016 Approved


ANSI/NSF 401-2023 (i32r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022) Public Review: Aug 11, 2023 | Final Action: Sep 18, 2023 Approved


ANSI/NSF 401-2023 (i22r5), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2021) Public Review: Dec 2, 2022 | Final Action: Mar 30, 2023 Approved


The data in this document is reported as of Monday, October 16, 2023
ANSI/NSF 42-2023 (i126r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2021) Public Review: Dec 9, 2022 | Final Action: Jan 8, 2023 Approved


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NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI 48105-9723  |  w: www.nsf.org


ANSI/NSF 455-3-2022 (i34r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021) Public Review: May 27, 2022 | Final Action: Jul 1, 2022 Approved


ANSI/NSF 455-4-2018 (i1r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (new standard) PINS: Sep 5, 2014 | Public Review: Jun 15, 2018 | Final Action: Jul 30, 2018 Approved


ANSI/NSF 455-3-2023 (i37r1), Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021) Public Review: Dec 2, 2022 | Final Action: Jan 13, 2023 Approved


ANSI/NSF 455-4-2021 (i31r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018) Public Review: Jun 29, 2021 | Final Action: Jul 6, 2021 Approved


ANSI/NSF 455-4-2022 (i32r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021) Public Review: May 13, 2022 | Final Action: Jun 17, 2022 Approved

ANSI/NSF 455-4-2022 (i41r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021) Public Review: Sep 30, 2022 | Final Action: Nov 9, 2022 Approved

ANSI/NSF 456-2021 (i1r1), Vaccine Storage (new standard) PINS: Dec 12, 2014 | Public Review: Jan 1, 2021 | Final Action: Mar 8, 2021 Approved


ANSI/NSF 455-4-2022 (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022) (i32r1) Public Review: May 13, 2022 | Final Action: Jul 20, 2022 Approved

ANSI/NSF 455-4-2023 (i42r2), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021) Public Review: Feb 3, 2023 | Final Action: Mar 8, 2023 Approved


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NSF (NSF International)
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NSF (NSF International)
789 N. Dixboro Road, Ann Arbor, MI  48105-9723 | w: www.nsf.org


ANSI/NSF 53-2023 (i51r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021) Public Review: Dec 2, 2022 | Final Action: Sep 7, 2023 Approved

ANSI/NSF 55-2021 (i52r1), Ultraviolet Microbiological Water Treatment Systems Public Review: May 9, 2021 | Final Action: Oct 16, 2021 Approved


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ANSI/NSF 6-2021 (i100r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 6-2021) Public Review: Aug 8, 2022
Approved

Approved

Approved

ANSI/NSF 6-2021 (i103r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 6-2021) Public Review: Apr 29, 2022
Approved
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ANSI/NSF 60-2016 (i73r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2016) Public Review: Apr 1, 2016 | Final Action: May 1, 2016 Approved


ANSI/NSF 8-2021 (i16r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)
Public Review: Sep 28, 2018 | Final Action: Feb 14, 2021
Approved

ANSI/NSF 8-2021 (i18r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)
Public Review: Sep 18, 2020 | Final Action: Feb 1, 2021
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OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)


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OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)
75 Barett Drive, #1190, Webster, NY 14580  | w: www.OEOSC.org


OIX (Open IX Association)
2093 Philadelphia Pike, #1314, Claymont, DE 19703  | w: http://www.open-ix.org


OPEI (Outdoor Power Equipment Institute)
1605 King Street, Alexandria, VA 22314  | w: www.opei.org


PCI (Precast/Prestressed Concrete Institute)
200 West Adams Street, Chicago, Illinois  60606-5230 | w: www.pci.org

  Approved

PDA (Parenteral Drug Association)
Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD  20814 | w: www.pda.org

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PEARL (Professional Electrical Apparatus Recyclers League)
17 Faulkner Drive, Niantic, CT  06357 | w: www.pearl1.org

  Approved

PGMA (Portable Generator Manufacturers Association)
1300 Sumner Avenue, Cleveland, OH  44115-2851 | w: www.pgmaonline.com

  Approved

PHTA (Pool and Hot Tub Alliance)
2111 Eisenhower Avenue, Suite 500, Alexandria, VA  22314 | w: www.PHTA.org

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PHTA (Pool and Hot Tub Alliance)
2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314 | w: www.PHTA.org


- ANSI/APSP/ICC 3-2014 (R2023), Standard for Permanently Installed Residential Spas and Swim Spas (reaffirmation of ANSI/APSP/ICC 3-2013)
  Public Review: Nov 18, 2022 | Final Action: Jun 1, 2023 Approved

  Public Review: Feb 3, 2023 | Final Action: Mar 24, 2023 Approved


- ANSI/PHTA/ICC 10-2021, Standard for Elevated Pools, Spas, and Other Aquatic Venues Integrated into a Building or Structure (new standard)

- ANSI/PHTA/ICC 2-2023, Standard for Public Pool and Spa Operations and Maintenance (new standard)

PLASTICS (Plastics Industry Association)
1425 K Street, NW, Suite 500, Washington, DC 20005 | w: www.plasticsindustry.org


- ANSI/PLASTICS B151.20-2013 (R2018), Safety Requirements for Plastic Sheet Production Machinery (reaffirmation and redesignation of ANSI/SPI B151.20-2013)

- ANSI/PLASTICS B151.11-2021, Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics (new standard)
  PINS: Jul 20, 2018 | Public Review: Jul 17, 2020 | Final Action: Apr 12, 2021 Approved

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<td>ANSI/PMI-17-005-2017, The Standard for Business Analysis</td>
<td>(new standard)</td>
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<td>PMMI (Organization) (PMMI - The Association for Packaging and Processing Technologies)</td>
<td>ANSI/PMMI B155.1-2023, Safety Requirements for Packaging and Processing Machinery</td>
<td>(revision of ANSI/PMMI B155.1 -2016)</td>
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<td>PRCA (Professional Ropes Course Association)</td>
<td>ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation &amp; Training Standards</td>
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<td>PSAI (Portable Sanitation Association International)</td>
<td>ANSI/PSAI Z4.3-2016, Sanitation - Non-Sewered Waste Disposal Systems: Minimum Requirements</td>
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<td>PSAI (Portable Sanitation Association International)</td>
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RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
2001 K Street, NW, 3rd Floor North, Washington, DC  20006 | w: www.resna.org


RESNET (Residential Energy Services Network, Inc.)
P.O. Box 4561, Oceanside, CA  92052 | w: www.resnet.us.com

RESNET (Residential Energy Services Network, Inc.)
P.O. Box 4561, Oceanside, CA 92052 | w: www.resnet.us.com


RIC (Remanufacturing Industries Council)
150 Lucius Gordon Drive, Suite 127, West Henrietta, NY 14586 | w: www.remancouncil.org


ROHVA (Recreational Off-Highway Vehicle Association)
2 Jenner Street, Suite 150, Irvine, CA 92618


RVIA (Recreational Vehicle Industry Association)
2465 J-17 Centreville Road, #801, Herndon, VA 20171 | w: www.rvia.org


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RVIA (Recreational Vehicle Industry Association)
2465 J-17 Centreville Road, #801, Herndon, VA 20171 | w: www.rvia.org


SAAMI (Sporting Arms and Ammunition Manufacturers Institute)
6 Corporate Drive, Suite 650, Shelton, CT 06484 | w: www.saami.org


SAE (SAE International)
755 West Big Beaver Road, Suite 1600, Troy, MI 48084 | w: www.sae.org


SAIA (ASC A11) (Scaffold & Access Industry Association)
400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

SAIA (ASC A92) (Scaffold & Access Industry Association)
400 Admiral Boulevard, Kansas City, MO  64106 | w: www.saiaonline.org


SCTE (Society of Cable Telecommunications Engineers)
140 Philips Road, Exton, PA 19341-1318 | w: www.scte.org


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SCTE (Society of Cable Telecommunications Engineers)
140 Philips Road, Exton, PA  19341-1318 | w: www.scte.org

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- ANSI/SCTE 27-2016 (R2021), Subtitling Methods for Broadcast Cable (reaffirmation of ANSI/SCTE 27-2016)


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140 Philips Road, Exton, PA 19341-1318 | w: www.scte.org


SDI (ASC A250) (Steel Door Institute)
30200 Detroit Road, Westlake, OH 44145 | w: www.wherryassocsteeldoor.org

- ANSI A250.11-2022, Recommended Erection Instructions for Steel Frames (revision of ANSI A250.11-2012) PINS: Jun 9, 2017 | Public Review: Jan 14, 2022 | Final Action: Mar 17, 2022 Approved
- ANSI A250.5-2020, Recommended Practice for Steel Door and Frame Anchors (reaffirmation of ANSI A250.5-2018) PINS: Jul 8, 2022 | Public Review: Sep 16, 2022 | Final Action: Oct 17, 2022 Approved

SDI (Canvass) (Steel Deck Institute)
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | w: www.sdi.org

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SDI (Canvass) (Steel Deck Institute)
1731 NW 6th Street, Suite D, Gainesville, FL 32609 | w: www.sdi.org


SERI (Sustainable Electronics Recycling International)
P.O. Box 721, Hastings, MN 55033 | w: www.sustainableelectronics.org


SIA (Security Industry Association)
8405 Colesville Road, Suite 500, Silver Spring, MD 20910 | w: www.siaonline.org


SIMA (Snow and Ice Management Association)
10140 N. Port Washington Road, Milwaukee, WI 53092 | w: http://www.sima.org


SJI (Steel Joist Institute)
140 W. Evans Street, Suite 203, Florence, SC 29501 | w: www.steeljoist.org


SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)
4201 Lafayette Center Drive, Chantilly, VA 20151-1219 | w: www.smacna.org


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SVIA (Specialty Vehicle Institute of America)
2 Jenner, Suite 150, Irvine, CA 92618

TAPPI (Technical Association of the Pulp and Paper Industry)
15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | w: www.tappi.org


ANSI/TAPPI T 1011 om-2023, Basis weight of fiber glass mats (new standard) PINS: May 17, 2019 | Public Review: Apr 7, 2023 | Final Action: Jun 12, 2023 Approved


ANSI/TAPPI T 1214 sp-2022, Interrelation of reflectance, R; reflectivity, R; TAPPI opacity, C0.89; scattering, s; and absorption, k (new standard) PINS: Dec 10, 2021 | Public Review: Aug 26, 2022 | Final Action: Oct 28, 2022 Approved


ANSI/TAPPI T 1217 sp-2012 (R2023), Photometric linearity of optical properties instruments (reaffirmation of ANSI/TAPPI T 1217 sp-2012 (R2018)) PINS: May 13, 2022 | Public Review: Apr 7, 2023 | Final Action: Jun 12, 2023 Approved


ANSI/TAPPI T 400 sp-2022, Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (new standard) PINS: Jan 22, 2021 | Public Review: Jan 28, 2022 | Final Action: Jun 16, 2022 Approved


ANSI/TAPPI T 470 sp-2021, Hydrogen ion concentration (pH) of paper extracts (hot extraction method) (new standard) PINS: Nov 3, 2021 | Final Action: Jul 14, 2022 Approved


ANSI/TAPPI T 574 om-2012 (R2023), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 574 om-2012 (R2018)) PINS: Mar 18, 2022 | Public Review: Apr 7, 2023 | Final Action: Jun 12, 2023 Approved


ANSI/TAPPI T 556 om-2021, Bending resistance (stiffness) of paper (Taber-type tester in 0 to 10 Taber stiffness unit configuration) (new standard) PINS: May 17, 2019 | Public Review: Aug 20, 2021 | Final Action: Nov 2, 2021 Approved

ANSI/TAPPI T 568 om-2012 (R2023), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012 (R2018)) PINS: Jun 3, 2022 | Public Review: Apr 7, 2023 | Final Action: Jun 12, 2023 Approved


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TAPPI (Technical Association of the Pulp and Paper Industry)
15 Technology Parkway, Suite 115, Peachtree Corners, GA 30092 | w: www.tappi.org


TCATA (Textile Care Allied Trades Association)
27251 Wesley Chapel Boulevard, Suite 311, Wesley Chapel, FL 33544 | w: www.tcata.org


TCIA (ASC A300) (Tree Care Industry Association)
136 Harvey Road, Suite 101, Londonderry, NH 03053 | w: www.treecareindustry.org


TCIA (ASC A300) (Tree Care Industry Association)
136 Harvey Road, Suite 101, Londonderry, NH 03053 | w: www.treecareindustry.org


TCNA (ASC A108) (Tile Council of North America)
100 Clemson Research Blvd., Anderson, SC 29625 | w: www.tcnatile.com


- ANSI A108.01-2021a, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2021) Public Review: Apr 2, 2021 | Final Action: May 18, 2021 Approved


ANSI/TIA 100 Clemson Research Blvd., Anderson, SC 29625 | w: www.tcnatile.com

TCNA (ASC A108) (Tile Council of North America)

1320 North Courthouse Road, Suite 200, Arlington, VA 22201-2598 | w: www.tiaonline.org


ANSI/TIA 455-82-C-2020, FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (new standard) PINS: Dec 28, 2018 | Public Review: Nov 1, 2019 | Final Action: Apr 7, 2020 Approved


TIA (Telecommunications Industry Association)


ANSI/TIA 621.1-2023, IEC 61755-1: Fibre optic
ANSI/TIA 607-D-1-2021, Generic Telecommunications
ANSI/TIA 606-D-2021, Administration Standard For
ANSI/TIA 604-5-F-2019, FOCIS 5Fiber Optic Connector
ANSI/TIA 604-10-C-2021, FOCIS-10 - Fiber Optic Connector
ANSI/TIA 606-B-1-2015, Administration Standard for
ANSI/TIA 607-D-2021, Administration Standard For
ANSI/TIA 607-D-1-2021, Generic Telecommunications
ANSI/TIA 621.1-2023, IEC 61755-1: Fibre optic
ANSI/TIA 604-19-2021, FOCIS 19-Fiber Optic Connector


**TIA (Telecommunications Industry Association)**

1320 North Courthouse Road, Suite 200, Arlington, VA  22201-2598 | w: www.tiaonline.org


**TMA (The Monitoring Association)**

7918 Jones Branch Drive, Suite 510, McLean, VA  22102 | w: www.tma.us


**TNI (The NELAC Institute)**

P.O. Box 2439, Weatherford, TX  76086 | w: www.NELAC-Institute.org


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TNI (The NELAC Institute)
P.O. Box 2439, Weatherford, TX  76086 | w: www.NELAC-Institute.org


TOY-TIA (Toy Industry Association)
1115 Broadway, Suite 400, New York, NY  10010 | w: www.toyassociation.org


TPI (Truss Plate Institute)
2670 Crain Highway, Suite 203, Waldorf, MD  20601 | w: www.tpinst.org


TVC (ASC Z80) (The Vision Council)
225 Reinekers Lane, Suite 700, Alexandria, VA  22314 | w: www.z80asc.com

- ANSI Z80.18-2016 (R2021), Ophthalmics - Contact Lens Care Products - Vocabulary, Performance Specifications, And Test Methodology (reaffirmation of ANSI Z80.18-2016) Public Review: Jun 18, 2021 | Final Action: Sep 9, 2021 Approved
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TVC (ASC Z80) (The Vision Council)
225 Reinekers Lane, Suite 700, Alexandria, VA 22314 | w: www.z80asc.com


- ANSI Z80.7-2013 (R2018), Intraocular Lenses (reaffirmation of ANSI Z80.7-2013) PINS: Apr 13, 2018 | Public Review: Jul 27, 2018 | Final Action: Sep 25, 2018 Approved


UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)
30200 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org


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UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)
30200 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org


UL (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


UL (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


✓ UL 1004-6-2012 (R2022), Standard for Safety for Servo and Stepper Motors (reaffirmation of ANSI/UL 1004-6-2012 (R2017)) Public Review: Jan 21, 2022 | Final Action: Mar 17, 2022 Approved


UL 103-2012 (R2021), Standard for Safety for Factory-Built Chimneys for Residential Type and Building Heating Appliances (reaffirmation of ANSI/UL 103-2012 (R2017)) Public Review: Jul 9, 2021 | Final Action: Sep 24, 2021 Approved


UL 1012-2012 (R2021), Standard for Safety for Power Units Other Than Class 2 (reaffirmation of ANSI/UL 1012-2012 (R2016)) Public Review: Jan 22, 2021 | Final Action: Mar 30, 2021 Approved


UL 1069-2023, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2022) Public Review: May 26, 2023 | Final Action: Jul 14, 2023 Approved


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ULSE (UL Standards & Engagement)

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UL 122001-2009 (R2023), Standard for Safety for General Requirements for Electrical Ignition Systems for Internal Combustion Engines in Class I, Division 2 or Zone 2 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 122001-2009 (R2019)) Public Review: Jun 2, 2023 | Final Action: Aug 1, 2023 Approved


UL 121203-2021, Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class II, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (revision of ANSI/UL 121203-2011 (R2015)) Public Review: Sep 25, 2020 | Final Action: Jan 14, 2021 Approved


ULSE (UL Standards & Engagement)


UL 140-2008 (R2023), Standard for Relocating Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2018)) Public Review: Mar 17, 2023 | Final Action: May 17, 2023 Approved


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ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC  27709-3995 | w: https://ulse.org/


UL 1667-2013 (R2022), Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1667-2013) Public Review: May 6, 2022 | Final Action: Aug 1, 2022 Approved


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ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


UL 2127-2017, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2016) Public Review: Sep 9, 2016 | Final Action: May 9, 2017 Approved


UL 2152-2021, Standard for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids (new standard) PINS: Jun 15, 2018 | Public Review: Jul 17, 2020 | Final Action: Jan 26, 2021 Approved


UL 22-2010 (R2023), Standard for Amusement and Gaming Machines (reaffirmation of ANSI/UL 22-2010 (R2019)) Public Review: May 26, 2023 | Final Action: Aug 16, 2023 Approved


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ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/

- UL 2420-2021, Standard for Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2420-2014 (R2016)) Public Review: Dec 18, 2020 | Final Action: Apr 30, 2021 Approved


UL 244B-2023a, Standard for Field Installed and/or Field Connected Appliance Controls (reaffirmation of ANSI/UL 244B-2022a) Public Review: Apr 28, 2023 | Final Action: Jul 14, 2023 Approved


UL 244B-2022a, Standard for Field Installed and/or Field Connected Appliance Controls (reaffirmation of ANSI/UL 244B-2022) Public Review: Apr 1, 2022 | Final Action: Jun 28, 2022 Approved


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UL 401-2023, Standard for Portable Spray Hose Nozzles for Fire-Protection Service (revision of ANSI/UL 401-2022) Public Review: Jun 9, 2023 | Final Action: Sep 14, 2023 Approved


UL 4248-11-2007 (R2023), Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2018)) Public Review: Apr 21, 2023 | Final Action: Jun 8, 2023 Approved


UL 443-2008 (R2023), Standard for Safety for Steel Auxiliary Tanks for Oil-Burner Fuel (reaffirmation of ANSI/UL 443-2008 (R2018)) Public Review: May 19, 2023 | Final Action: Sep 26, 2023 Approved


UL 484-2018, Standard for Room Air Conditioners (revision of ANSI/UL 48-2016) Public Review: Jul 20, 2018 | Final Action: Sep 6, 2018 Approved


UL 497B-2004 (R2022), Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2017)) Public Review: May 6, 2022 | Final Action: Jul 25, 2022 Approved

UL 497C-2004 (R2022), Standard for Protectors for Coaxial Communications Circuits (reaffirmation of ANSI/UL 497C-2004 (R2017)) Public Review: Dec 17, 2021 | Final Action: Feb 7, 2022 Approved


UL 5B-2019, Standard for Strut-Type Channel Raceways and Fittings (revision of ANSI/UL 5B-2014) Public Review: Dec 21, 2018 | Final Action: Feb 26, 2019 Approved


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ULE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


UL 60335-2-72-2017a, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72) PINS: Sep 29, 2017 | Final Action: Jun 4, 2018 Approved


UL 60730-2-3-2023, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (revision of ANSI/UL 60730-2-3-2013 (R2022)) Public Review: May 5, 2023 | Final Action: Aug 31, 2023 Approved


UL 608-2012 (R2022), Standard for Burglary Resistant Vault Doors and Modular Panels (reaffirmation of ANSI/UL 608-2012 (R2017)) Public Review: Jan 7, 2022 | Final Action: Mar 7, 2022 Approved


UL 60947-7-4-2018 (R2022), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment-PCB Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-4-2018) Public Review: May 20, 2022 | Final Action: Jul 18, 2022 Approved


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ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


UL 61215-1-3-2021, Terrestrial Photovoltaic (PV) Modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-3 and revision of ANSI/UL 61215-1-3-2018) Public Review: May 21, 2021 | Final Action: Jul 7, 2021 Approved

UL 61215-1-4-2021, Terrestrial Photovoltaic (PV) Modules - Design qualification and type approval - Part 1-4: Special requirements for Testing of Thin-Film Cu(In,Ga)(S,Se)2 Based Photovoltaic (PV) Modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2021) Public Review: Jul 14, 2023 | Final Action: Aug 24, 2023 Approved


UL 61215-1-4-2021, Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2018) Public Review: May 21, 2021 | Final Action: Jul 7, 2021 Approved


UL 61730-1-2017b, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption with modifications of IEC 61730-1)


UL 62841-3-1-2022, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Part 3-1: Particular Requirements For Transportable Table Saws (revision of ANSI/UL 62841-3-1 -2017) Public Review: Feb 4, 2022 | Final Action: Jun 10, 2022 Approved


UL 62841-3-5-2023, Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-5: Particular requirements for transportable band saws *(identical national adoption of IEC 62841-3-5)* PINS: Jul 15, 2022 | Public Review: Jan 6, 2023 | Final Action: May 26, 2023 Approved


UL 62841-4-1000-2023, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - UL 4-1000: Particular Requirements For Utility Machines *(revision of ANSI/UL 62841-4-1000 Ed. 2)* Public Review: Nov 18, 2022 | Final Action: Jan 5, 2023 Approved


UL 62841-4-6-2023, UL Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums (identical national adoption of IEC 62841-4-6) Public Review: Apr 14, 2023 | Final Action: Sep 29, 2023


UL 697-2012 (R2021), Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012 (R2016)) Public Review: May 14, 2021 | Final Action: Jul 1, 2021 Approved


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12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/


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UL SE (UL Standards & Engagement)

12 Laboratory Drive, Research Triangle Park, NC 27709-3995 | w: https://ulse.org/

- UL 82-2023, Standard for Safety for Electric Gardening Appliances (revision of ANSI/UL 82-2021) Public Review: Sep 23, 2022 | Final Action: Jan 18, 2023 Approved

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UL 887-2004 (R2023), Standard for Safety for Delayed-Action Timelocks (reaffirmation of ANSI/UL 887-2004 (R2018))
Public Review: Mar 3, 2023 | Final Action: May 10, 2023 Approved


UL 96-2023, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2020) Public Review: Jan 20, 2023 | Final Action: May 9, 2023 Approved


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ULSE (UL Standards & Engagement)
12 Laboratory Drive, Research Triangle Park, NC  27709-3995 | w: https://ulse.org/

- ANSI C63.2-2023, Standard for Specifications of Electromagnetic Interference and Field Strength Measuring Instrumentation in the Frequency Range 9 kHz to 40 GHz (revision of ANSI C63.2-2016) PINS: Feb 12, 2021 | Public Review: Jul 29, 2022 | Final Action: May 24, 2023 Approved

USEMCSC (United States EMC Standards Corp.)
32515 Nottingham Court, P.O. Box 367, Lindstrom, MN  55045


USTMA (U.S. Tire Manufacturers Association)
1400 K Street, NW, Suite 900, Washington, DC 20005 | w: www.ustires.org


VITA (VMEbus International Trade Association (VITA))
929 W. Portobello Avenue, Mesa, AZ 85210 | w: www.vita.com


VITA (VMEbus International Trade Association (VITA))
929 W. Portobello Avenue, Mesa, AZ 85210 | w: www.vita.com


ANSI/VITA 1.3-1997 (S2021), VME64x 9U x 400mm Format (stabilized maintenance of ANSI/VITA 1.3-1997 (R2003)) Public Review: Oct 24, 2008 | Final Action: Nov 4, 2011 Approved


**WCMA (Window Covering Manufacturers Association)**

355 Lexington Avenue, 15th Floor, New York, NY  10017-6603 | w: www.wcmanet.org

- ANSI/WCMA A100.1-2022, Standard for Safety of Window Covering Products *(revision of ANSI/WCMA A100.1-2018)*

**WDMA (Window and Door Manufacturers Association )**

2001 K Street NW, Suite 300, Washington, DC  20006 | w: www.wdma.com


**WMA (World Millwork Alliance)**

10047 Robert Trent Jones Parkway, New Port Richey, FL  34655 | w: http://worldmillworkalliance.com


**WMMA (ASC O1) (Wood Machinery Manufacturers of America)**

2331 Rock Spring Road, Forest Hill, MD  21050 | w: www.wmma.org


- ANSI/WMMA O1.1-3-2014 (R2022), Safety Requirements for CNC Machining Centers for theWoodworking Industry *(reaffirmation of ANSI/WMMA O1.1-3-2014)* Public Review: Sep 10, 2021 | Final Action: Mar 18, 2022 Approved

**X12 (X12 Incorporated)**

24654 N. Lake Pleasant Pkwy., Suite 103  #275, Peoria, AZ  85383 | w: www.x12.org

- ANSI X12 Series, A collection of all ANSI-approved X12 standards. Individual X12 standards not available separately *(revision, redesignation and consolidation of )* Final Action: Oct 16, 2015 Approved