-approved american national standards

user guide for approved american national standards (ans) related data

listed below are approved american national standards (ans) as of 12/4/2023. additional information about these approved ans has been published in ansis'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 ansis's standards action in pdf format are available at (www.ansi.org/standardsaction). questions concerning a particular ans should be directed to the sponsoringansi-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" ansis 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.

3-a (3-a sanitary standards, inc.)

6888 elm street, suite 2d, mclean, va 22101-3829 | w: www.3-a.org

ansi/3a 00-01-2018, 3-a sanitary standard for general requirements (revision and redesignation of ansi/3-a 00-00-2014) pins: dec 25, 2015 | public review: oct 7, 2016 | final action: feb 1, 2018

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


aa (asc h35) (aluminum association)

1400 crystal drive, suite 430, arlington, va 22202 | w: www.aluminum.org


ansi h35.2m-2017, standard dimensional tolerances for aluminum mill products (revision of ansih35.2m-2013) pins: nov 18, 2016 | public review: mar 31, 2017 | final action: nov 14, 2017

ansi h35.4-2017, standard designation system for unalloyed aluminum (revision of ansih35.4-2006 (r2013)) pins: nov 18, 2016 | public review: mar 31, 2017 | final action: nov 14, 2017


ansi h35.5-2013 (r2017), standard nomenclature system for aluminum metal matrix composite materials (reaffirmation of ansih35.5-2013) pins: nov 18, 2016 | public review: mar 31, 2017 | final action: nov 14, 2017


ansi h35.5-2013 (r2017), standard nomenclature system for aluminum metal matrix composite materials (reaffirmation of ansih35.5-2013) pins: nov 18, 2016 | public review: mar 31, 2017 | final action: nov 14, 2017
AABC (Associated Air Balance Council)
1015 18th St. NW, Suite 603, Washington, DC  20036 | w: www.aabc.com


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

Approved American National Standards


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 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/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 ST55-2016 (R2023), Table-top steam sterilizers (reaffirmation of AAMI ST55-2016) Public Review: Jun 4, 2021 | Final Action: Apr 3, 2023 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


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ANSI/AAMI/ISO 11137-1-2006 (R2012))


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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


Approved American National Standards


ANSI/AAMI/ISO 15223-1-2022, Medical devices - Symbols to be used with information to be supplied by the manufacturer – Part 1: General requirements (identical national adoption of ISO 15223-1:2021 and revision of ANSI/AAMI/ISO 15223-1:2016) Public Review: May 13, 2022 | Final Action: Jan 9, 2023 Approved


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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


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

- ANSI B165.1-2019, Power Driven Brushing Tools - Safety
  Requirements for Design, Care and Use (revision of ANSI B165.1-2013)

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

- ANSI ABMA 8.2-2023, Ball and Roller Bearing Mounting Accessories Inch Design (revision of ANSI/ABMA 8.2-1999 (S2020))

- ANSI ABMA ISO 12240-1-AXX-2021, Spherical plain bearings


- ANSI ABMA 9-2015 (R2020), Load Ratings and Fatigue Life for Ball Bearings (reaffirmation of ANSI ABMA 9-2015)
  Public Review: Jun 26, 2020 | Final Action: Nov 2, 2020 Approved


ABTC (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


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


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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ACCA (Air Conditioning Contractors of America)
1520 Belle View Boulevard, #5220, Alexandria, VA 22307 | w: www.acca.org


ACCT (Association for Challenge Course Technology)
P.O. Box 19797, Boulder, CO 80308 | w: www.acctinfo.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

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


ADA (Organization) (American Dental Association)
211 East Chicago Avenue, Chicago, IL  60611-2678 | w: www.ada.org


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ADA (Organization) (American Dental Association)
211 East Chicago Avenue, Chicago, IL  60611-2678 | w: www.ada.org


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ADA (Organization) (American Dental Association)
211 East Chicago Avenue, Chicago, IL  60611-2678 | w: www.ada.org


AGA (ASC B109) (American Gas Association)
400 N. Capitol St., NW, Suite 450, Washington, DC  20001 | w: www.aga.org


AGA (ASC Z223) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC  20001 | w: www.aga.org


AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC  20001 | w: www.aga.org


AGMA (American Gear Manufacturers Association)
1001 N. Fairfax Street, Suite 500, Alexandria, VA  22314 | w: www.agma.org


AGA (ASC Z380) (American Gas Association)
400 North Capitol Street, NW, Suite 450, Washington, DC  20001 | w: www.aga.org


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<th>ANSI/AGMA Standard</th>
<th>Description</th>
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<tr>
<td>ANSI/AGMA 6022-D19</td>
<td>Design Manual for Cylindrical Wormgearing (new standard)</td>
<td>Dec 14, 2018</td>
<td>Sep 9, 2019</td>
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<td>ANSI/AGMA 6034-C21</td>
<td>Practice for Enclosed Cylindrical Wormgears Speed Reducers and Gearmotors (revision and redesignation of ANSI/AGMA 6034-B92-10 (R2016))</td>
<td>Apr 9, 2013</td>
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<td>ANSI/AGMA 6025-E19</td>
<td>Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives (revision and redesignation of ANSI/AGMA 6025-D98 (R2016))</td>
<td>Aug 5, 2016</td>
<td>Jan 26, 2018</td>
<td>Jan 18, 2019</td>
<td>Approved</td>
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<tr>
<td>ANSI/AGMA 6033-C08</td>
<td>Materials for Marine Propulsion Gearing (reaffirmation of ANSI/AGMA 6033-08)</td>
<td>Jul 19, 2019</td>
<td>Dec 14, 2018</td>
<td>Approved</td>
<td></td>
</tr>
</tbody>
</table>


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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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

AMCA (Air Movement and Control Association)

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

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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


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


The data in this document is reported as of Monday, December 4, 2023
ANS (American Nuclear Society)
5200 Thatcher Road, Suite 142, Downers Grove, IL 60515 | w: www.ans.org

- 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

APA (APA - The Engineered Wood Association)
7011 South 19th Street, Tacoma, WA 98466 | w: www.apawood.org


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


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


APTech (ASC B65) (Association for Print Technologies )
450 10th Circle N, Nashville, TN 37203 | w: www.printtechnologies.org


APTech (ASC CGATS) (Association for Print Technologies )
450 10th Circle N, Nashville, TN 37203 | w: www.printtechnologies.org


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Approved American National Standards

APTech (ASC CGATS) (Association for Print Technologies)
450 10th Circle N, Nashville, TN 37203 | w: www.printtechnologies.org


- ANSI/CGATS/ISO 15930-8-2010 (R2021), Graphic technology - Prepress digital data exchange using PDF - Part 8: Partial exchange of printing data using PDF 1.6 (PDF/X5) (reaffirm a national adoption ANSI CGATS/ISO 15930-8-2010 (R2016)) Public Review: Jul 9, 2021 | Final Action: Sep 7, 2021 Approved

ARESCA (American Renewable Energy Standards and Certification Association)
256 Farrell Farm Road, Norwich, VT 05055 | w: www.aresca.us


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ARESCA (American Renewable Energy Standards and Certification Association)

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


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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 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


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


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ASA (ASC S12) (Acoustical Society of America)
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ASA (ASC S2) (Acoustical Society of America)
1305 Walt Whitman Road, Suite 110, Melville, NY  11747 | w: www.acousticalsociety.org


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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


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


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Public Review: Nov 11, 2022 | Final Action: Jan 3, 2023 Approved


Public Review: Nov 19, 2021 | Final Action: Jan 6, 2022 Approved

PINS: Nov 26, 2021 | Public Review: May 27, 2022 | Final Action: Sep 26, 2022 Approved


ANSI/ASAE D241.4-FEB93 (R2022), Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (reaffirmation of ANSI/ASAE D241.4-FEB93 (R2017))
Public Review: Sep 16, 2022 | Final Action: Nov 28, 2022 Approved

ANSI/ASAE EP302.4-AUG93 (R2022), Design and Construction of Surface Drainage Systems on Agricultural Lands in Humid Areas (reaffirmation of ANSI/ASAE EP302.4-AUG93 (R2017))
Public Review: Sep 16, 2022 | Final Action: Nov 28, 2022 Approved

ANSI/ASAE EP378.4 JUN2010 (R202x), Floor and Suspended Loads on Agricultural Structures Due to Use (reaffirmation of ANSI/ASAE EP378.4 JUN2010 (R2014))

ANSI/ASAE EP400.3-2007 (R2022), Designing and Constructing Irrigation Wells (reaffirmation of ANSI/ASAE EP400.3-2007 (R2017))
Public Review: Sep 16, 2022 | Final Action: Nov 28, 2022 Approved

ANSI/ASAE EP411.5-2012 (R2021), Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers (reaffirmation of ANSI/ASAE EP411.5-2012 (R2016))

Public Review: Sep 27, 2019 | Final Action: Nov 12, 2019 Approved

Public Review: Nov 4, 2022 | Final Action: Jan 3, 2023 Approved

PINS: Nov 26, 2021 | Public Review: May 27, 2022 | Final Action: Sep 26, 2022 Approved

ANSI/ASAE/ISO AD500-1:2015 (R2019), Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASAE/ISO AD500-1:2015)
Public Review: Mar 22, 2019 | Final Action: May 21, 2019 Approved

ANSI/ASAE/NFBA S618 DEC2010 (R2020), Post Frame Building system Nomenclature (reaffirmation and redesignation of ANSI/ASAE S618 DEC2010 (R2016))

Public Review: Oct 12, 2018 | Final Action: Nov 29, 2018 Approved


Public Review: Nov 1, 2019 | Final Action: Dec 17, 2019 Approved


ANSI/ASAE EP446.3-2007 (R2022), Loads Exerted by Irish Baling Wire in Shallow Bulk Storage Structure (reaffirmation of ANSI/ASAE EP446.3-2008 (R2017))
Public Review: Sep 27, 2019 | Final Action: Nov 12, 2019 Approved


ANSI/ASAE S229.6-DEC1976 (R2022), Baling Wire for Animal-Drawn Equipment
Public Review: Nov 19, 2021 | Final Action: Jan 6, 2022 Approved

Approved American National Standards

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

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


ASB (ASC Z50) (American Society of Baking)
243 Reade Drive, Cogan Station, PA 17728 | w: www.asbe.org


ASC X9 (Accredited Standards Committee X9, Incorporated)
275 West Street, Suite 107, Annapolis, MD 21401 | w: www.x9.org


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ASC X9 (Accredited Standards Committee X9, Incorporated)

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ASC X9 (Accredited Standards Committee X9, Incorporated)
275 West Street, Suite 107, Annapolis, MD 21401 | w: www.x9.org

- ANSI X9.98-2010 (R2017), Lattice-Based Polynomial Public Key Encryption Algorithm - Part 1: Key Establishment; Part 2: Data Encryption (reaffirmation of ANSI X9.98-2010)

ASCA (Accredited Snow Contractors Association)
DJE Media, Inc., 389 Creekside Drive, Avon Lake, OH 44012 | w: www.ascaonline.org

- ANSI/ASCA A1000-2019, System Requirements for Snow and Ice Management (revision of ANSI/ASCA A1000-2014)
PINS: Feb 1, 2019 | Public Review: May 17, 2019 | Final Action: Jul 1, 2019 Approved

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


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

  Public Review: Sep 8, 2017  | Final Action: Jul 25, 2018 Approved

- ANSI/ASHRAE 135ak-2012, BACnet - A Data Communication Protocol for Building Automation and Control Networks


- ANSI/ASHRAE 135a-2005, BACnet - A Data Communication Protocol for Building Automation and Control Networks

- ANSI/ASHRAE 135ad-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks

- ANSI/ASHRAE 135af-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks

- ANSI/ASHRAE 135ag-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks

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

- ANSI/ASHRAE 135ag-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  | Final Action: Feb 17, 2017 Approved

- ANSI/ASHRAE/T&DI 21-2021, Automated People Mover


- ANSI/ASHRAE 135ae-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks

- ANSI/ASHRAE 135af-2011, BACnet - A Data Communication Protocol for Building Automation and Control Networks

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ANSI/ASHRAE 55a-2011, Designation and Safety
Classification of Refrigerants (addenda to ANSI/ASHRAE
26, 2008 Approved

ANSI/ASHRAE 55e-2012, Designation and Safety
Classification of Refrigerants (addenda to ANSI/ASHRAE
26, 2008 Approved

ANSI/ASHRAE 52.2a-2006, Method of Testing General
Ventilation Air Cleaning Devices for Removal Efficiency by
Particle Size (addenda to ANSI/ASHRAE Standard 52.2
2006 Approved

ANSI/ASHRAE 52.2b-2008, Method of Testing General
Ventilation Air-Cleaning Devices for Removal Efficiency by
Particle Size (addenda to ANSI/ASHRAE Standard 52.2
2006 Approved


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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

  Public Review: Sep 4, 2015 | Final Action: Jan 28, 2016 Approved

  Public Review: Sep 4, 2015 | Final Action: Jan 28, 2016 Approved


  Public Review: Sep 11, 2009 | Final Action: Jan 28, 2010 Approved

  Public Review: Mar 22, 2019 | Final Action: Jun 27, 2019 Approved


  Public Review: Sep 6, 2019 | Final Action: May 4, 2021 Approved

  Public Review: Sep 11, 2009 | Final Action: Jul 1, 2010 Approved

  Public Review: Sep 11, 2009 | Final Action: Jan 28, 2010 Approved


  Public Review: Sep 6, 2019 | Final Action: Sep 1, 2020 Approved

  Public Review: Sep 6, 2019 | Final Action: Mar 2, 2020 Approved

  Public Review: Mar 8, 2013 | Final Action: Jun 27, 2013 Approved

- ANSI/ASHRAE Addendum 90.4d-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
  Public Review: Feb 9, 2018 | Final Action: Jun 27, 2019 Approved


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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)
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ANSI/ASHRAE/ICC/IES/USGBC Addendum bh to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum d to
ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020,
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ANSI/ASHRAE/ICC/IES/USGBC Addendum h to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum I to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum n to
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ANSI/ASHRAE/ICC/IES/USGBC Addendum c to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum e to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum g to
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ANSI/ASHRAE/ICC/IES/USGBC Addendum i to
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ANSI/ASHRAE/ICC/IES/USGBC Addendum j to
ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020,
Standard for the Design of High-Performance Green
Buildings Except Low-Rise Residential Buildings (addenda
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ANSI/ASHRAE/ICC/IES/USGBC Addendum k to
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Standard for the Design of High-Performance Green
Buildings Except Low-Rise Residential Buildings (addenda
to ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020)
Public Review: Jan 21, 2022 | Final Action: Nov 8, 2022
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ANSI/ASHRAE/ICC/IES/USGBC Addendum m to
ANSI/ASHRAE/ICC/IES/USGBC Standard 189.1-2020,
Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/IES/USGBC Addendum o to
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Standard for the Design of High-Performance Green
Buildings Except Low-Rise Residential Buildings (addenda
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ANSI/ASHRAE/ICC/USGBC/IES Addendum aw to
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
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ANSI/ASHRAE/ICC/USGBC/IES Addendum ax to
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
Standard for the Design of High-Performance Green
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Public Review: Jun 26, 2020 | Final Action: Nov 30, 2020
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ANSI/ASHRAE/ICC/USGBC/IES Addendum ay to
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
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ANSI/ASHRAE/ICC/USGBC/IES Addendum az to
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
Standard for the Design of High-Performance Green
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Public Review: Feb 14, 2020 | Final Action: Jul 6, 2020
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ANSI/ASHRAE/ICC/USGBC/IES Addendum bb to
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
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Standard for the Design of High-Performance Green
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ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017,
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ANSI/ASHRAE/ICC/USGBC/IES Addendum bk to
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ASIS (ASIS International)
1625 Prince Street, Alexandria, VA 22314-2818 | w: www.asisonline.org


An American National Standard is a consensus-based standard that is reviewed and approved by a technical committee composed of experts in the field. These standards are developed and maintained by various organizations, including the American Society of Mechanical Engineers (ASME). Each standard is assigned a unique code and is reviewed and approved at specific intervals. The provided text lists some of the approved standards, along with their approval dates and review periods. The information is categorized by the standard's title and the date of approval, making it easy to reference specific standards and their approval statuses.
ASME A112.19.15-2012 (R2022), Bathtub/Whirlpool
Bathtubs with Pressure Sealed Doors (reaffirmation of

ASME A112.19.19-2016 (R2021), Vitreous China Nonwater
Urinals (reaffirmation of ANSI/ASME A112.19.19-2016)
Public Review: Mar 26, 2021 | Final Action: Jun 1, 2021 Approved

ASME A112.19.3-2022/CSA B45.4-2022, Stainless Steel

ASME A112.19.7/CSA B45.10-2020, Hydromassage Bathtub

ASME A112.3.1-2007 (R2022), Stainless Steel Drainage


ASME A112.4.1-2014 (R2019), Water Heater Relief Valve

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 A112.4.4-2017, Plastic Push-Fit Drain, Waste and Vent

ASME A112.6.2-2017 (R2022), Framing-Affixed Supports for

ASME A112.19.17-2010 (R2023), Manufactured Safety
Vacuum Release Systems (SVRS) for Residential and
Commercial Swimming Pool, Spa, Hot Tub and Wading Pool

ASME A112.19.2/CSA B45.1-2018, Ceramic Plumbing

ASME A112.19.3-2022/CSA B45.4-2022, Stainless Steel
Plumbing Fixtures


ASME A112.21.3M-1985 (R2022), Hydrants for Utility and

ASME A112.3.4-2013/CSA B45.9-2018 (R2023), Macerating
Toilet Systems and Related Components (reaffirmation of ANSI/ASME A112.3.4-2013/CSA B45.9-2018) Public Review: Dec 16, 2022 | Final Action: Feb 24, 2023 Approved


ASME A112.4.14/CSA B125.14-2022, Manually or
Automatically Operated Shutoff Valves for Use in Plumbing

ASME A112.4.3-1999 (R2019), Plastic Fittings for Connecting

ASME A112.6.1M-1997 (R2017), Floor-Affixed Supports for


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ASME B1.20.3-1976 (R2023), Dryseal Pipe Threads (reaffirmation of ANSI/ASME B1.20.3-1976 (R2018)) Public Review: Jun 9, 2023 | Final Action: Sep 25, 2023 Approved


ASME B16.48-2023, Metallic Gaskets for Pipe Flanges

ASME B16.22-2018, Wrought Copper and Copper Alloy Solder
Joint Pressure Fittings (revision of ANSI/ASME B16.22

ASME B16.23-2021, Cast Copper Alloy Solder Joint Drainage

ASME B16.25-2022, Butt welding Ends (revision of

ASME B16.29-2022, Wrought Copper and Wrought Copper
Alloy Solder-Joint Drainage Fittings - DWV (revision of

ASME B16.33-2012 (R2017), Manually Operated Metallic Gas
Valves for Use in Gas Piping Systems up to 125 PSI (sizes
NPS 1/2 through NPS 2) (reaffirmation of ANSI/ASME

ASME B16.34-2020, Orifice Flanges (revision of ANSI/ASME

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 B16.42-2021, Ductile Iron Pipe Flanges and Flanged
Fittings: Classes 150 and 300 (revision of ANSI/ASME

ASME B16.47-2017, Large Diameter Steel Flanges (revision

ASME B16.48-2020, Line Blanks (revision of ANSI/ASME

ASME B16.49-2023, Factory-Made, Wrought Steel,
Buttwelding Induction Bends for Transportation and
Distribution Systems (revision of ANSI/ASME B16.49


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


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ASME B30.21-2013 (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 (American Society of Mechanical Engineers)
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ASME B5.10-1994 (S2019), Machine Tapers


ASME B98.1.6-2002 (R2022), Measurement of Plain Internal Diameters for Use as Master Rings or Ring Gages (reaffirmation of ANSI/ASME B98.1.6-2002 (R2017)) Public Review: Jun 24, 2022 | Final Action: Sep 1, 2022 Approved


ASME B98.3.4-2010 (R2019), Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B98.3.4-2010 (R2015)) Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved


ASME B98.1.5-1998 (R2019), Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (reaffirmation of ANSI/ASME B98.1.5-1998 (R2014)) Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved


ASME B98.3.7-2013 (R2023), Granite Surface Plates (reaffirmation of ANSI/ASME B98.3.7-2013 (R2018)) Public Review: Dec 23, 2022 | Final Action: Feb 24, 2023 Approved


ASME B98.7.3.3-2002 (R2022), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B98.7.3.3-2002 (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


ASME (American Society of Mechanical Engineers)
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- ASME BPVC Section IV-2023, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section IV-2021) Public Review: Dec 16, 2022 | Final Action: Mar 8, 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


ASME (American Society of Mechanical Engineers)

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

- ASME NM-3-2022, Nonmetallic Materials
  - Part 1: Thermoplastic Material Specifications
  - Part 2: Thermoset Material Specifications
- ASME PTC 1-2022, Performance Test Codes - General
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ASNT (American Society for Nondestructive Testing)
1201 Dublin Road, Suite G04, Columbus, OH 43215 | w: www.asnt.org


ASPE (American Society of Plumbing Engineers)
6400 Shafer Court, Suite 350, Rosemont, IL 60018 | w: www.aspe.org


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ASPE (American Society of Plumbing Engineers)
6400 Shafer Court, Suite 350, Rosemont, IL  60018 | w: www.aspe.org


ASQ (American Society for Quality)
600 N Plankinton Avenue, Milwaukee, WI  53203 | w: www.asq.org


ASQ (ASC Z1) (American Society for Quality)
600 N Plankinton Avenue, Milwaukee, WI  53201 | w: www.asq.org


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ASTM International
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | w: www.astm.org


ASTM (ASTM International)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | w: www.astm.org


ASTM E1402-2013 (R2018), Guide for Sampling Design


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

Public Review: May 6, 2022 | Final Action: Sep 1, 2022

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

Public Review: Oct 5, 2018 | Final Action: Nov 20, 2018

ASTM E1325-2021, Terminology Relating to Design of Experiments (revision of ANSI/ASTM E1325-2016)
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Public Review: Jun 4, 2021 | Final Action: Oct 1, 2022

Public Review: May 5, 2023 | Final Action: Aug 1, 2023

Public Review: Oct 5, 2018 | Final Action: Nov 20, 2018

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

ASTM E1169-2021, Practice for Conducting Ruggedness Tests (revision of ANSI/ASTM E1169-2020)
Public Review: May 7, 2021 | Final Action: Jun 22, 2021

ASTM E1188-2023, Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator (revision of ANSI/ASTM E1188-2011)
Public Review: Aug 11, 2023 | Final Action: Sep 26, 2023

ASTM E122-2022, Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process (reaffirmation of ANSI/ASTM E122-2017)
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Public Review: Jun 2, 2023 | Final Action: Jul 18, 2023

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

ASTM E1388-2017, Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (new standard)
Public Review: Sep 17, 2021 | Final Action: Nov 2, 2021

ASTM E141-2010 (R2018), Practice for Acceptance of Evidence Based on the Results of Probability Sampling (reaffirmation of ANSI/ASTM E141-2010)
Public Review: Mar 9, 2018 | Final Action: Apr 24, 2018


ASTM (ASTM International)

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


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<th>Standard Number</th>
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<th>Approved Status</th>
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</tr>
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<td>ASTM E2837-2023</td>
<td>Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies (reaffirmation of ANSI/ASTM E2837-2013 (R2017))</td>
<td>Approved</td>
<td>Mar 17, 2023</td>
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<tr>
<td>ASTM E2874-2019</td>
<td>Test Method For Determining the Fire Performance of Building Perimeter Containment Systems Due to External Spread of Fire (new standard)</td>
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<td>ASTM E29-2022</td>
<td>Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM E29-2013 (R2019))</td>
<td>Approved</td>
<td>Apr 26, 2022</td>
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- 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 E3254-2023, Practice for Use of Color in the Visual Examination and Forensic Comparison of Soil Samples (new standard) Public Review: May 6, 2022 | Final Action: May 1, 2023 Approved
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ASTM F1106-1987 (R2023), Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head) (reaffirmation of ANSI/ASTM F1106-87 (R2018)) Public Review: Jun 2, 2023 | Final Action: Jul 18, 2023 Approved


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


- 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


- ASTM F1602-2012 (R2023), Specification for Kettles, Steam-Jacketed, 20 to 200 gal (75.7 to 757 L), Floor or Wall Mounted, Direct Steam, Gas and Electric Heated (reaffirmation of ANSI/ASTM F1602-2012 (R2017)) 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
- ASTM F2207-2006 (R2023), Specification For Cured-In-Place Pipe Lining System For Rehabilitation Of Metallic Gas Pipe (revision of ANSI/ASTM F2207-2006 (R2019)) Public Review: Jun 2, 2023 | Final Action: Jul 18, 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 F3124-2023, Practice for Data Recording the Procedure used to Produce Heat But Fusion Joints in Plastic Piping Systems or Fittings (revision of ANSI/ASTM F3124-2017) Public Review: Jun 2, 2023 | Final Action: Aug 1, 2023 Approved


ASTM F3255-2019, 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


  - Public Review: May 6, 2022 | Final Action: Jun 21, 2022 Approved

  - Public Review: Jul 6, 2018 | Final Action: Aug 21, 2018 Approved

  - Public Review: Mar 12, 2021 | Final Action: Apr 27, 2021 Approved


  - Public Review: Jan 6, 2023 | Final Action: Feb 21, 2023 Approved

- ASTM F480-2014 (R2022), Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80 (reaffirmation of ANSI/ASTM F480-2014)
  - Public Review: Jan 7, 2022 | Final Action: Feb 22, 2022 Approved


  Public Review: Mar 11, 2022 | Final Action: Apr 26, 2022 Approved

  Public Review: Mar 11, 2022 | Final Action: Apr 26, 2022 Approved

- ASTM F841-2020, Specification for Thrusters, Tunnel, Permanently Installed in Marine Vessels (revision of ANSI/ASTM F841-84 (R2011))
  Public Review: Nov 8, 2019 | Final Action: Dec 24, 2019 Approved


- ASTM F861-2014a (R202x), Specification for Commercial Dishwashing Racks (reaffirmation of ANSI/ASTM F861-2014a)

  Public Review: Jan 6, 2023 | Final Action: Feb 21, 2023 Approved

  Public Review: Aug 11, 2023 | Final Action: Sep 26, 2023 Approved

- ASTM F905-2004 (R2022), Practice for Qualification of Polyethylene Saddle-Fused Joints (reaffirmation of ANSI/ASTM F905-2004 (R2018))

  Public Review: Jul 7, 2023 | Final Action: Aug 22, 2023 Approved


  Public Review: Mar 11, 2022 | Final Action: Apr 26, 2022 Approved

  Public Review: Mar 11, 2022 | Final Action: Apr 26, 2022 Approved

  Public Review: Sep 2, 2022 | Final Action: Oct 18, 2022 Approved

  Public Review: Apr 6, 2018 | Final Action: May 22, 2018 Approved

  Public Review: Nov 2, 2018 | Final Action: Dec 18, 2018 Approved

  Public Review: Jan 6, 2023 | Final Action: Feb 21, 2023 Approved

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  Public Review: Jan 18, 2019 | Final Action: Mar 5, 2019 Approved


  Public Review: Jan 8, 2021 | Final Action: May 1, 2021 Approved


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ATIS (Alliance for Telecommunications Industry Solutions)
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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 0900105.09-2013 (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 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 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


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- ANSI ATIS 1000114-2004 (S2019), Signaling Number 7 (S7) - Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014)) Public Review: Jun 21, 2019 | Final Action: Sep 9, 2019 Approved

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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


ANSI ATIS 1000660-1998 (S2018), Signaling System Number 7 - Call Completion to a Portable Number - Integrated Text (stabilized maintenance of ANSI ATIS 1000660-1998 (R2013)) Public Review: Nov 24, 2017 | Final Action: Feb 6, 2018 Approved


ANSI ATIS 1000678.b.v2-2010 (R2018), Supplement B to ANSI 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


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 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 0600427.03-2004 (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


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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


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


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ATSIP (Association of Transportation Safety Information Professionals)
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AVIXA (Audiovisual and Integrated Experience Association)
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AWPA (ASC O5) (American Wood Protection Association)
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AWS A5.31M/A5.31-2021, Specification for Fluxes for Brazing and Braze Welding (revision of ANSI/AWS A5.31M/A5.31-2012) PINS: Dec 14, 2018 | Public Review: Nov 5, 2021 | Final Action: Jul 1, 2022 Approved


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 (revision of ANSI/AWS A5.5/A5.5M-2014) PINS: Feb 12, 2016 | Public Review: Jul 15, 2022 | Final Action: Sep 8, 2022 Approved


AWS B2.1-1-017-2018, 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, 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 B2.1-1-022-2018, 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, INMs-1, 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 B2.1-1-213-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored 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-3 and E71T-X, 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 B2.1-1-215-2020-AMD1, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored 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, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS: Mar 12, 2021 | Public Review: Dec 10, 2021 | Final Action: Feb 17, 2022 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 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 B2.1-1/8-229-2023, 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


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, 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 B2.1-2-015-2022, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Aluminum (M/P-22 to M/P-22), 18 through 10 Gauge, ER4043 or R4043, in the As-Welded Condition, with or without Backing (new standard) PINs: Apr 30, 2021 | Public Review: Sep 24, 2021 | Final Action: Nov 29, 2021 Approved


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 B2.1-8-216-2023, 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


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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ANSI/AWWA B130-2023, Membrane Bioreactor Systems


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 7, 2023 Approved


ANSI/AWWA C507-2023, Ball Valves, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C507-2018) PINS: Jul 19, 2019 | Public Review: Sep 1, 2023 | Final Action: Nov 2, 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 C521-2022, 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 C903-2021, Polyethylene-Aluminum-Polyethylene (PE-AL-PE) Composite Pressure Pipe, 12 mm (1/2 In.) Through 51 mm (2 In.), for Water Service


ANSI/AWWA C800-2021, 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

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

ANSI/AWWA C904-2022, 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


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- 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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- ANSI B11.16 (MPIF 47)-2003 (R2020), Safety Requirements for Powder / Metal Compacting Presses (reaffirmation and redesignation of ANSI B11.16-2014) Public Review: Jul 19, 2019 | Final Action: Jan 6, 2020 Approved
- ANSI B11.6-2022, Safety Requirements for Manual Turning Machines (Lathes) with or without Automatic Control (revision of ANSI B11.6-2001 (R2020)) PINS: Feb 18, 2011 | Public Review: Jan 21, 2022 | Final Action: Mar 8, 2022 Approved
B11 (B11 Standards, Inc.)
PO Box 690905, Houston, TX  77269-0905 | w: https://www.b11standards.org/


BHCOE (Behavioral Health Center of Excellence)
8033 West Sunset Blvd, #1093, Los Angeles, CA  90046 | w: www.bhcoe.org


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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The data in this document is reported as of Monday, December 4, 2023


ANSI/BHMA A156.4-2019, Standard for Door Controls - Closers (revision of ANSI/BHMA A156.4-2013) PINS: Jan 5, 2018 | Public Review: Mar 22, 2019 | Final Action: Jul 9, 2019 Approved


Approved American National Standards

The data in this document is reported as of Monday, December 4, 2023

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)
678 Front Avenue NW, Suite 150, Grand Rapids, MI  49504-5368 | w: www.bifma.org

BIFMA (Business and Institutional Furniture Manufacturers Association)
678 Front Avenue NW, Suite 150, Grand Rapids, MI 49504-5368 | w: www.bifma.org

- 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)
66 Putnam Street, Suite 202, Saratoga Springs, NY 12866 | w: www.bpi.org

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

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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

- ANSI/CEMA 403-2003 (R2015), Belt Driven Live Roller Conveyors  
  Approved

- ANSI/CEMA Standard 501.1-2021, Specifications for Welded Steel Wing Pulleys  
  Approved

- ANSI/CEMA Standard No. 102-2022, Conveyor Terms and Definitions  
  Approved

- ANSI/CEMA Standard No. 350-2021, Screw Conveyor for Bulk Materials  
  Approved
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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CSA (CSA America Standards Inc.)
178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario M9W 1R3 | w: www.csagroup.org

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


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


- 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 13, 2021 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 Z83.11-2016/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 Z83.4-2016 (R2022), Non-Recirculating Direct Gas-Fired Heating And Forced Ventilation Appliances For Commercial And Industrial Application, same as CSA 3.7-2016 (reaffirmation of ANSI Z83.4-2016) Public Review: Jan 14, 2022 | Final Action: Mar 3, 2022 Approved


ANSI/CSA LC 6 (R2023), Natural Gas Operated Diaphragm Pumps (reaffirmation of ANSI/CSA LC 6-2008 (R2018)) Public Review: Jul 21, 2023 | Final Action: Sep 15, 2023 Approved


ANSI/CSA LC 6 (R2023), Natural Gas Operated Diaphragm Pumps (reaffirmation of ANSI/CSA LC 6-2008 (R2018)) Public Review: Jul 21, 2023 | Final Action: Sep 15, 2023 Approved


ANSI/CSA R118-2023, Concrete carbon intensity quantification and verification (new standard) PINS: Sep 2, 2022 | Public Review: Jun 30, 2023 | Final Action: Nov 10, 2023 Approved


ANSI/CSA R118-2023, Concrete carbon intensity quantification and verification (new standard) PINS: Sep 2, 2022 | Public Review: Jun 30, 2023 | Final Action: Nov 10, 2023 Approved


ANSI/NGV 4.6a-2021, Manually operated valves for natural gas dispensing systems (addenda to ANSI/CSA NGV 4.6 -2020) PINS: Feb 26, 2021 | Public Review: Apr 9, 2021 | Final Action: Jun 10, 2021 Approved

BSR/CASA NGV 4.6-2021, Manually operated valves for natural gas dispensing systems (revision of ANSI/CSA NGV 4.6 -2020) PINS: Feb 5, 2021 | Approved

CTA (Consumer Technology Association)

1919 South Eads Street, Arlington, VA  22202 | w: www.cta.tech


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<td>Glossary of Terms for Sleep Wearable Devices (new standard)</td>
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<td>Physical Activity Monitoring for Heart Rate - Real World Analysis (new standard)</td>
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<td>Definitions and Characteristics of Consumer Stress Monitoring Technologies (new standard)</td>
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<td>Intensity Metrics: Physical Activity Monitoring (new standard)</td>
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<td>Definitions and Characteristics for VR Video and VR Images (new standard)</td>
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DMSC (Digital Metrology Standards Consortium, Inc.)
3245 Latta Road, No. 16595, Rochester, NY 14616 | w: www.dmis.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


ANSI/EIA 364-102-1998 (R2023), Waveguide Flanges - Dual Contact Pressurizable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard) PINS: Feb 9, 2018 | Public Review: Jul 20, 2018 | Final Action: Feb 5, 2019


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


- 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


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


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EOS/ESD (ESD Association, Inc.)

218 W. Court Street, Rome, NY 13440 | w: https://www.esda.org

- ANSI/EOS ESD S11.4-2022, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Static Control Bags (revision of ANSI/EOS S11.4-2013)
  PINS: Jan 5, 2018 | Public Review: Dec 16, 2022 | Final Action: Feb 21, 2023 Approved


  PINS: Feb 18, 2022 | Public Review: May 6, 2022 | Final Action: Jun 9, 2022 Approved


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


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 E1.30-10-2010 (R2021), EPI 21. E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.30-10-2010 (R2016)) Public Review: Mar 5, 2021 | Final Action: May 21, 2021 Approved


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 E1.9-2007 (R2023), Reporting Photometric Performance Data for Luminaires Used in Entertainment (reaffirmation of ANSI E1.9-2007 (R2017)) Public Review: Jul 8, 2022 | Final Action: Mar 9, 2023 Approved


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FCI (Fluid Controls Institute)
1300 Sumner Avenue, Cleveland, OH  44115 | w: www.fluidcontrolsinstitute.org


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

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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  01151 | w: www.ansiz97.com


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


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


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ANSI/HI 5.1-5.6-2016 (R2021), Sealless Rotodynamic Pumps for Nomenclature, Definitions, Design, Application, Operation, and Test (reaffirmation of ANSI/HI 5.1-5.6-2016) PINS: May 24, 2019 | Public Review: Apr 9, 2021 | Final Action: Jul 16, 2021 Approved


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

  Approved

HIBCC (Health Industry Business Communications Council)
2525 E. Arizona Biltmore Circle Ste. 127, Phoenix, AZ 85016 | w: www.hibcc.org

  Approved

HL7 (Health Level Seven)
455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI 48108 | w: www.hl7.org

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ANSI/HL7 V3 COMT, R3-2010 (R2020), HL7 Version 3
Standard: Shared Messages, Release 3 (reaffirmation of ANSI/HL7 V3 COMT, R3-2010 (R2015))

ANSI/HL7 V3 CTS, R2-2015 (R2022), HL7 Version 3
Public Review: Nov 5, 2021 | Final Action: Jan 18, 2022 Approved

ANSI/HL7 V3 ECG, R1-2004 (R2019), HL7 Version 3
Standard: Regulated Studies - Annotated ECG, Release 1 (reaffirmation of ANSI/HL7 V3 ECG, R1-2004 (R2014))
Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved

ANSI/HL7 V3 GELLO, R2-2010 (R2022), HL7 Version 3
Public Review: Feb 4, 2022 | Final Action: Mar 24, 2022 Approved

ANSI/HL7 V3 ICSRP1, R2-2012 (R2021), HL7 Version 3
Public Review: Oct 1, 2021 | Final Action: Dec 9, 2021 Approved

ANSI/HL7 V3 IDC, R2-2013 (R2020), HL7 Version 3
Standard: Implantable Device Cardiac - Follow-up Device Summary, Release 2 (reaffirmation of ANSI/HL7 V3 IDC, R2-2013)

ANSI/HL7 V3 INFOB, R2-2014 (R2019), HL7 Version 3
Standard: Context-Aware Retrieval Application (Infobutton); Knowledge Request, Release 2 (reaffirmation of ANSI/HL7 V3 INFOB, R2-2014)
Public Review: Jun 21, 2019 | Final Action: Aug 12, 2019 Approved

ANSI/HL7 V3 ISODT, R1-2013 (R2018), HL7 Version 3
Standard: XML Implementation Technology Specification, R2; ISO-Harmonized Data Types, Release 1 (reaffirm a national adoption ANSI/HL7 V3 ISODT, R1-2013)
Public Review: Feb 23, 2018 | Final Action: Apr 20, 2018 Approved

ANSI/HL7 V3 PAPRSNREG, R1-2015 (R2020), HL7 Version 3
Standard: Patient Administration; Person Registry, Release 1 (reaffirmation of ANSI/HL7 V3 PAPRSNREG, R1-2015)

ANSI/HL7 V3 CSP, R1-2014 (R2019), HL7 Version 3
Standard: Clinical Statement Pattern, Release 1 (reaffirmation of ANSI/HL7 V3 CSP, R1-2014)
Public Review: May 31, 2019 | Final Action: Aug 1, 2019 Approved

ANSI/HL7 V3 DAM DIETORD, R2-2017 (R2022), HL7 Version 3
Domain Analysis Model: Diet and Nutrition Orders, Release 2 (reaffirmation of ANSI/HL7 V3 DAM DIETORD, R2-2017)
Public Review: Jun 10, 2022 | Final Action: Aug 2, 2022 Approved

ANSI/HL7 V3 GELLO IG CDS MDL, R1-2017 (R2022), HL7 Version 3
Public Review: Sep 2, 2022 | Final Action: Nov 10, 2022 Approved

ANSI/HL7 V3 HQMF, R1-2017 (R2022), HL7 Version 3
Standard: Representation of the Health Quality Measures Format (eMeasure), Release 1 (reaffirmation of ANSI/HL7 V3 HQMF, R1-2017)
Public Review: Aug 12, 2022 | Final Action: Sep 29, 2022 Approved

ANSI/HL7 V3 ICSRP2, R2-2012 (R2021), HL7 Version 3
Public Review: Oct 1, 2021 | Final Action: Dec 9, 2021 Approved

Implementation Guide: Data Segmentation for Privacy (DS4P), Release 1 (reaffirmation of ANSI/HL7 V3 IG DS4P, R1-2014)
Public Review: Jul 12, 2019 | Final Action: Sep 9, 2019 Approved

ANSI/HL7 V3 IS, R1-2014 (R2019), HL7 Version 3
Standard: Identification Service (IS), Release 1 (reaffirmation of ANSI/HL7 V3 IS, R1-2014)
Public Review: Mar 22, 2019 | Final Action: May 23, 2019 Approved

ANSI/HL7 V3 LBRESULT, R1-2009 (R2020), HL7 Version 3
Standard: Laboratory Results, Release 1 (reaffirmation of ANSI/HL7 V3 LBRESULT, R1-2009 (R2014))

ANSI/HL7 V3 PASS SECURITY LABELSRV, R1-2014 (R2019), HL7 Version 3
Public Review: Mar 22, 2019 | Final Action: Jun 7, 2019 Approved


HL7 (Health Level Seven)
455 E. Eisenhower Parkway, Suite 300 #025, Ann Arbor, MI  48108 | w: www.hl7.org


Home Innovation (Home Innovation Research Labs)
400 Prince George's Boulevard, Upper Marlboro, MD  20774 | w: www.HomeInnovation.com


HPS (ASC N13) (Health Physics Society)
950 Herndon Parkway, Suite 450, Herndon, VA  20170 | w: www.hps.org


HPS (ASC N43) (Health Physics Society)

950 Herndon Parkway, Suite 450, Herndon, VA 20170 | w: www.hps.org

ANSI N43.10-2019, 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


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

- 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
- 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 (3) (International Association of Plumbing & Mechanical Officials)
4755 East Philadelphia Street, Ontario, CA  91761 | 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 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 (WES) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | w: http://www.iapmo.org


IAPMO (2) (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761 | w: https://www.iapmostandards.org

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


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


ICC (International Code Council)
4051 Flossmoor Road, Country Club Hills, IL 60478 | w: www.iccsafe.org


ICE (International Code Council)
4051 Flossmoor Road, Country Club Hills, IL 60478 | w: www.iccsafe.org


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


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IEEE 1673-2015, Standard for Requirements for Conduit and Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures above Atmospheric (1.5 kPa, 0.22 psi) (new standard) PINS: Mar 19, 2010 | Public Review: May 27, 2016 | Final Action: May 5, 2017 Approved

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<td>Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (new standard)</td>
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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 (Institute of Electrical and Electronics Engineers)

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


- IEEE 2404-2016, Standard for Power Plant De-Nitrogen Oxide (DeNox) Plate-Type Catalyst (new standard) PINS: Jan 17, 2014 | Public Review: Dec 2, 2016 | Final Action: Sep 1, 2017 Approved


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


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 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


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)


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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


- 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: Mar 18, 2022 | Final Action: May 6, 2022 Approved


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


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IES (Illuminating Engineering Society)
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IIEST (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


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


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


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


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


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


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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 62453-301 (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) (revision 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 Buttweld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (revision 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 77.82.01-2014, 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


ANSI/ISA 75.08.09-2016, 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 77.42.01-2019, 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


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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1101 Wilson Blvd, Suite 1425, Arlington, VA 22209 | w: www.safetyequipment.org


ISEA (ASC Z87) (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

- INCITS 103-1983 [S2021], Unrecorded Magnetic Tape Minicassette For Information Interchange, Coplanar 3.81 mm (0.150 Inch) (stabilized maintenance of INCITS 103-1983 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 29, 2011 Approved
- INCITS 100a-1991 [S2020], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum (stabilized maintenance of INCITS 100a-1991 (R2005)) Public Review: Feb 12, 2010 | Final Action: Jul 7, 2010 Approved


INCITS 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)) Public Review: Apr 6, 2007 | Final Action: Jul 24, 2007 Approved


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 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 ln), 252 to 394 ftpmm (6400 to 10000 ftpi) (stabilized maintenance of INCITS 164-1990 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 29, 2011 Approved


INCITS 197-1991 [S2017], Information Systems - Unrecorded Magnetic Tape and Cartridge for Information Interchange 1/2 in (12.65 mm), Serial Serpentine, 22-Track, 6667 ftpi (262 ftpmm) and 48-Track, 10,000 ftpi (394 ftpm) (stabilized maintenance of INCITS 197-1991 (R2002)) Public Review: Apr 6, 2007 | Final Action: Jul 23, 2007 Approved


INCITS 205-1992 [S2017], Helical-Scan Digital Computer Tape Cartridge, 3.81 mm (0.150 in), DATA/DAT Recorded Format for Information Interchange (stabilized maintenance of INCITS 205-1992 (R2002)) Public Review: Apr 6, 2007 | Final Action: Jul 12, 2007 Approved


INCITS 227-1996 [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange - Serial, 0.250 in (6.30 mm) 20 Tracks, 10 000 bpi (394 bppm) and 28-Track, 14 700 bpi (579 bppm), MFM Encoded (stabilized maintenance of INCITS 227-1996 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 29, 2011 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 bpmm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 243-1996 (R2006)) Public Review: Aug 26, 2011 | Final Action: Dec 28, 2011 Approved


INCITS 249-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 in (6.35 mm), 10 000 - 14 700 ftpi (394 579 ftppm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005)) Public Review: Feb 12, 2010 | Final Action: Jul 7, 2010 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 247-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10 000 - 14 700 ftpi (394 579 ftppm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 247-1995 (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 282-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm) Serial Serpentine, 128-Track, 62 500 bpi (2460 bpm), DLT3 Format (stabilized maintenance of INCITS 282-1996 (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 bpmm), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008)) Public Review: Jun 7, 2013 | Final Action: Oct 14, 2013 Approved


INCITS 319-1998 [S2022], Information Technology - Programming Languages - Smalltalk (stabilized maintenance of INCITS 319-1998 (R2007)) Public Review: Jul 6, 2012 | Final Action: Sep 6, 2012 Approved


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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 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


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


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- INCITS 48-1986 [S2017], Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bpm (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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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


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


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


INCITS/ISO/IEC 1860:1988 [R2010])


INCITS/ISO 19162:2019 [2020], Geographic Information -

INCITS/ISO 2033:1983 [S2023], Information Processing -


INCITS/ISO 3275:1974 [S2023], Information processing --
Implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on 3.81 mm magnetic cassette for data interchange (stabilized maintenance of INCITS/ISO 3275:1974 [R2018]) Public Review: May 19, 2023 | Final Action: Sep 5, 2023 Approved

INCITS/ISO 3562:1976 [S2020], Information processing --

INCITS/ISO 3564:1976 [S2020], Information processing --

INCITS/ISO 4337:1977 [S2020], Information processing --

INCITS/ISO 5653:1980 [S2020], Information processing --

INCITS/ISO 19165-1:2018 [2020], Geographic Information -

INCITS/ISO 2382-21:1985 [S2011], Information technology --

INCITS/ISO 3275:1974 [R2089], Information processing --

INCITS/ISO 3561:1976 [S2020], Information processing --

INCITS/ISO 3563:1976 [S2020], Information processing --

INCITS/ISO 3692:1996 [S2020], Information processing --


INCITS/ISO 5654-1:1984 [S2020], Information processing -
Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 ftpm, 1.9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 5654-1:1984 [R2015]) Public Review: Jun 26, 2020 | Final Action: Oct 30, 2020 Approved
INCITS/ISO 6586:1980 [S2023], Data processing –
Implementation of the ISO 7-bit and 8-bit coded character
sets on punched cards (stabilized maintenance of
INCITS/ISO 6586:1980 [R2018]) Public Review: May 19,
2023 | Final Action: Aug 4, 2023 Approved

representation of geographic point location by coordinates
(reaffirm a national adoption INCITS/ISO 6709:2008/COR
Action: Oct 20, 2020 Approved

INCITS/ISO 6936:1988 [R2019], Information Processing -
Conversion between the Two Coded Character Sets of ISO
646 and ISO 6937-2 and the CCITT International Telegraph
Alphabet No. 2 (ITA 2) (reaffirm a national adoption
2019 | Final Action: Nov 22, 2019 Approved

INCITS/ISO 7065-1:1985 [S2020], Info processing -Data
interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording, 13,262 ftprad,
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 8485-1989 [S2021], Programming languages -
APL (stabilized maintenance of INCITS/ISO 8485-1989
14, 2011 Approved

INCITS/ISO 8860-1:1987 [S2020], Information Processing -
Data Interchange On 90 Mm (3.5 In) Flexible Disk
Cartridges Using Modified Frequency Modulation Recording
At 7 958 Ftprad On 80 Tracks On Each Side - Part 1:
Dimensional, Physical And Magnetic Characteristics
(stabilized maintenance of INCITS/ISO 8860-1:1987
30, 2020 Approved

INCITS/ISO 9036:1987 [S2023], Information processing --
Arabic 7-bit coded character set for information interchange
(stabilized maintenance of INCITS/ISO 9036:1987
[R2018]) Public Review: May 19, 2023 | Final Action: Aug
4, 2023 Approved

INCITS/ISO 6596-1:1985 [S2020], Information processing -
Data interchange on 130 mm (5.25 in) flexible disk
cartridges using two-frequency recording at 7 958 ftprad,
1.9 tpmm (48 tpi), on one side - Part 1: Dimensional,

INCITS/ISO 6709:2022 [2023], Standard representation of
geographic point location by coordinates (identical national
adoption of ISO 6709:2022 and revision of INCITS/ISO
6709:2008 [R2018])
INCITS/ISO 6709:2008/COR 1:2009 [R2020]) PINS: Jan 27,
2023 | Public Review: Mar 10, 2023 | Final Action: May
19, 2023 Approved

representation of geographic point location by coordinates (stabilized maintenance of INCITS/ISO 6709:2008/COR
Action: Oct 30, 2020 Approved

INCITS/ISO 6936:1988 [R2019], Information Processing -
Conversion between the Two Coded Character Sets of ISO
646 and ISO 6937-2 and the CCITT International Telegraph
Alphabet No. 2 (ITA 2) (reaffirm a national adoption
2019 | Final Action: Nov 22, 2019 Approved

INCITS/ISO 7065-1:1985 [S2020], Info processing -Data
interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording, 13,262 ftprad,
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 7487-2-1985 [S2012], Information Processing -
Data Interchange On 130 Mm (5.25 In) Flexible Disk
Cartridges Using Modified Frequency Modulation Recording
At 7 958 Ftprad, 1.9 tpmm (48 tpi), on Both Sides - Part 2:
Track Format A (stabilized maintenance of INCITS/ISO
7487-2-1985 (R2007)) Public Review: Jun 8, 2012 | Final
Action: Aug 23, 2012 Approved

INCITS/ISO 8630-1:1987 [S2020], Info processing -Data
interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 13,262 ftprad, on 80 tracks on each side - Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 8630-1:1987 [R2015]) Public Review: Jun 26, 2020 | Final Action: Oct 30, 2020 Approved

INCITS/ISO 8879:1986 [S2014], Information Processing -
Text and Office Systems - Standard Generalized Markup
(stabilized maintenance of INCITS/ISO 8879:1986
21, 2014 Approved

INCITS/ISO 9069:1988 [S2014], Information Processing -
SGML Support Facilities - SGML Document Interchange
Format (SDIF) (stabilized maintenance of INCITS/ISO 9069


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INCITS/ISO/IEC 14496-2:2020 [2021], Information
technology - Coding of audio-visual objects - Part 2: Advanced video coding (identical national adoption of
Approved

INCITS/ISO/IEC 14496-1:2010 [R2022], Information
technology - Coding of audio-visual objects - Part 1:
Systems (reaffirmation of INCITS/ISO/IEC 14496-1:2010
[R2017]) Public Review: May 13, 2022 | Final Action: Aug
30, 2022 Approved

Information technology - Coding of audio-visual objects -
Part 11: Scene description and application engine -
Amendment 5: Support for Symbolic Music Notation
(reaffirm a national adoption INCITS/ISO/IEC
| Final Action: Dec 8, 2014 Approved

INCITS/ISO/IEC 14496-12:2022 [2022], Information
technology - Coding of audio-visual objects - Part 12: ISO
base media file format (identical national adoption of
ISO/IEC 14496:12:2022 and revision of INCITS/ISO/IEC
14496:12:2020 [2021]) PINS: Mar 18, 2022 | Public
Review: Apr 29, 2022 | Final Action: Jul 14, 2022 Approved

INCITS/ISO/IEC 14496:14:2020 [2021], Information
technology - Coding of audio-visual objects - Part 14: MP4
file format (identical national adoption of ISO/IEC 14496
[R2018]) PINS: Mar 12, 2021 | Public Review: Apr 23,
2021 | Final Action: Aug 31, 2021 Approved

INCITS/ISO/IEC 14496:15:2019 [2021], Information

INCITS/ISO/IEC 14496:16:2011 [R2019], Information
technology - Coding of audio-visual objects - Part 16:

INCITS/ISO/IEC 14496:17:2006 [R2019], Information
technology - Coding of audio-visual objects - Part 17: Streaming text format (reaffirm a national adoption
INCITS/ISO/IEC 14496:17:2006 [R2014]) Public Review:
Aug 2, 2019 | Final Action: Nov 21, 2019 Approved

INCITS/ISO/IEC 14496:19:2004 [R2019], Information
technology - Coding of audio-visual objects - Part 19:
Synthesized texture stream (reaffirm a national adoption
Aug 2, 2019 | Final Action: Nov 21, 2019 Approved
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INCITS/ISO/IEC 15444-1:2007 [R2014]) tools, APIs and protocols


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


INCITS/ISO/IEC 15521:1998 [S2020], Information Technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 2,6 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 15457-3:2008 [R2005])


Public Review: Jun 1, 2012 | Final Action: Aug 1, 2012 Approved
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INCIITS/ISO/IEC 17203:2017 [R2023], Information technology - Open Virtualization Format (OVF) specification
(reaffirmation of INCIITS/ISO/IEC 17203:2017 [2018])
Public Review: May 19, 2023 | Final Action: Aug 28, 2023 Approved

INCIITS/ISO/IEC 17342:2004 [S2020], Information Technology - 80 Mm (1,46 Gbytes Per Side) And 120 Mm
(4,70 Gbytes Per Side) DVD Re-Recordable Disk (DVD-RW)

INCIITS/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

INCIITS/ISO/IEC 17462:2000 [S2021], Information technology - 3,81 mm Wide Magnetic Tape Cartridge for Information
Interchange - Helical scan recording - DDS-4 Format

INCIITS/ISO/IEC 17594:2004 [S2020], Information technology — Cases for 120 mm and 80 mm DVD-RAM disks

INCIITS/ISO/IEC 17789:2014 [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)

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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


Public Review: May 13, 2022 | Final Action: Sep 1, 2022 Approved


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INCITS/ISO/IEC 20563:2001 [S2012], Information technology - 80 mm (1.23 Gbytes per side) and 120 mm (3.95 Gbytes per side) DVD-recordable disk (DVD-R) (stabilized maintenance of INCITS/ISO/IEC 20563:2001 (R2007))


Public Review: Jul 6, 2012 | Final Action: Sep 6, 2012 Approved


Public Review: May 19, 2023 | Final Action: Aug 28, 2023 Approved


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Approved American National Standards

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

- INCITS/ISO/IEC 24709-1:2017 [2019], Information
technology – Conformance testing for the biometric
application programming interface (BioAPI) – Part 1:
Methods and procedures (identical national adoption of
ISO/IEC 24709-1:2017 and revision of INCITS/ISO/IEC
24709-1:2007 [R2014]) PINS: Jun 28, 2019 | Public
Review: Aug 9, 2019 | Final Action: Nov 22, 2019 Approved

- INCITS/ISO/IEC 24711:2015 [2018], Method for the
determination of ink cartridge yield for colour inkjet printers
and multi-function devices that contain printer components
(identical national adoption of ISO/IEC 24711:2015 and
revision of INCITS/ISO/IEC 24711:2007 [R2013])
INCITS/ISO/IEC 24711:2007/Cor 1:2013) PINS: Jul 27, 2018
| Public Review: Sep 7, 2018 | Final Action: Dec 31, 2018
Approved

- INCITS/ISO/IEC 24711:2021 [2022], Information technology -
Office equipment - Method for the determination of ink
cartridge yield for colour inkjet printers and multi-function
devices that contain printer components (identical national
adoption of ISO/IEC 24711:2021 and revision of INCITS/ISO/IEC
24711:2015 [2018]) PINS: Jun 24, 2022 | Public
Review: Aug 5, 2022 | Final Action: Nov 11, 2022
Approved

- INCITS/ISO/IEC 24713-1:2008 [R2019], Information
technology - Biometric profiles for interoperability and data
interchange - Part 1: Overview of biometric systems and
biometric profiles (reaffirm a national adoption
INCITS/ISO/IEC 24713-1:2008 [R2014]) Public Review:
Aug 2, 2019 | Final Action: Nov 21, 2019 Approved

- INCITS/ISO/IEC 24727-1:2014 [R2023], Identification cards -
Integrated circuit card programming interfaces - Part 1:
Architecture (reaffirmation of INCITS/ISO/IEC 24727
-1:2014 [2018]) Public Review: May 19, 2023 | Final
Action: Aug 31, 2023 Approved

- INCITS/ISO/IEC 24727-3:2008 [R2019], Identification cards -
Programming interfaces for Integrated Circuit Card - Part 3:
Application interface (reaffirm a national adoption
INCITS/ISO/IEC 24727-3:2008 [R2014]) Public Review:
Aug 2, 2019 | Final Action: Nov 22, 2019 Approved

- INCITS/ISO/IEC 24734:2021 [2022], Information technology -
Office equipment - Method for measuring digital printing
productivity (identical national adoption of ISO/IEC
| Final Action: Nov 11, 2022 Approved

- INCITS/ISO/IEC 24745:2022 [2023], Information security,
cybersecurity and privacy protection - Biometric information
protection (identical national adoption of ISO/IEC
24745:2022 and revision of INCITS/ISO/IEC 24745:2011
[R2022]) Public Review: Jul 14, 2023 | Final Action: Oct 3,
2023 Approved

- INCITS/ISO/IEC 24709-3:2011 [R2021], Information
technology – Conformance testing for the biometric
application programming interface (BioAPI) – Part 3: Test
assertions for BioAPI frameworks (reaffirm a national
adoption INCITS/ISO/IEC 24709-3:2011 [R2016]) Public
Review: Apr 9, 2021 | Final Action: Aug 30, 2021 Approved

- INCITS/ISO/IEC 24711:2007/Cor 1:2013, Method for the
determination of ink cartridge yield for colour inkjet printers
and multi-function devices that contain printer components
– Technical Corrigendum 1 (identical national adoption
Approved

- INCITS/ISO/IEC 24712:2007 [R2023], Colour test pages for
measurement of office equipment consumable yield
(reaffirmation of INCITS/ISO/IEC 24712:2007 [R2018])
Public Review: May 19, 2023 | Final Action: Aug 31, 2023
Approved

- INCITS/ISO/IEC 24713-3:2009 [R2020], Information
technology - Biometric profiles for interoperability and data
interchange - Part 3: Biometrics-based verification and
identification of seafarers (reaffirm a national adoption
INCITS/ISO/IEC 24713-3:2009 [R2015]) Public Review:
Jun 26, 2020 | Final Action: Oct 20, 2020 Approved

- INCITS/ISO/IEC 24727-2:2008 [R2019], Identification cards -
Programming Interfaces for Integrated Circuit Cards - Part 2:
Generic card edge (reaffirm a national adoption
Aug 2, 2019 | Final Action: Nov 22, 2019 Approved

- INCITS/ISO/IEC 24727-4:2008 [R2019], Identification cards -
Integrated circuit card programming interfaces - Part 4:
Application programming interface (API) administration
(reaffirm a national adoption INCITS/ISO/IEC 24727
Action: Nov 22, 2019 Approved

- INCITS/ISO/IEC 24735:2021 [2022], Information technology -
Office equipment - Method for measuring digital copying
productivity (identical national adoption of ISO/IEC
| Final Action: Nov 11, 2022 Approved

- INCITS/ISO/IEC 24747:2009 [R2020], Information technology -
Programming languages, their environments and system
software interfaces - Extensions to the C Library to support
mathematical special functions (reaffirm a national
adoption INCITS/ISO/IEC 24747:2009 [R2015]) Public
Review: Jun 26, 2020 | Final Action: Oct 9, 2020 Approved

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Approved American National Standards

INCIITS (InterNational Committee for Information Technology Standards)
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Public Review: May 13, 2022 | Final Action: Aug 30, 2022 Approved

Public Review: May 13, 2022 | Final Action: Sep 1, 2022 Approved

Public Review: Jul 27, 2018 | Final Action: Dec 31, 2018 Approved

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


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


INCITS/ISO/IEC 8824-1:2021 [2021], Information technology

INCITS/ISO/IEC 8632-3:1999 [S2020], Information


INCITS/ISO/IEC 8630-3-1987 [S2012], Information


INCITS/ISO/IEC 8630-3-1987 [S2012], Information


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

INCITS/ISO/IEC 8632-4-1999 [R2005])

INCITS/ISO/IEC 8630-2-1987 [S2012], Information

INCITS/ISO/IEC 8632-2-1987 [S2012], Information


INCITS/ISO/IEC 8824-3:2021 [2021], Information technology

INCITS/ISO/IEC 8825-1:2021 [2021], Information technology

INCITS/ISO/IEC 8825-3:2021 [2021], Information technology

INCITS/ISO/IEC 8825-5:2021 [2021], Information technology

INCITS/ISO/IEC 8825-7:2021 [2021], Information technology


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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


ITSDF (Industrial Truck Standards Development Foundation, Inc.)
7150 K Street NW, Suite 460, Washington, DC  20006 | w: www.indtrk.org


- 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


Approved American National Standards

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


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


MHI (Material Handling Industry)


MHI (Material Handling Industry)
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | w: www.mhi.org


MHI (ASC MHC) (Material Handling Industry)
8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | w: www.mhi.org


MSS (Manufacturers Standardization Society)
1800 Diagonal Road, Suite 603, Alexandria, VA 22314 | w: www.mss-hq.org


Approved American National Standards

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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-02-2019, Sustainability Assessment of Laminate Flooring *(revision of ANSI/NALFA LF-02-2010)*
- ANSI/NALFA LF-03-2019, Flooring Underlayment Specifications and Test Methods *(new standard)*

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

- ANSI/NASBLA 100-2022, Basic Boating Knowledge - Core *(new standard)*
  PINS: Jul 12, 2019 | Public Review: May 7, 2021 | Final Action: Feb 10, 2022 Approved
- ANSI/NASBLA 103-2022, Basic Boating Knowledge - Plus Power *(revision of ANSI/NASBLA 103-2016)*
  PINS: Jul 12, 2019 | Public Review: May 7, 2021 | Final Action: Feb 10, 2022 Approved
  PINS: Jul 12, 2019 | Public Review: May 7, 2021 | Final Action: Feb 10, 2022 Approved

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

- ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity *(new standard)*
- ANSI/NASPO SD 01-2014, Minimum security requirements for security documents *(new standard)*
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


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


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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


NEMA IM 60003-2023, Electrical Insulating Varnish (new standard) PINS: Jan 6, 2023 | Public Review: Sep 1, 2023 | Final Action: Oct 20, 2023 Approved
NEMA (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Arlington, 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 Conductors 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

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


NEMA (ASC C12) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA 22209 | w: www.nema.org


- ANSI C12.11-2006 (R2019), Instrument Transformers for Revenue Metering 10kV BIL through 350 kV BIL (0.6 kV NSV through 69 kV NSV) (reaffirmation of ANSI C12.11-2006) Public Review: Jul 26, 2019 | Final Action: Sep 23, 2019 Approved


NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209 | w: www.nema.org


- 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


NEMA (ASC C136) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209 | w: www.nema.org

- 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/C137.6-2021, For Lighting Systems - Data Tagging Vocabulary (Semantic Model Elements) for Interoperability (new standard) PINS: Jul 12, 2019 | Public Review: Dec 4, 2020 | Final Action: Apr 27, 2021 Approved
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 C50) (National Electrical Manufacturers Association)

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


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 C78.1431-1997 (S2022), For Electric Lamps—Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY 5.3 Bases (stabilized maintenance of ANSI C78.1431-1997 (R2016)) Public Review: Jul 9, 2021 | Final Action: Jul 18, 2022 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 C78.1402-2004 (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 C78.1432-1997 (S2018), Standard for Electric Lamps--Tungsten-Halogen Lamps with GZ9.5 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 C78.1434-2001 (S2018), Standard Electric Lamps Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases (stabilized maintenance of ANSI C78.1434-2001 (R2011)) Public Review: Feb 9, 2018 | Final Action: Jun 8, 2018 Approved

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

- 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 C78.1501-2016 (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 C78.40-2016 (R2022), For Electric Lamps: Specifications for Mercury Lamps (reaffirmation of ANSI C78.40-2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved

ANSI C78.42-2009 (S2022), For Electric Lamps—High-Pressure Sodium Lamps (stabilized maintenance of ANSI C78.42-2009 (R2016)) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved

ANSI C78.44-2016 (R2022), For Electric Lamps: Double-Ended Metal Halide Lamps (reaffirmation of ANSI C78.44 -2016) Public Review: Jul 9, 2021 | Final Action: Apr 12, 2022 Approved

ANSI C78.5-2017 (R2022), Standard For Electric Lamps - Specifications for Performance of Self-ballasted Compact Fluorescent Lamps (reaffirmation of ANSI C78.5-2017) Public Review: Apr 22, 2022 | Final Action: Jun 16, 2022 Approved

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 C78.391-2004 (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

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


NEMA (ASC C78) (National Electrical Manufacturers Association)

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


- 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 C78.62035-2016 (R2022), For Electric Lamps— Discharge Lamps (Excluding Fluorescent Lamps)—Safety Specifications (reaffirmation of ANSI C78.62035-2016) Public Review: Jul 9, 2021 | Final Action: Apr 19, 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


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


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• ANSI NEMA HP 4-2021, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types K (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 Silicone 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), ZHDH (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

• ANSI NEMA WC 55021-2021, Standard for Military Internal Electrical Cable (revision of ANSI/NEMA WC 55021-2013) PINS: May 24, 2019 | Public Review: May 7, 2021 | Final Action: Jul 6, 2021 Approved


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


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


NEMA (ASC C82) (National Electrical Manufacturers Association)
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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
- 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 C82.4-2017 (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
NEMA (ASC C82) (National Electrical Manufacturers Association)
1300 N 17th St, Rosslyn, VA  22209 | w: www.nema.org


- ANSI C82.9-2016 (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


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


NEMA (ASC W1) (National Electrical Manufacturers Association)

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


NEMA (ASC Z535) (National Electrical Manufacturers Association)

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


- ANSI Z535.5-2022, Safety Tags and Barricade Tapes (for Temporary Hazards) (revision of ANSI Z535.5-2011 (R2017)) PINS: Mar 5, 2021 | Public Review: Mar 25, 2022 | Final Action: Jun 2, 2022 Approved

NENA (National Emergency Number Association)

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


- ANSI/NENA STA-026.5-2016 (R2022), NENA PSAP Master Clock Standard (reaffirmation of ANSI/NENA STA-026.5 -2016) Public Review: Dec 31, 2021 | Final Action: Feb 28, 2022 Approved


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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


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


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

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


- ANSI/NFRC 100-2023 (EOA0), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100 -2020 (EOA2)) Public Review: May 5, 2023 | Final Action: Jun 29, 2023 Approved


NFRC (National Fenestration Rating Council)
6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | w: www.nfrc.org


- ANSI/NFRC 100-2023 (EOA0), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100 -2020 (EOA2)) Public Review: May 5, 2023 | Final Action: Jun 29, 2023 Approved


ANSI/NFRC 400-2023 E0A0, Procedure for Determining Fenestration Product Air Leakage (revision and redesignation of ANSI/NFRC 400-2020 (EA01)) Public Review: Dec 30, 2022 | Final Action: Mar 6, 2023 Approved

ANSI/NFRC 500-2023 E0A0, Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2020 (EA01)) Public Review: May 5, 2023 | Final Action: Jun 29, 2023 Approved

NICA (National Infusion Center Association)
3307 Northland Drive, Suite 160, Austin, TX  78731 | w: https://infusioncenter.org/


NIKMA (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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NISO (National Information Standards Organization)
3600 Clipper Mill Road, Suite 302, Baltimore, MD  21211 | w: www.niso.org


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
Approved American National Standards


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


ANSI/NSF 2-2018 (i29r1), NSF 2 - Food Equipment (revision of ANSI/NSF 2-2016) Public Review: May 3, 2018 Approved


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

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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 350-2023 (i30r2), Personal Care Products
Containing Organic Ingredients (revision of ANSI/NSF 305
-2016) Public Review: Nov 25, 2022 | Final Action: Mar 1,
2023 Approved

ANSI/NSF 321-2010 (R2016), Goldenseal Root (Hydrastis
Review: Mar 18, 2016 | Final Action: Oct 6, 2016 Approved

ANSI/NSF 330-2015 (i7r4), Glossary of Drinking Water
Treatment Unit Terminology (revision of ANSI/NSF 330
-2013, BSR/NSF 330-201x (i7r3)) Public Review: Apr 17,
2015 | Final Action: May 17, 2015 Approved

ANSI/NSF 330-2018 (i9r1), NSF/ANSI 330-Glossary of
Drinking Water Treatment Unit Terminology (revision of
Action: Jan 25, 2018 Approved

ANSI/NSF 332-2015 (i8r1), Sustainability Assessment for
Resilient Floor Coverings (revision of ANSI/NSF 332-2012)
Approved

ANSI/NSF 332-2019 (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 332-2022 (i11r1), Sustainability Assessment for
Resilient Floor Coverings (revision of ANSI/NSF 332-2015)
Public Review: Aug 5, 2022 | Final Action: Sep 4, 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


Approved American National Standards


ANSI/NSF 360-2014 (i6r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 360-2014) Public Review: Jun 17, 2016 | Final Action: Jul 22, 2016 Approved

ANSI/NSF 36-2016 (i8r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 36-2014) Public Review: Jun 17, 2016 | Final Action: Jul 28, 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 401-2017 (i8r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2016) Public Review: May 12, 2017 | Final Action: Jun 13, 2017 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


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 401-2023 (i30r3), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2022) Public Review: Sep 1, 2023 | Final Action: Oct 17, 2023 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 (i31r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2021) Public Review: Dec 16, 2022 | Final Action: Jan 30, 2023 Approved


ANSI/NSF 419-2015 (i1r3), Sustainability Assessment for Water Treatment Systems (new standard) PINS: Dec 16, 2012 | Final Action: Jan 30, 2013 Approved


ANSI/NSF 42-2023 (i12r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2021) Public Review: Dec 9, 2022 | Final Action: Jan 8, 2023 Approved


ANSI/NSF 44-2014 (i35), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2012 (i34)) Public Review: May 9, 2014 | Final Action: Oct 16, 2014 Approved


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


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- ANSI/NSF 455-4-2018 (i2r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018) Public Review: Sep 30, 2018 Approved
- ANSI/NSF 455-4-2018 (i4r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018) Public Review: Sep 30, 2018 Approved
- ANSI/NSF 455-4-2018 (i6r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018) Public Review: Sep 30, 2018 Approved
- 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 455-4-2022 (i32r1), 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 (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


ANSI/NSF 455-4-2021 (i40r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020) Public Review: Jun 4, 2021 | Final Action: Jul 6, 2021 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


Approved American National Standards


ANSI/NSF 5-2016 (i5r3), Water heaters, hot water supply boilers, and heat recovery equipment (revision of ANSI/NSF 5-2012) Public Review: Dec 4, 2015 | Final Action: Jan 26, 2016 Approved


Approved American National Standards

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


ANSI/NSF 53-2021 (i128r1), Drinking Water Treatment Units

ANSI/NSF 53-2021 (i131r1), Drinking Water Treatment Units

ANSI/NSF 53-2021 (i135r1), Drinking Water Treatment Units

ANSI/NSF 53-2021 (i137r1), Drinking Water Treatment Units

ANSI/NSF 53-2021 (i139r2), Drinking Water Treatment Units


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

- ANSI/NSF 7-2016 (i5r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014) Public Review: Jan 22, 2016 | Final Action: Jul 7, 2016 Approved
- ANSI/NSF 7-2016 (i10r5), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014) Public Review: Jul 1, 2016 | Final Action: Jul 31, 2016 Approved
- ANSI/NSF 7-2016 (i9r1), Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014) Public Review: Feb 19, 2016 | Final Action: May 6, 2016 Approved
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NSF (NSF International)

789 N. Dixboro Road, Ann Arbor, MI 48105-9723 | w: www.nsf.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


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


PEARL (Professional Electrical Apparatus Reconditioning League)

17 Faulkner Drive, Niantic, CT 06357 | w: www.pearl1.org


PGMA (Portable Generator Manufacturers Association)

1300 Summer Avenue, Cleveland, OH 44115-2851 | w: www.pgmaonline.com


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


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


**PLATO (Portable Lights American Trade Organization)**
2279 Gordon Avenue, St. Paul, MN 55108 | w: www.plato-usa.org


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PMI (Organization) (Project Management Institute)
18 Campus Boulevard, Suite 150, Newtown Square, PA  19073 | w: www.pmi.org


PMMI (Organization) (PMMI - The Association for Packaging and Processing Technologies)
12930 Worldgate Dr, Suite 200, Herndon, VA  20170-6037 | w: www.pmmi.org


PRCA (Professional Ropes Course Association)
6260 East Riverside Boulevard #104, Rockford, IL  61114 | w: www.prcainfo.org


PSAI (Portable Sanitation Association International)
1000 Westgate Drive, Suite 252, Saint Paul, MN  55114 | w: www.psai.org


RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)
2001 K Street, NW, 3rd Floor North, Washington, DC  20006 | w: www.resna.org

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.reman council.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


- RVIA TSIC-1-2018 (R2023), Recommended Practice Process Controls for Assembly of Wheels on Trailers \(\text{(reaffirmation of ANSI/RVIA TSIC-1-2018)}\) PINS: Feb 11, 2022 | Public Review: Jun 10, 2022 | Final Action: Jan 26, 2023 Approved
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

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


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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Public Review: Aug 26, 2022 | Final Action: Nov 14, 2022
Approved

Public Review: Aug 26, 2022 | Final Action: Nov 14, 2022
Approved

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ANSI/SCTE 86-2021, SCTE Recommended Optical Fiber Cable Types for Outside Plant Trunk and Distribution Applications (new standard)
Approved

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


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)

8455 Colesville Road, Suite 1200, 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


SPRI (Single Ply Roofing Industry)

465 Waverley Oaks Road, Suite 421, Waltham, MA  02452 | w: www.spri.org

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SPRI (Single Ply Roofing Industry)
465 Waverley Oaks Road, Suite 421, Waltham, MA 02452 | w: www.spri.org


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


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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

- ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods (revision of ANSI/TAPPI T 1008 sp-2010) 
- 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, R0; 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 271 om-2012 (R2023), Fiber length of pulp and paper (MasterScreen-type instrument) (revision of ANSI/TAPPI T 271 om-2012 (R2018)) PINS: May 27, 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

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


ANSI/TAPPI T 547 om-2012 (R2023), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012 (R2018)) PINS: Mar 18, 2022 | Public Review: Apr 7, 2023 | Final Action: Jun 12, 2023 Approved


ANSI/TAPPI T 566 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


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 455-231-2015, FOTP-231 IEC 61315 – Calibration of Fibre-Optic Power Meters  

ANSI/TIA 455-244-A-2020, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling  

ANSI/TIA 455-38-B-2009 (R2014), Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Optic components  


- **ANSI/TIA 455-80-D-2020, FOTP-80 IEC-60793-1-44**
  Measurement Methods and Test Procedures - Cut-off Wavelength *(identical national adoption of IEC-60793-1-44)*


- **ANSI/TIA 455-C-2014, Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and Other Fiber Optic Components (new standard)**


- **ANSI/TIA 470.130-C-2008 (R2016), Telecommunications - Telephone Terminal Equipment - Headset Acoustic Performance Requirements for Analog Telephones with Headsets (reaffirmation of ANSI/TIA 470.130-C-2008)**


  PINS: Dec 23, 2022 | Public Review: Feb 17, 2023 | Final Action: Jul 6, 2023 Approved

- **ANSI/TIA 455-82-C-2020, FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (new standard)**

- **ANSI/TIA 455-95-B-2019, Absolute Optical Power Test for Optical Fibers and Cables (new standard)**

- **ANSI/TIA 470.000-E-2014, Telecommunications - Telephone Terminal Equipment - Overview of Performance Standards for Analog Telephones (new standard)**

- **ANSI/TIA 470.120-D-2017, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Analog Speakerphones (revision and redesignation of ANSI/TIA 470.120-C-2011)**

- **ANSI/TIA 470.140-2018, Acoustic echo control requirements for analog telephones (new standard)**
  PINS: Jul 28, 2017 | Public Review: Jun 8, 2018 | Final Action: Sep 20, 2018 Approved

  Public Review: Apr 8, 2016 | Final Action: Jun 17, 2016 Approved


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TIA (Telecommunications Industry Association)

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


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TIA (Telecommunications Industry Association)

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


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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


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


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


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UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

3020 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org


ULSE (UL Standards & Engagement)

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


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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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<td>Standard for Butterfly Valves for Fire-Protection Service</td>
<td>2022</td>
<td>May 1, 2020</td>
<td>Mar 14, 2022</td>
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<td>UL 10C-2016</td>
<td>Standard for Positive Pressure Fire Tests of Door Assemblies</td>
<td>2016</td>
<td>Feb 12, 2021</td>
<td>May 27, 2021</td>
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- UL 1242-2018, Standard for Safety for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2014)
  Public Review: May 11, 2018 | Final Action: Jun 25, 2018 Approved

- UL 1242-2022, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2020)
  Public Review: Mar 4, 2022 | Final Action: Apr 18, 2022 Approved

  Public Review: Mar 20, 2020 | Final Action: Jun 1, 2020 Approved

- UL 1247-2023, Standard for Diesel Engines for Driving Stationary Fire Pumps (revision of ANSI/UL 1247-2020)
  Public Review: Jul 21, 2023 | Final Action: Nov 2, 2023 Approved

  Public Review: Oct 20, 2017 | Final Action: Jan 11, 2018 Approved

  Public Review: Jan 8, 2021 | Final Action: Aug 26, 2021 Approved

- UL 1256-2023, Standard for Fire Test of Roof Deck Constructions (revision of ANSI/UL 1256-2013 (R2018))

  Public Review: Nov 29, 2019 | Final Action: Jan 8, 2020 Approved


- UL 1277-2021a, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2021)
  Public Review: May 7, 2021 | Final Action: Jul 8, 2021 Approved

- UL 1277-2023, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2022)
  Public Review: Aug 4, 2023 | Final Action: Nov 27, 2023 Approved

- UL 1278-2017a, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2016)

- UL 1242-2020, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2018)


  Public Review: Jun 12, 2020 | Final Action: Aug 12, 2020 Approved


- UL 125-2020, Flow Control Valves for Anhydrous Ammonia and LP-Gas (revision of ANSI/UL 125-2018)
  Public Review: Jan 24, 2020 | Final Action: Jul 6, 2020 Approved

- UL 1254-2020 (R2022), Standard for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (December 3, 2021) (revision of ANSI/UL 1254-2020)
  Public Review: Dec 3, 2021 | Final Action: Feb 9, 2022 Approved

  Public Review: Jul 8, 2022 | Final Action: Aug 24, 2022 Approved

- UL 1275-2021, Standard for Safety for Flammable Liquid Storage Cabinets (revision of ANSI/UL 1275-2010 (R2014))
  Public Review: May 7, 2021 | Final Action: Aug 26, 2021 Approved

  Public Review: Jan 22, 2021 | Final Action: Apr 12, 2021 Approved

- UL 1277-2022, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2021)
  Public Review: Sep 9, 2022 | Final Action: Oct 13, 2022 Approved

  Public Review: Jun 9, 2017 | Final Action: Sep 14, 2017 Approved

  Public Review: Jun 29, 2018 | Final Action: Aug 20, 2018 Approved


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


UL 1439-2021, Standard for Tests for Sharpness of Edges on Equipment (revision of ANSI/UL 1439-2013 (R2018))
Public Review: Feb 26, 2021 | Final Action: Apr 21, 2021 Approved

| Final Action: Jan 22, 2021 Approved

UL 1441-2021, Standard for Coated Electrical Sleeveing (revision of ANSI/UL 1441-2005 (R2018)) Public Review:
Nov 27, 2020 | Final Action: Jun 21, 2021 Approved

UL 1446-2016, Standard for Safety for Systems of Insulating Materials - General (Proposal dated 12-11-15) (revision of

Review: Jun 16, 2017 | Final Action: Jul 18, 2017 Approved


UL 1453-2017, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (revision of


May 20, 2016 | Final Action: Jul 7, 2016 Approved

Mar 5, 2021 | Final Action: Apr 9, 2021 Approved

| Final Action: Dec 10, 2019 Approved


UL 1453-2017a, Standard for Safety for Electric Booster and Commercial Storage Tank Water Heaters (revision of


Aug 23, 2019 | Final Action: Oct 29, 2019 Approved

Apr 28, 2017 | Final Action: Nov 10, 2017 Approved


UL 1676-2013 (R2022), Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013) Public Review: May 6, 2022 | Final Action: Aug 1, 2022 Approved


UL 1666-2012 (R2021), Standard for Safety for Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts (reaffirmation of ANSI/UL 1666-2012 (R2017)) Public Review: Jul 9, 2021 | Final Action: Sep 24, 2021 Approved


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 orNoncombustible 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


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 2442-2023a, Standard for Wall- and Ceiling-Mounts and Accessories (revision of ANSI/UL 2442-2023) Public Review: May 12, 2023 | Final Action: Jul 20, 2023 Approved


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


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


UL 3030-2018, Standard for Safety for Unmanned Aircraft Systems

UL 305-2012 (R2022), Standard for Panic Hardware
(reaffirmation of ANSI/UL 305-2012 (R2017)) Public Review: Jan 7, 2022 | Final Action: Mar 16, 2022 Approved

UL 310-2014 (R2019), Standard for Safety for Electrical Quick-Connect Terminals

UL 3100-2023, Standard for Safety for Automated Mobile Platforms (AMPS)

UL 312-2022, Standard for Check Valves for Fire-Protection Service (February 4, 2022)

UL 325-2019, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems

UL 325-2020, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems

UL 33-2021, Standard for Heat Responsive Links for Fire-Protection Service
(revision of ANSI/UL 33-2010 (R2020)) Public Review: Feb 5, 2021 | Final Action: Jun 21, 2021 Approved

UL 330-2017, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

UL 330-2019, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

UL 330A-2019, Standard for Safety for Hose and Hose Assemblies for Use with Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)

UL 3030-2018a, Standard for Safety for Unmanned Aircraft Systems
(new standard) PINS: Mar 11, 2016 | Public Review: May 18, 2018 | Final Action: Sep 18, 2018 Approved

UL 307A-1997 (R2018), Standard for Safety for Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles

UL 310-2023, Standard for Safety for Electrical Quick-Connect Terminals
(revision of ANSI/UL 310-2014 (R2019)) Public Review: Jul 14, 2023 | Final Action: Nov 30, 2023 Approved

UL 32-2014 (R2019), Standard for Safety for Metal Waste Cans

UL 325-2019a, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems

UL 325-2023, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems

UL 33-2022, Standard for Heat Responsive Links for Fire-Protection Service (August 5, 2022)

UL 330-2018, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

UL 330-2021, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids

UL 330A-2020, Standard for Safety for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)


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 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 4248-4-2007 (R2023), Standard for Safety for Fuseholders - Part 4; Class CC (reaffirmation of ANSI/UL 4248-4-2007 (R2018)) Public Review: Apr 7, 2023 | Final Action: May 25, 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 448C-2023, Standard for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service (revision of ANSI/UL 448C-2014 (R2018)) Public Review: Oct 21, 2022 | Final Action: Jan 4, 2023 Approved


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


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

The data in this document is reported as of Monday, December 4, 2023


UL 541-2016, Refrigerated Vending Machines (revision of ANSI/UL 541-2014) Public Review: Feb 12, 2016 | Final Action: Apr 21, 2016 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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- UL 60730-2-6-2021, Standard for Automatic electrical controls – Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (national adoption of IEC 60730-2-6 with modifications and revision of ANSI/UL 60730-2-6-2016)

- UL 60730-2-8-2023, Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements (national adoption of IEC 60730-2-8 with modifications and revision of ANSI/UL 60730-2-8-2017)
  Public Review: Jan 20, 2023 | Final Action: Mar 24, 2023 Approved

  Public Review: Sep 28, 2018 | Final Action: Jan 28, 2019 Approved


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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


UL 60939-3-2017 (R2022), Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (reaffirm a national adoption ANSI/UL 60939-3-2017) Public Review: May 13, 2022 | Final Action: Jul 25, 2022 Approved


UL 61058-2-6-2020, Standard for Switches for appliances - Part 2-6: Particular requirements for switches used in electric motor operated hand-held tools, transportable tools and lawn and garden machinery (national adoption with modifications of IEC 61058-2-6) PINS: Mar 29, 2019 | Public Review: Jun 21, 2019 | Final Action: Mar 31, 2020 Approved


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 61215-1-4-2018) Public Review: May 21, 2021 | Final Action: Jul 7, 2021 Approved


UL 61215-1-3-2023, 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 61215-1-3-2021) Public Review: Sep 15, 2023 | Final Action: Oct 19, 2023 Approved


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Adoption of IEC 62841-3-10

Transportable Cut-Off Machines


UL 62841-3-4-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-4: Particular Requirements For Transportable Bench Grinders (identical national adoption of IEC 62841-3-4 and revision of ANSI/UL 62841-3-4-2016) Public Review: Apr 13, 2018 | Final Action: Jun 22, 2018 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 26, 2022 | Public Review: Jan 6, 2023 | Final Action: May 26, 2023 Approved


UL 62841-4-3-2023, UL Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety – Part 4-3: Particular Requirements For Pedestrian Controlled Walk-Behind Lawnmowers (national adoption with modifications of IEC 62841-3-4) PINS: Apr 26, 2019 | Public Review: Mar 17, 2023 | Final Action: Jun 23, 2023 Approved

UL 62841-4-4-2023, UL Standard for Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-4: 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 Approved


UL 6420-2023, Standard for Equipment Used for System Isolation and Rated as a Single Unit (revision of ANSI/UL 6420-2012) Public Review: May 12, 2023 | Final Action: Jul 14, 2023 Approved


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- 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


UL 719-2023a, Nonmetallic-Sheathed Cable (revision of ANSI/UL 719-2023) Public Review: Aug 25, 2023 | Final Action: Nov 7, 2023 Approved


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  Public Review: Jun 23, 2023 | Final Action: Nov 10, 2023 Approved


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UL 798-2018a, Standard for Safety for Indicator Posts for Fire-Protection Service (revision of ANSI/UL 798-2003 (R2017))
Public Review: Jul 13, 2018 | Final Action: Sep 4, 2018 Approved


UL 797-2021, Standard for Electrical Metallic Tubing - Steel (revision of ANSI/UL 797-2012 (R2017)) Public Review: Jul 24, 2020 | Final Action: Mar 30, 2021 Approved


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


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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


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


- 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


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WCMA (Window Covering Manufacturers Association)
355 Lexington Avenue, 15th Floor, New York, NY  10017-6603 | w: www.wcmanet.org


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


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WMMA (ASC O1) (Wood Machinery Manufacturers of America)
2331 Rock Spring Road, Forest Hill, MD  21050 | w: www.wmma.org


- ANSI/Wamma O1.1-3-2014 (R2022), Safety Requirements for CNC Machining Centers for the Woodworking Industry *(reaffirmation of ANSI/Wamma 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