The data in this document is reported as of Tuesday, February 22, 2022

Listed below are Approved American National Standards (ANS) as of 2/22/2022. Additional information about these Approved ANS has been published in ANSI's Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI's Standards Action in (PDF) format are available at [www.ansi.org/standardsaction](http://www.ansi.org/standardsaction). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer.

Some approved ANS are available for purchase at [http://webstore.ansi.org/](http://webstore.ansi.org/).

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

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<td>Listed below are Approved American National Standards (ANS) as of 2/22/2022. Additional information about these Approved ANS has been published in ANSI's Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI's Standards Action in (PDF) format are available at <a href="http://www.ansi.org/standardsaction">www.ansi.org/standardsaction</a>. Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer. Some approved ANS are available for purchase at <a href="http://webstore.ansi.org/">http://webstore.ansi.org/</a>. The procedures that govern the ANS process are called the &quot;ANSI Essential Requirements: Due process requirements for American National Standards&quot; ANSI Essential Requirements. A list of all ASDs is available at <a href="http://www.ansi.org/asd">www.ansi.org/asd</a>. Questions concerning the ANS process may be directed to <a href="mailto:psa@ansi.org">psa@ansi.org</a>.</td>
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<td>6888 Elm Street, Suite 2D, McLean, VA 22101-3829</td>
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<td>ANSI/3A 00-01-2018, 3-A Sanitary Standard for General Requirements</td>
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<td><strong>A3 (Association for Advancing Automation)</strong></td>
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<td>900 Victors Way, Suite 140, Ann Arbor, MI 48108-5210</td>
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<td>ANSI/RIA R15.08-1-2020, Industrial Mobile Robots -- Safety Requirements -- Part 1: Requirements for the IndustrialMobile Robot</td>
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<td>ANSI H35.4-2017, Standard Designation System for Unalloyed Aluminum</td>
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AABC (Associated Air Balance Council)
2401 Pennsylvania Ave NW, Suite 330, Washington, DC  20037 | w: www.aabc.com

  PINS Date: Dec 28, 2012 | Public Review Date: Jun 26, 2015 | Final Action Date: Dec 4, 2015 | Approved

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

- ANSI/AAFS ASB BPR 052-2022, Best Practice Recommendation for the Detection and Collection of Footwear and Tire Impression Evidence  (new standard)
  PINS Date: Nov 1, 2019 | Public Review Date: Feb 19, 2021 | Final Action Date: Feb 4, 2022 | Approved

- ANSI/AAFS ASB Std 111-2020, Standard for Training in Mitochondrial DNA (mtDNA) Analysis for Taxonomic Identification  (new standard)
  PINS Date: Feb 8, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Jun 22, 2020 | Approved

- ANSI/ASB Best Practice Recommendation 010-2018, Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority  (new standard)
  PINS Date: Oct 14, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Oct 4, 2018 | Approved

- ANSI/ASB BPR 008-2021, Mass Fatality Scene Processing: Best Practice Recommendations for the Medicolegal Authority  (new standard)
  PINS Date: Oct 14, 2016 | Public Review Date: Feb 5, 2021 | Final Action Date: Aug 27, 2021 | Approved

- ANSI/ASB BPR 021-2019, Best Practices for the Preparation of Test Impressions from Footwear and Tires  (new standard)
  PINS Date: Feb 10, 2017 | Public Review Date: Nov 9, 2018 | Final Action Date: Sep 16, 2019 | Approved

- ANSI/ASB BPR 049-2020, Best Practice Recommendation for Lifting of Footwear and Tire Impression Evidence  (new standard)
  PINS Date: Jun 21, 2019 | Public Review Date: Apr 30, 2021 | Final Action Date: Dec 15, 2021 | Approved

- ANSI/ASB BPR 050-2021, Best Practice Recommendation for Photographic Documentation of Footwear and Tire Impression Evidence  (new standard)
  PINS Date: Jun 21, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Aug 5, 2021 | Approved

- ANSI/ASB BPR 060-2021, Guidelines for Barrel and Overall Length Measurements for Firearms  (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Mar 20, 2020 | Final Action Date: Dec 15, 2021 | Approved

- ANSI/ASB BPR 068-2020, Safe Handling of Firearms and Ammunition  (new standard)
  PINS Date: May 25, 2018 | Public Review Date: May 24, 2019 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/ASB BPR 089-2020, Best Practice Recommendation for Facial Approximation in Forensic Anthropology  (new standard)
  PINS Date: Nov 2, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ASB BPR 094-2021, Postmortem Impression Recovery: Guidance and Best Practices for Disaster Victim Identification  (new standard)
  PINS Date: Aug 3, 2018 | Public Review Date: May 29, 2020 | Final Action Date: Jul 26, 2021 | Approved

- ANSI/ASB BPR 108-2021, Forensic Odontology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority  (new standard)
  PINS Date: Oct 19, 2018 | Public Review Date: Jan 8, 2021 | Final Action Date: Dec 9, 2021 | Approved
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AAMI (Association for the Advancement of Medical Instrumentation)

901 N. Glebe Road, Suite 300, Arlington, VA  22203 | w: www.aami.org

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<th>Standard Number</th>
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<td>Medical Devices and Medical Systems — Essential safety requirements for equipment comprising the patient-centric integrated clinical environment (ICE) — Part 1: General requirements and conceptual model (new standard)</td>
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<td>Medical Devices and Medical Systems — Essential safety and performance requirements for equipment comprising the patient-centric integrated clinical environment (ICE): Part 2-1: Particular requirements or forensic Data logging (new standard)</td>
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<td>Aug 23, 2019</td>
<td>Jun 26, 2020</td>
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## Approved American National Standards

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<td>ANSI/AAMI EQ56-2013</td>
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<td>Medical equipment management - Vocabulary used in medical equipment programs</td>
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<td>ANSI/AAMI PC76-2021</td>
<td>Active implantable medical devices – Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging (new standard)</td>
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<td>ANSI/AAMI RD47-2020</td>
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<td>Public Review Date: Nov 18, 2016</td>
<td>Final Action Date: Jan 12, 2018</td>
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<td>Public Review Date: Sep 8, 2017</td>
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<td>ANSI/AAMI ST55-2016, Table-top steam sterilizers  (revision of ANSI/AAMI ST55-2010 (R2014))</td>
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<td>ANSI/AAMI ST58-2018, Chemical sterilization and high-level disinfection in health care facilities  (reaffirmation of ANSI/AAMI ST58-2013)</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

- ANSI/AAMI ST90-2017, Processing of health care products - Quality management systems for processing in health care facilities (new standard)
  PINS Date: Jul 13, 2012 | Public Review Date: Mar 17, 2017 | Final Action Date: Jul 18, 2017 | Approved

- ANSI/AAMI ST91-2021, Flexible and semi-rigid endoscope processing in healthcare facilities (revision of ANSI/AAMI ST91-2015)
  PINS Date: Nov 18, 2016 | Public Review Date: Jun 11, 2021 | Final Action Date: Dec 21, 2021 | Approved

- ANSI/AAMI SW91-2018, Classification of Defects in Health Software (new standard)
  PINS Date: Aug 17, 2012 | Public Review Date: Mar 30, 2018 | Final Action Date: Oct 22, 2018 | Approved

- ANSI/AAMI/IEC 60601-1-12-2016, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (identical national adoption of IEC 60601-1-12:2014)
  PINS Date: Jan 15, 2016 | Public Review Date: Mar 11, 2016 | Final Action Date: Oct 6, 2016 | Approved

- ANSI/AAMI/IEC 60601-1-12-2016/A1-2021, Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance – Collateral standard: Requirements for ME equipment and ME systems used in the emergency medical services environment, Amendment 1 (addenda to ANSI/AAMI/IEC 60601-1-12-2016)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 1, 2022 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 23, 2020 | Approved

  PINS Date: Mar 11, 2011 | Public Review Date: Feb 18, 2011 | Final Action Date: Sep 5, 2012 | Approved

  Public Review Date: Apr 18, 2014 | Final Action Date: Dec 16, 2014 | Approved

  PINS Date: Aug 28, 2015 | Public Review Date: Sep 23, 2016 | Final Action Date: Nov 10, 2016 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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  Public Review Date: Nov 11, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 23, 2020 | Approved

- ANSI/AAMI/IEC 60601-2-4-2010 (R2015), Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators (reaffirm a national adoption ANSI/AAMI/IEC 60601-2-4-2010)
  Public Review Date: Sep 4, 2015 | Final Action Date: Dec 30, 2015 | Approved

  PINS Date: Jul 1, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Jan 11, 2019 | Approved

  Public Review Date: Nov 11, 2016 | Final Action Date: Jan 6, 2017 | Approved
ANNI (Association for the Advancement of Medical Instrumentation)

  Public Review Date: Apr 18, 2014 | Final Action Date: Dec 16, 2014 | Approved

  PINS Date: Aug 28, 2015 | Public Review Date: Sep 23, 2016 | Final Action Date: Nov 10, 2016 | Approved

- ANSI/AAMI/IEC 62304-2006/Amd 1-2016, Medical device software - Software life cycle processes, Amendment 1 (identical national adoption of IEC 62304:2006/Amd 1)
  PINS Date: Jul 17, 2015 | Public Review Date: Sep 4, 2015 | Final Action Date: Apr 7, 2016 | Approved

  Public Review Date: Aug 7, 2020 | Final Action Date: Dec 14, 2021 | Approved

  PINS Date: Aug 25, 2017 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI/AAMI/IEC 80001-1-2010, Application of risk management for IT Networks incorporating medical devices - Part 1: Roles, responsibilities and activities (identical national adoption of IEC 80001-1)
  PINS Date: Aug 7, 2009 | Public Review Date: Aug 21, 2009 | Final Action Date: Oct 6, 2010 | Approved

  PINS Date: May 18, 2007 | Public Review Date: Nov 30, 2007 | Final Action Date: Jul 24, 2009 | Approved

  Public Review Date: Sep 4, 2015 | Final Action Date: Jan 10, 2017 | Approved

  PINS Date: Oct 30, 2009 | Public Review Date: Jul 24, 2009 | Final Action Date: Dec 10, 2009 | Approved

  PINS Date: Apr 15, 2016 | Public Review Date: May 20, 2016 | Final Action Date: Jan 11, 2019 | Approved

  PINS Date: May 24, 2013 | Public Review Date: Jun 21, 2013 | Final Action Date: Sep 10, 2014 | Approved

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  PINS Date: Sep 11, 2015 | Public Review Date: Dec 9, 2016 | Final Action Date: Aug 1, 2017 | Approved

  PINS Date: Sep 11, 2015 | Public Review Date: Dec 9, 2016 | Final Action Date: Aug 1, 2017 | Approved

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  PINS Date: Sep 8, 2017 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 21, 2019 | Approved

  PINS Date: Dec 2, 2011 | Public Review Date: Sep 7, 2012 | Final Action Date: Sep 10, 2014 | Approved

- ANSI/AAMI/ISO 11140-3-2012 (R2015), Sterilization Of Health Care Products - Chemical Indicators - Part 3: Class 2 Indicator Systems For Use In The Bowie And Dick-Type Steam Penetration Test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2007 (R2012))
  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 10, 2015 | Approved

- ANSI/AAMI/ISO 11140-4-2012 (R2015), Sterilization Of Health Care Products - Chemical Indicators - Part 4: Class 2 Indicators As An Alternative To Bowie And Dick Test For Detection Of Steam Penetration (reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2007 (R2012))
  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 10, 2015 | Approved

  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 10, 2015 | Approved

  Public Review Date: Sep 4, 2015 | Final Action Date: Feb 11, 2016 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Dec 28, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: Apr 19, 2013 | Final Action Date: Sep 10, 2014 | Approved

  Public Review Date: Sep 4, 2015 | Final Action Date: Feb 11, 2016 | Approved

  PINS Date: Dec 28, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: Apr 19, 2013 | Final Action Date: Sep 10, 2014 | Approved

- ANSI/AAMI/ISO 11658-2012, Cardiovascular implants and extracorporeal systems - Blood/tissue contact surface modifications for extracorporeal perfusion systems  (identical national adoption of ISO 11658)
  PINS Date: Oct 23, 2009 | Public Review Date: May 6, 2011 | Final Action Date: Aug 20, 2012 | Approved

  PINS Date: May 2, 2014 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 24, 2018 | Approved

  PINS Date: Sep 22, 2017 | Public Review Date: May 10, 2019 | Final Action Date: Dec 16, 2019 | Approved

- ANSI/AAMI/ISO 13022-2012, Medical products containing viable human cells -- Application of risk management and requirements for processing practices  (identical national adoption of ISO 13022)
  PINS Date: May 8, 2009 | Public Review Date: Oct 29, 2010 | Final Action Date: Jun 18, 2012 | Approved

  Public Review Date: Aug 5, 2011 | Final Action Date: Dec 14, 2011 | Approved

  Public Review Date: Nov 25, 2016 | Final Action Date: May 18, 2017 | Approved

  PINS Date: May 2, 2014 | Public Review Date: Mar 31, 2017 | Final Action Date: Feb 1, 2018 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

  Public Review Date: Feb 13, 2015 | Final Action Date: Jul 13, 2015 | Approved

  Public Review Date: Jan 31, 2014 | Final Action Date: Oct 13, 2014 | Approved

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  PINS Date: Sep 23, 2011 | Public Review Date: May 4, 2012 | Final Action Date: Mar 11, 2013 | Approved

  Public Review Date: Aug 4, 2017 | Final Action Date: Aug 17, 2018 | Approved

- ANSI/AAMI/ISO 13485 (Ed.3)-2016 (R2019), Medical devices - Quality management systems - Requirements for regulatory purposes (reaffirm a national adoption ANSI/AAMI/ISO 13485 (Ed.3)-2016)
  Public Review Date: Aug 23, 2019 | Final Action Date: Oct 17, 2019 | Approved

- ANSI/AAMI/ISO 14117-2019, Active implantable medical devices - Electromagnetic compatibility - EMC test protocols for implantable cardiac pacemakers, implantable cardioverter defibrillators, and cardiac resynchronization devices (identical national adoption of ISO 14117 (under development) and revision of ANSI/AAMI/ISO 14117-2012)
  PINS Date: Oct 31, 2014 | Public Review Date: Apr 19, 2019 | Final Action Date: Oct 7, 2019 | Approved

  PINS Date: Aug 30, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Dec 7, 2020 | Approved

  Public Review Date: Aug 28, 2015 | Final Action Date: Nov 17, 2016 | Approved

  Public Review Date: Nov 8, 2013 | Final Action Date: Apr 2, 2014 | Approved

- ANSI/AAMI/ISO 14708-1-2014, Implants for surgery - Active implantable medical devices - Part 1: General requirements for safety, marking and for information to be provided by the manufacturer (identical national adoption of ISO 14708-1:2014)
  PINS Date: Mar 21, 2014 | Public Review Date: May 9, 2014 | Final Action Date: Oct 8, 2014 | Approved

  PINS Date: Oct 28, 2011 | Public Review Date: Aug 28, 2015 | Final Action Date: Mar 2, 2017 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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  PINS Date: Feb 2, 2007 | Public Review Date: Aug 2, 2013 | Final Action Date: Dec 2, 2013 | Approved

  PINS Date: Dec 16, 2016 | Public Review Date: Mar 8, 2019 | Final Action Date: May 10, 2019 | Approved

- ANSI/AAMI/ISO 15223-1:2016, Medical devices - Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements (identical national adoption of ISO/FDIS 15223-1 and revision of ANSI/AAMI/ISO 15223-1-2012)
  PINS Date: Dec 11, 2015 | Public Review Date: Aug 26, 2016 | Final Action Date: Jan 5, 2017 | Approved

- ANSI/AAMI/ISO 15223-2-2016, Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation (reaffirm a national adoption ANSI/AAMI/ISO 15223-2:2010)
  Public Review Date: Oct 23, 2015 | Final Action Date: Apr 7, 2016 | Approved

- ANSI/AAMI/ISO 15674-2016, Cardiovascular implants and artificial organs - Hardshell cardiotomy/venous reservoir systems (with/without filter) and soft venous reservoir bags (identical national adoption of ISO 15674 and revision of ANSI/AAMI/ISO 15674-2009 (R2014))
  Public Review Date: Mar 27, 2015 | Final Action Date: Nov 7, 2016 | Approved

  Public Review Date: Mar 27, 2015 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/AAMI/ISO 15676-2016, Cardiovascular implants and artificial organs - Requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO) (identical national adoption of ISO 15676)
  PINS Date: Apr 10, 2015 | Public Review Date: May 8, 2015 | Final Action Date: Nov 7, 2016 | Approved

  Public Review Date: Jun 28, 2013 | Final Action Date: Oct 4, 2013 | Approved

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  PINS Date: Dec 11, 2015 | Public Review Date: Jul 22, 2016 | Final Action Date: Jul 31, 2017 | Approved

- ANSI/AAMI/ISO 17664-2017, Sterilization of health care products - Information to be provided by the device manufacturer for the processing of medical devices (identical national adoption of ISO 17664)
  PINS Date: May 13, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Aug 18, 2017 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

  
  Public Review Date: Aug 2, 2013 | Final Action Date: Dec 2, 2013 | Approved

- ANSI/AAMI/ISO 18241-2016, Cardiovascular implants and extracorporeal systems - Cardiopulmonary bypass systems - Venous bubble traps (identical national adoption of ISO 18241)
  
  PINS Date: Dec 14, 2012 | Public Review Date: Mar 27, 2015 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/AAMI/ISO 18242-2016, Cardiovascular implants and extracorporeal systems - Centrifugal blood pumps (identical national adoption of ISO 18242)
  
  PINS Date: Dec 14, 2012 | Public Review Date: Mar 27, 2015 | Final Action Date: Nov 7, 2016 | Approved

  
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 7, 2015 | Approved

  
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  PINS Date: Jul 1, 2016 | Public Review Date: Sep 6, 2019 | Final Action Date: Jan 28, 2020 | Approved

  
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  Public Review Date: Mar 27, 2015 | Final Action Date: May 25, 2017 | Approved

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  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 24, 2015 | Approved

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

- ANSI/AAMI/ISO 5840-1-2015, Cardiovascular implants - Cardiac valve prostheses - Part 1: General requirements (identical national adoption of ISO 5840-1)
  Public Review Date: May 9, 2014 | Final Action Date: Nov 16, 2015 | Approved

  PINS Date: Mar 29, 2013 | Public Review Date: May 9, 2014 | Final Action Date: Nov 16, 2015 | Approved

- ANSI/AAMI/ISO 5840-3-2012, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by minimally invasive techniques (identical national adoption of ISO/DIS 5840-3)
  PINS Date: Apr 23, 2010 | Public Review Date: Mar 18, 2011 | Final Action Date: Dec 4, 2012 | Approved

  PINS Date: Aug 20, 2010 | Public Review Date: Aug 15, 2014 | Final Action Date: Aug 2, 2016 | Approved

  Public Review Date: Jan 3, 2014 | Final Action Date: Apr 4, 2014 | Approved

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- ANSI/AAMI/ISO 80369-3-2016, Small-bore connectors for liquids and gases in healthcare applications - Part 3: Connectors for enteral applications (identical national adoption of ISO 80369-3)
  PINS Date: Nov 12, 2010 | Public Review Date: Sep 19, 2014 | Final Action Date: Aug 3, 2016 | Approved
### AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Nov 16, 2018 | Public Review Date: Dec 21, 2018 | Final Action Date: Dec 16, 2019 | Approved

- **ANSI/AAMI/ISO 80369-5-2016, Small-bore connectors for liquids and gases in healthcare application - Part 5: Connectors for limb cuff inflation applications** (identical national adoption of IEC-ISO 80369-5)  
  PINS Date: Nov 12, 2010 | Public Review Date: Feb 7, 2014 | Final Action Date: Jul 1, 2016 | Approved

- **ANSI/AAMI/ISO 80369-6-2016, Small-bore connectors for liquids and gases in healthcare applications -- Part 6: Connectors for neuraxial applications** (identical national adoption of ISO 80369-6)  
  PINS Date: Jun 11, 2010 | Public Review Date: Sep 19, 2014 | Final Action Date: Mar 15, 2016 | Approved

- **ANSI/AAMI/ISO 80369-7-2016, Small-bore connectors for liquids and gases in healthcare applications - Part 7: Connectors with 6% (Luer) taper for intravascular or hypodermic applications** (identical national adoption of ISO 80369-7)  
  PINS Date: Apr 20, 2012 | Public Review Date: Aug 16, 2013 | Final Action Date: Sep 27, 2016 | Approved

  Public Review Date: Nov 2, 2012 | Final Action Date: Jun 26, 2013 | Approved

  PINS Date: Nov 16, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: May 10, 2019 | Approved

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  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 20, 2015 | Approved

  PINS Date: Mar 11, 2016 | Public Review Date: Mar 27, 2020 | Final Action Date: Jul 21, 2020 | Approved

  PINS Date: Apr 15, 2011 | Public Review Date: Mar 9, 2012 | Final Action Date: Jun 26, 2013 | Approved

### AARST (American Association of Radon Scientists and Technologists)

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

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 16, 2016 | Final Action Date: Jan 19, 2017 | Approved
- Public Review Date: May 19, 2017 | Final Action Date: Dec 11, 2017 | Approved

### ANSI/AARST CCAH-2020, Reducing Radon in New Construction of One & Two Family Dwellings and Townhouses (revision of ANSI/AARST CCAH-2013)
- PINS Date: Nov 2, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Feb 7, 2020 | Approved

### ANSI/AARST MAH-2019, Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes (revision of ANSI/AARST MAH-2014)
- Public Review Date: Apr 5, 2019 | Final Action Date: Jun 28, 2019 | Approved

### ANSI/AARST MALB 01-Addenda-2021, Protocol for Conducting Measurements of Radon and Radon Decay Products In Schools and Large Buildings (addenda to ANSI/AARST MALB-2014)
- Public Review Date: Feb 5, 2021 | Final Action Date: Mar 8, 2021 | Approved

### ANSI/AARST MALB-2014, Protocol for Conducting Radon and Radon Decay Product Measurements In Schools and Large Buildings (new standard)
- PINS Date: Mar 2, 2012 | Public Review Date: Jun 20, 2014 | Final Action Date: Dec 5, 2014 | Approved

- Public Review Date: Feb 5, 2021 | Final Action Date: Mar 8, 2021 | Approved

- Public Review Date: Sep 23, 2016 | Final Action Date: Jan 10, 2017 | Approved

### ANSI/AARST MS-PC-2015, Performance Specifications for Instrumentation Systems Designed to Measure Radon Gas in Air (new standard)
- PINS Date: Aug 17, 2007 | Public Review Date: Sep 19, 2014 | Final Action Date: May 26, 2015 | Approved

- Public Review Date: May 21, 2021 | Final Action Date: Jan 7, 2022 | Approved

### ANSI/AARST MS-QA-2019, Radon Measurement Systems Quality Assurance (new standard)
- PINS Date: Apr 24, 2015 | Public Review Date: Jul 20, 2018 | Final Action Date: Jun 28, 2019 | Approved

### ANSI/AARST MW-RN-2020, Protocol for the Collection, Transfer and Measurement of Radon in Water (new standard)
- PINS Date: Mar 24, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

- Public Review Date: Jun 23, 2017 | Final Action Date: Dec 11, 2017 | Approved

- Public Review Date: Oct 9, 2020 | Final Action Date: Nov 12, 2020 | Approved

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- Public Review Date: Oct 9, 2020 | Final Action Date: Nov 12, 2020 | Approved
AARST (American Association of Radon Scientists and Technologists)

  PINS Date: Jan 4, 2019 | Public Review Date: Jul 12, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/AARST SGM-SF-2017, Soil Gas Mitigation Standards for Existing Homes (new standard)
  PINS Date: Apr 18, 2014 | Public Review Date: Jul 15, 2016 | Final Action Date: Jan 12, 2017 | Approved

  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 12, 2020 | Approved

ABMA (American Brush Manufacturers Association)

736 Main Avenue, Suite 7, Durango, CO 81301-5479 | 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)
  PINS Date: Aug 17, 2018 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 11, 2019 | Approved

ABMA (ASC B3) (American Bearing Manufacturers Association)

1001 N. Fairfax Street, Suite 500, Alexandria, VA 22314 | w: www.americanbearings.org

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

  PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 23, 2021 | Approved

- ANSI ABMA ISO 12240-2-AXX-2021, Spherical plain bearings - Part 2: Angular contact radial spherical plain bearings
  (identical national adoption of ISO 12240-2:1998)
  PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 23, 2021 | Approved

- ANSI ABMA ISO 12240-3-AXX-2021, Spherical plain bearings - Part 3: Thrust spherical plain bearings
  (identical national adoption of ISO 12240-3:1998)
  PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 23, 2021 | Approved

- ANSI ABMA ISO 12240-4-AXX-2021, Spherical plain bearings - Part 4: Spherical plain bearing rod ends
  (identical national adoption of ISO 12240-4:1998)
  PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Aug 2, 2021 | Approved

- ANSI ABMA/ISO 15242-4-2018, , Rolling Bearings -- Measuring Methods For Vibration -- Part 4: Radial Cylindrical Roller Bearings With Cylindrical Bore And Outside Surface
  PINS Date: Sep 15, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 27, 2018 | Approved

  (stabilized maintenance of ANSI B3.1-1992 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

  (stabilized maintenance of ANSI B3.2-1992 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI B3.3-1992 (S2020), Rolling Element Bearings - Aircraft Engine, Engine Gearbox, and Accessory Applications - Surface Tempear Etch
  (stabilized maintenance of ANSI B3.3-1992 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved
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ABMA (ASC B3) (American Bearing Manufacturers Association)

  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

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  Public Review Date: Nov 1, 2013 | Final Action Date: Jan 10, 2014 | Approved

ABMSP (American Board of Multiple Specialties in Podiatry)
555 Eighth Avenue, Suite 1902, New York, NY 10018 | w: http://www.abmsp.org

- ANSI/ABMSP SDO 001-2018, Inserts for Diabetic Footwear (new standard)
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved

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

- ANSI/SBCA FS 100-2012 (R2018), Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies (reaffirmation of ANSI/SBCA FS 100-2012)
  Public Review Date: Jun 22, 2018 | Final Action Date: Oct 11, 2018 | Approved
ABYC (American Boat and Yacht Council)

613 Third Street, Suite 10, Annapolis, MD 21403 | w: www.abycinc.org

  PINS Date: Oct 13, 2017 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 15, 2018 | Approved

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- ANSI/ABYC A-28-2019, Galvanic Isolators (new standard)
  PINS Date: Aug 24, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 28, 2019 | Approved

- ANSI/ABYC A-3-2021, Cooking Appliances (revision of ANSI/ABYC A-3-2013)
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- ANSI/ABYC A-4-2018, Fire Fighting Equipment (new standard)
  PINS Date: Oct 24, 2014 | Public Review Date: Mar 2, 2018 | Final Action Date: Jul 18, 2018 | Approved

- ANSI/ABYC A-6-2018, Refrigeration And Air Conditioning Equipment (new standard)
  PINS Date: Oct 20, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/ABYC A-7-2021, Liquid And Solid Fueled Boat Heating Systems (new standard)
  PINS Date: Nov 2, 2012 | Public Review Date: Apr 16, 2021 | Final Action Date: Jul 6, 2021 | Approved
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**ABYC (American Boat and Yacht Council)**

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<td>ANSI/ABYC C-3-2018</td>
<td>Alcohol, Kerosene and Solidified Fuel Cooking Appliances for Marine Use (new standard)</td>
<td>Nov 24, 2017</td>
<td>Apr 20, 2018</td>
<td>Jul 10, 2018</td>
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<td>ANSI/ABYC C-7-2021</td>
<td>Battery Switches For Use On Boats (new standard)</td>
<td>Nov 6, 2020</td>
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#### ANSI/ABYC H-25-2021, Portable And Semi-Portable Marine Gasoline Fuel Systems

- **PINS Date**: Dec 4, 2020  
- **Public Review Date**: May 14, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-26-2021, POWERING OF BOATS

- **PINS Date**: Oct 9, 2020  
- **Public Review Date**: Mar 19, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-27-2021, SEACOCKS, THRU-HULL FITTINGS, AND DRAIN PLUGS

- **PINS Date**: Sep 14, 2018  
- **Public Review Date**: Mar 19, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-28-2021, Inflatable Boats

- **PINS Date**: Oct 23, 2020  
- **Public Review Date**: Mar 12, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-29-2019, CANOES AND KAYAKS

- **PINS Date**: Sep 23, 2016  
- **Public Review Date**: Apr 26, 2019  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-3-2019, Exterior Windows, Windshields, Hatches, Doors, Port Lights, and Glazing Materials

- **PINS Date**: Nov 2, 2012  
- **Public Review Date**: Feb 22, 2019  
- **Final Action Date**: May 21, 2019 | Approved

#### ANSI/ABYC H-30-2017, Hydraulic Systems

- **PINS Date**: Oct 23, 2015  
- **Public Review Date**: Feb 17, 2017  
- **Final Action Date**: Jun 15, 2017 | Approved

#### ANSI/ABYC H-31-2020, Seat Structures

- **PINS Date**: Sep 27, 2019  
- **Public Review Date**: Mar 20, 2020  
- **Final Action Date**: Jun 30, 2020 | Approved

#### ANSI/ABYC H-32-2013 (R2018), Ventilation of Boats Using Diesel Fuel

- **PINS Date**: Oct 20, 2017  
- **Public Review Date**: Mar 2, 2018  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-33-2021, Diesel Fuel Systems

- **PINS Date**: Sep 27, 2019  
- **Public Review Date**: Mar 19, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-35-2017, Powering and Load Capacity of Pontoon Boats

- **PINS Date**: Oct 23, 2015  
- **Public Review Date**: Mar 31, 2017  
- **Final Action Date**: Jun 15, 2017 | Approved

#### ANSI/ABYC H-37-2017, Jet Boats - Light Weight

- **PINS Date**: Sep 23, 2016  
- **Public Review Date**: Mar 3, 2017  
- **Final Action Date**: Jun 15, 2017 | Approved

#### ANSI/ABYC H-4-2020, Cockpit Drainage Systems

- **PINS Date**: Sep 27, 2019  
- **Public Review Date**: Mar 13, 2020  
- **Final Action Date**: Jun 30, 2020 | Approved

#### ANSI/ABYC H-40-2019, ANCHORING, MOORING, AND STRONG POINTS

- **PINS Date**: Sep 14, 2018  
- **Public Review Date**: Mar 22, 2019  
- **Final Action Date**: May 21, 2019 | Approved

#### ANSI/ABYC H-5-2021, BOAT LOAD CAPACITY

- **PINS Date**: Nov 6, 2020  
- **Public Review Date**: Mar 19, 2021  
- **Final Action Date**: Jul 6, 2021 | Approved

#### ANSI/ABYC H-8-2017, Buoyancy in the Event of Flooding/Swamping

- **PINS Date**: Sep 23, 2016  
- **Public Review Date**: Feb 24, 2017  
- **Final Action Date**: Jun 15, 2017 | Approved

#### ANSI/ABYC P-1-2019, Installation of Exhaust Systems for Propulsion and Auxiliary Engines

- **PINS Date**: Sep 14, 2018  
- **Public Review Date**: Feb 22, 2019  
- **Final Action Date**: Jul 9, 2019 | Approved

#### ANSI/ABYC P-14-2020, Mechanical Propulsion Control Systems

- **PINS Date**: Sep 27, 2019  
- **Public Review Date**: Mar 13, 2020  
- **Final Action Date**: Jun 30, 2020 | Approved
ABYC (American Boat and Yacht Council)

- ANSI/ABYC P-17-2018, Mechanical Steering Systems (revision of ANSI/ABYC P-17-2013)
  PINS Date: Oct 20, 2017 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 27, 2018 | Approved

  PINS Date: Oct 7, 2016 | Public Review Date: Mar 3, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/ABYC P-22-2018, Steering Wheels (revision of ANSI/ABYC P-22-2013)
  PINS Date: Oct 20, 2017 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 15, 2018 | Approved

  PINS Date: Sep 23, 2016 | Public Review Date: Apr 21, 2017 | Final Action Date: Jul 12, 2017 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ABYC P-4-2019, Marine Inboard Engines and Transmissions (revision of ANSI/ABYC P-4-2012)
  PINS Date: Sep 23, 2016 | Public Review Date: Feb 22, 2019 | Final Action Date: Jul 9, 2019 | Approved

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

  PINS Date: Apr 28, 2017 | Public Review Date: Jun 9, 2017 | Final Action Date: Jul 12, 2017 | Approved

  PINS Date: Nov 6, 2015 | Public Review Date: Apr 7, 2017 | Final Action Date: Jul 12, 2017 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Apr 3, 2020 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ABYC S-7-2020, Boat Capacity Labels (revision of ANSI/ABYC S-7-2015)
  PINS Date: Sep 27, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ABYC S-8-2021, BOAT MEASUREMENT AND WEIGHT (revision of ANSI/ABYC S-8-2016)
  PINS Date: Oct 23, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

ACCA (Air Conditioning Contractors of America)

1330 Braddock Place, Suite 350, Alexandria, VA  22314 | w: www.acca.org

  PINS Date: Mar 4, 2016 | Public Review Date: Aug 19, 2016 | Final Action Date: Oct 21, 2016 | Approved

  PINS Date: May 1, 2015 | Public Review Date: Jul 7, 2017 | Final Action Date: Sep 27, 2017 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 20, 2018 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Nov 10, 2017 | Final Action Date: Jan 26, 2018 | Approved
### Approved American National Standards

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<td>PINS Date: Feb 1, 2013</td>
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<td>ANSI/ACCA 5 QI-2015</td>
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<td>HVAC Quality Installation Verification Protocols (revision of ANSI/ACCA 9 QIvp -2011)</td>
<td>PINS Date: May 2, 2014</td>
<td>Public Review Date: Jan 22, 2016</td>
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### ACCT (Association for Challenge Course Technology)

PO Box 19797, Boulder, CO  80308 | w: www.acctinfo.org

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<td>ANSI/ACCT 03-2019</td>
<td>Challenge Course and Canopy/Zip Line Tours Standards (revision of ANSI/ACCT 03-2016)</td>
<td>PINS Date: Oct 6, 2017</td>
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### ACDE (Association of Commercial Diving Educators)

1500 Liberty Place, Sicklerville, NJ  08081 | w: www.acde.us.com

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### ACI (American Concrete Institute)

38800 Country Club Drive, Farmington Hills, MI  48331 | w: www.concrete.org

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<td>ANSI/ACI 318-2019</td>
<td>Building Code Requirements for Structural Concrete and Commentary (new standard)</td>
<td>PINS Date: Sep 14, 2018</td>
<td>Public Review Date: Dec 21, 2018</td>
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<td>ANSI/ACI 562-2020</td>
<td>Code Requirements for Evaluation, Repair, and Rehabilitation of Concrete Buildings (ACI 562-XX) and Commentary (new standard)</td>
<td>PINS Date: Sep 21, 2018</td>
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### ACMA (American Composites Manufacturers Association)

3033 Wilson Boulevard, Suite 420, Arlington, VA  22201 | w: www.icpa-hq.org

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<td>Estimating Emission Factors from Open Molding and Other Composite Processes (revision of ANSI/ACMA UEF-1-2011a)</td>
<td>PINS Date: Nov 27, 2015</td>
<td>Public Review Date: Mar 30, 2018</td>
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ACMA (American Composites Manufacturers Association)

  PINS Date: Feb 17, 2017 | Public Review Date: Apr 14, 2017 | Final Action Date: Aug 30, 2017 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Sep 13, 2018 | Approved

  PINS Date: Aug 19, 2011 | Public Review Date: Oct 7, 2011 | Final Action Date: Feb 23, 2012 | Approved

ACP (American Clean Power Association)

  PINS Date: Jun 12, 2020 | Public Review Date: May 21, 2021 | Final Action Date: Dec 21, 2021 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: May 19, 2017 | Final Action Date: Aug 18, 2017 | Approved

- ANSI/AWEA 61400-12-1-2016, Power performance measurements of electricity producing wind turbines (identical national adoption of IEC 61400-12-1 (2005))
  PINS Date: Oct 9, 2015 | Public Review Date: Mar 25, 2016 | Final Action Date: Jun 23, 2016 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: May 19, 2017 | Final Action Date: Aug 18, 2017 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 21, 2017 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Dec 21, 2017 | Approved

ADA (Organization) (American Dental Association)

  PINS Date: Jan 12, 2018 | Public Review Date: Jun 29, 2018 | Final Action Date: Oct 31, 2018 | Approved

  PINS Date: Sep 8, 2017 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

  PINS Date: Jun 14, 2013 | Public Review Date: Sep 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

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<td>Forensic Dental Data Set (reaffirmation of ANSI/ADA Standard No. 1058-2010 (R2015))</td>
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<td>Reference Core Data Set for Communication Among Dental and Other Health Information Systems (new standard)</td>
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<td>ANSI/ADA Standard No. 1097-2020</td>
<td>Digital Caries Risk Assessment Resources (new standard)</td>
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ADA (Organization) (American Dental Association)

  PINS Date: Dec 6, 2013 | Public Review Date: Aug 7, 2015 | Final Action Date: Dec 17, 2015 | Approved

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  PINS Date: Sep 28, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

  PINS Date: Mar 5, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Jan 31, 2022 | Approved

  PINS Date: Sep 28, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

  PINS Date: Aug 21, 2020 | Public Review Date: Sep 10, 2021 | Final Action Date: Jan 31, 2022 | Approved

  PINS Date: Jun 11, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Jan 31, 2022 | Approved

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**ADA (Organization) (American Dental Association)**

  (reaffirmation of ANSI/ADA Standard No. 62-2005 (R2015))
  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | **Approved**

- ANSI/ADA Standard No. 63-2020, Endodontic Instruments - Auxiliary  
  (national adoption of ISO 3630-4:2009 with modifications and revision of ANSI/ADA Standard No. 63-2013)
  PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | **Approved**

- ANSI/ADA Standard No. 69-2020, Dental Ceramic  
  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | **Approved**

- ANSI/ADA Standard No. 70-1999 (R2010), Dental X-Ray Protective Aprons and Accessory Devices  
  (reaffirmation of ANSI/ADA 70-1999 (R2005))
  Public Review Date: Jun 18, 2010 | Final Action Date: Sep 20, 2010 | **Approved**

- ANSI/ADA Standard No. 71-2022, Dentistry-Endodontic Instruments: Compactors  
  (identical national adoption of ISO 3630-3:2021 and revision of ANSI/ADA Standard No. 71-2008 (R2013))
  PINS Date: Aug 30, 2019 | Public Review Date: Oct 1, 2021 | Final Action Date: Jan 31, 2022 | **Approved**

- ANSI/ADA Standard No. 73-2008 (R202x), Dental Absorbent Points  
  (reaffirm a national adoption ANSI/ADA Standard No. 73-2008 (R2013))
  Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | **Approved**

- ANSI/ADA Standard No. 74-2010 (R2015), Dental Operator’s Stool  
  (reaffirm a national adoption ANSI/ADA Specification No. 74-2010)
  Public Review Date: Feb 13, 2015 | Final Action Date: Oct 26, 2015 | **Approved**

  (identical national adoption of ISO 10139-1:2018 and revision of ANSI/ADA Standard No. 75-1997 (R2014))
  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | **Approved**

- ANSI/ADA Standard No. 78-2013 (R2020), Dental Obturating Cones  
  (reaffirm a national adoption ANSI/ADA Standard No. 78-2013)
  Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | **Approved**

  (reaffirm a national adoption ANSI/ADA Standard No. 80-2001 (R2013))
  Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | **Approved**

- ANSI/ADA Standard No. 87-1995 (R2014), Dental Impression Trays  
  (reaffirmation of ANSI/ADA 87-1995 (R2003))
  Public Review Date: Feb 28, 2014 | Final Action Date: Sep 8, 2014 | **Approved**

- ANSI/ADA Standard No. 88-2019, Dental Brazing Alloys  
  PINS Date: Jan 12, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Aug 26, 2019 | **Approved**

- ANSI/ADA Standard No. 89-2017, Dental Operating Lights  
  (identical national adoption of ISO 9680:2014 and revision of ANSI/ADA Standard No. 89-2008 (R2013))
  PINS Date: Mar 17, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Dec 21, 2017 | **Approved**

- ANSI/ADA Standard No. 94-2021, Central Compressed Air Source Equipment  
  (identical national adoption of ISO 22052:2020 and revision of ANSI/ADA Standard No. 94-1996 (R2014))
  PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | **Approved**
### ADA (Organization) (American Dental Association)

- **ANSI/ADA Standard No. 95-2020, Endodontic Instruments - Enlargers**  
  (national adoption of ISO 3630-2:2013 with modifications and revision of ANSI/ADA Standard No. 95-2013)  
  PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | **Approved**

- **ANSI/ADA Standard No. 96-2020, Dental Water-Based Cements**  
  PINS Date: Jan 12, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | **Approved**

  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | **Approved**

  (reaffirmation of ANSI/ADA 99-2001 (R2008))  
  Public Review Date: Feb 8, 2013 | Final Action Date: May 28, 2013 | **Approved**

### AGA (ASC B109) (American Gas Association)

400 N. Capitol St., NW, Suite 450, Washington, DC  20001 | w: www.aga.org

- **ANSI B109.1-2019, ASD B109.1 Diaphragm-Type Gas Displacement Meters (Under 500 Cubic Feet Hour Capacity)**  
  (new standard)  
  PINS Date: Sep 30, 2016 | Public Review Date: Jan 18, 2019 | Final Action Date: Apr 8, 2019 | **Approved**

- **ANSI B109.2-2020, Diaphragm-Type Gas Displacement Meters (500 Cubic Feet Hour Capacity and Over)**  
  (new standard)  
  PINS Date: Dec 4, 2009 | Public Review Date: Dec 6, 2019 | Final Action Date: Mar 16, 2020 | **Approved**

- **ANSI B109.3-2019, ASD B109.3 Rotary-Type Gas Displacement Meters**  
  (revision of ANSI B109.3-2000 (R2008))  
  PINS Date: Oct 20, 2017 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 5, 2019 | **Approved**

- **ANSI B109.4-2017, Self-Operated Diaphragm Type Natural Gas Service Regulators**  
  (revision of ANSI B109.4-1998 (R2008))  
  PINS Date: Aug 1, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Feb 3, 2017 | **Approved**

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

### AGA (ASC Z223) (American Gas Association)

400 North Capitol Street, NW, Suite 450, Washington, DC  20001 | w: www.aga.org

- **ANSI Z223.1/NFPA 54-2021, National Fuel Gas Code**  
  (revision of ANSI Z223.1/NFPA 54-2018)  
  PINS Date: May 18, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 2, 2020 | **Approved**

### AGMA (American Gear Manufacturers Association)

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

- **ANSI/AGMA 1003-2007 (R2020), Tooth Proportions for Fine- Pitch Spur and Helical Gearing**  
  (reaffirmation of ANSI/AGMA 1003-2007 (R2014))  
  Public Review Date: May 10, 2019 | Final Action Date: Feb 6, 2020 | **Approved**

- **ANSI/AGMA 1006-A97 (R2016), Tooth Proportions for Plastic Gears**  
  (reaffirmation of ANSI/AGMA 1006-A97 (R2009))  
  Public Review Date: Jun 13, 2014 | Final Action Date: Aug 29, 2016 | **Approved**
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AGMA (American Gear Manufacturers Association)

- ANSI/AGMA 2101-D04-2010 (R2016), Fundamental Rating Factors and Calculation Methods for Involute Spur and Helical Gear Teeth (reaffirmation of ANSI/AGMA 2101-D04 (R2010))
  Public Review Date: Jul 17, 2015 | Final Action Date: Mar 16, 2016 | Approved

- ANSI/AGMA 2111-A98 (R2020), Cylindrical Wormgearing Tolerance and Inspection - Methods (Metric) (reaffirmation of ANSI/AGMA 2111-A98 (R2015))
  Public Review Date: Jul 3, 2020 | Final Action Date: Nov 20, 2020 | Approved

  Public Review Date: Sep 30, 2016 | Final Action Date: Feb 2, 2017 | Approved

- ANSI/AGMA 6000-CXX-2020, Specification for Measurement of Linear Vibration on Gear Units (revision and redesignation of ANSI/AGMA 6000-B96 (R2016))
  PINS Date: Aug 5, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/AGMA 6001-F-2019, Design and Selection of Components for Enclosed Gear Drives (revision and redesignation of ANSI/AGMA 6001-E-2008 (R2014))
  PINS Date: May 27, 2011 | Public Review Date: May 11, 2018 | Final Action Date: Jan 18, 2019 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 6, 2020 | Approved

  PINS Date: May 27, 2011 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 11, 2020 | Approved

- ANSI/AGMA 6008-A98 (R2017), Specifications for Powder Metallurgy Gears (reaffirmation of ANSI/AGMA 6008-A98 (R2012))
  Public Review Date: Jul 7, 2017 | Final Action Date: Dec 14, 2017 | Approved

- ANSI/AGMA 6011-J14 (R2019), Specification for High Speed Helical Gear Units (reaffirmation of ANSI/AGMA 6011-2014)
  Public Review Date: Apr 26, 2019 | Final Action Date: Dec 19, 2019 | Approved

- ANSI/AGMA 6013-B-2016 (R2021), Standard for Industrial Enclosed Gear Drives (reaffirmation of ANSI/AGMA 6013-B-2016)
  Public Review Date: Jun 4, 2021 | Final Action Date: Nov 23, 2021 | Approved

  Public Review Date: Jun 12, 2020 | Final Action Date: Nov 30, 2020 | Approved

  Public Review Date: Jun 8, 2018 | Final Action Date: Dec 17, 2018 | Approved

  PINS Date: Dec 14, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/AGMA 6025-E-2019, Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives (revision and redesignation of ANSI/AGMA 6025-D98 (R2016))
  PINS Date: Aug 5, 2016 | Public Review Date: Jan 26, 2018 | Final Action Date: Jan 18, 2019 | Approved

  Public Review Date: Jul 20, 2018 | Final Action Date: Dec 14, 2018 | Approved
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AGMA (American Gear Manufacturers Association)

  PINS Date: Jun 14, 2013 | Public Review Date: Jan 19, 2018 | Final Action Date: Jun 15, 2018 | Approved

  Public Review Date: Jul 19, 2019 | Final Action Date: Jun 8, 2020 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 6, 2017 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Apr 23, 2020 | Approved

- ANSI/AGMA 9005-F-2016 (R2021), Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-F-2016)
  Public Review Date: May 21, 2021 | Final Action Date: Oct 5, 2021 | Approved

  Public Review Date: Aug 6, 2021 | Final Action Date: Jan 6, 2022 | Approved

- ANSI/AGMA 9008-B99 (R2017), Flexible Couplings - Gear Type - Flange Dimensions (Inch Series) (reaffirmation of ANSI/AGMA 9008-B99 (R2012))
  Public Review Date: Jul 7, 2017 | Final Action Date: Dec 19, 2017 | Approved

- ANSI/AGMA 9009-EXX-2020, Flexible Couplings -- Nomenclature for Flexible Couplings (revision and redesignation of ANSI/AGMA 9009-D02 (R2014))
  PINS Date: May 31, 2013 | Public Review Date: Feb 14, 2020 | Final Action Date: Jun 8, 2020 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 6, 2017 | Approved

  Public Review Date: Jul 7, 2017 | Final Action Date: Dec 19, 2017 | Approved

  Public Review Date: Aug 6, 2021 | Final Action Date: Jan 6, 2022 | Approved

  Public Review Date: Jun 12, 2020 | Final Action Date: Dec 7, 2020 | Approved

  PINS Date: Dec 20, 2013 | Public Review Date: Jan 17, 2014 | Final Action Date: Sep 30, 2014 | Approved

  PINS Date: Jan 29, 2021 | Public Review Date: Mar 5, 2021 | Final Action Date: Oct 18, 2021 | Approved

  Public Review Date: Jun 14, 2013 | Final Action Date: Mar 12, 2014 | Approved
AGMA (American Gear Manufacturers Association)

  Public Review Date: Oct 21, 2005 | Final Action Date: Sep 29, 2006 | Approved

  PINS Date: Feb 24, 2017 | Public Review Date: Mar 31, 2017 | Final Action Date: Dec 12, 2017 | Approved

AGSC (Auto Glass Safety Council)

  Public Review Date: Jun 22, 2018 | Final Action Date: Aug 23, 2018 | Approved

AHAM (Association of Home Appliance Manufacturers)

  PINS Date: Mar 6, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Dec 14, 2020 | Approved

- ANSI/AHAM DW-1-2010, HOUSEHOLD ELECTRIC DISHWASHERS  (revision of ANSI/AHAM DW-1-2005)
  PINS Date: Mar 6, 2009 | Public Review Date: Jan 22, 2010 | Final Action Date: Sep 10, 2010 | Approved

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

  PINS Date: Jul 3, 2009 | Public Review Date: Feb 21, 2014 | Final Action Date: Apr 15, 2014 | Approved

  PINS Date: Mar 29, 2013 | Public Review Date: Feb 20, 2015 | Final Action Date: May 15, 2015 | Approved

  PINS Date: Mar 29, 2013 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  PINS Date: Aug 17, 2012 | Public Review Date: Sep 14, 2012 | Final Action Date: Nov 30, 2012 | Approved

- ANSI/AHRI Standard 1110 (I-P)-2013, Performance Rating of Mechanical Transport Refrigeration Units  (new standard)
  PINS Date: Mar 29, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

- ANSI/AHRI Standard 1111 (SI)-2013, Performance Rating of Mechanical Transport Refrigeration Units  (new standard)
  PINS Date: Mar 29, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

  PINS Date: Sep 7, 2012 | Public Review Date: Oct 19, 2012 | Final Action Date: Dec 6, 2012 | Approved
### AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

  - PINS Date: Jun 27, 2014 | Public Review Date: Aug 29, 2014 | Final Action Date: Nov 19, 2014 | Approved

  - PINS Date: Jun 27, 2014 | Public Review Date: Aug 29, 2014 | Final Action Date: Nov 20, 2014 | Approved

  - PINS Date: Jul 19, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Oct 1, 2013 | Approved

  - PINS Date: Jul 19, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Oct 1, 2013 | Approved

- **ANSI/AHRI Standard 1210 (I-P)-2011 with Addendum 1, Performance Rating of Variable Frequency Drives** (revision, redesignation and consolidation of ANSI/AHRI Standard 1210-2011)
  - PINS Date: Jul 19, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Oct 1, 2013 | Approved

  - Public Review Date: Aug 16, 2013 | Final Action Date: Oct 1, 2013 | Approved

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  - Public Review Date: Feb 20, 2015 | Final Action Date: Jun 3, 2015 | Approved

  - PINS Date: Jun 18, 2010 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

  - PINS Date: Jun 18, 2010 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

  - PINS Date: Feb 3, 2012 | Public Review Date: Mar 2, 2012 | Final Action Date: Apr 17, 2012 | Approved

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

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<td>Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard)</td>
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<td>Method to Determine Efficiency of Commercial Space Heating Boilers (new standard)</td>
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<td>ANSI/AHRI Standard 280-2012</td>
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AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

- ANSI/AHRI Standard 400 (I-P)-2015, Performance Rating of Liquid to Liquid Heat Exchangers (new standard)
  PINS Date: Jun 26, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

- ANSI/AHRI Standard 401 (SI)-2015, Performance Rating of Liquid to Liquid Heat Exchangers (new standard)
  PINS Date: Jun 26, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

  PINS Date: Jan 6, 2012 | Public Review Date: Jan 20, 2012 | Final Action Date: Apr 17, 2012 | Approved

  PINS Date: Jan 6, 2012 | Public Review Date: Jan 20, 2012 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: Feb 21, 2014 | Public Review Date: Oct 30, 2015 | Final Action Date: Apr 7, 2016 | Approved

  PINS Date: Oct 19, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 12, 2013 | Approved

  PINS Date: Oct 19, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Jun 18, 2013 | Approved

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  PINS Date: Jul 6, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 12, 2013 | Approved

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

  PINS Date: Feb 19, 2016 | Public Review Date: May 20, 2016 | Final Action Date: Jul 8, 2016 | Approved

  PINS Date: Jun 27, 2014 | Public Review Date: Aug 29, 2014 | Final Action Date: Apr 14, 2015 | Approved

- ANSI/AHRI Standard 716 (SI)-2015, Performance Rating of Liquid-Line Filters (new standard)
  PINS Date: Jun 27, 2014 | Public Review Date: Aug 29, 2014 | Final Action Date: Apr 14, 2015 | Approved

  PINS Date: Jan 17, 2014 | Public Review Date: Feb 21, 2014 | Final Action Date: Apr 15, 2014 | Approved

  PINS Date: Jan 17, 2014 | Public Review Date: Feb 21, 2014 | Final Action Date: Apr 15, 2014 | Approved

  PINS Date: Jul 3, 2009 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 15, 2015 | Approved

  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 15, 2015 | Approved

- ANSI/AHRI Standard 770 (I-P)-2014, Performance Rating of Refrigerant Pressure Regulating Valves (new standard)
  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

- ANSI/AHRI Standard 771 (SI)-2014, Performance Rating of Refrigerant Pressure Regulating Valves (new standard)
  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  PINS Date: Oct 19, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 12, 2013 | Approved

  PINS Date: Oct 19, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 12, 2013 | Approved

  PINS Date: Aug 10, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Nov 30, 2012 | Approved

  PINS Date: Aug 10, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Nov 30, 2012 | Approved

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

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### AIAA (American Institute of Aeronautics and Astronautics)

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- **Public Review Date:** Jun 21, 2019 | **Final Action Date:** Aug 9, 2019 | **Approved**

- **PINS Date:** Jun 3, 2005 | **Public Review Date:** Nov 18, 2016 | **Final Action Date:** Mar 20, 2018 | **Approved**

## ANSI/AIAA S-081B-2018, Space Systems - Composite Overwrapped Pressure Vessels (new standard)
- **PINS Date:** Mar 15, 2013 | **Public Review Date:** Nov 18, 2016 | **Final Action Date:** Mar 20, 2018 | **Approved**

## ANSI/AIAA S-102-1-4-2019, Performance-Based Failure Reporting, Analysis & Corrective Action System (FRACAS) Requirements (new standard)
- **PINS Date:** Jun 2, 2017 | **Public Review Date:** Jul 7, 2017 | **Final Action Date:** Mar 14, 2019 | **Approved**

## ANSI/AIAA S-102-1-5-2019, Performance-Based Failure Review Board (FRB) Requirements (new standard)
- **PINS Date:** Jun 2, 2017 | **Public Review Date:** Jul 7, 2017 | **Final Action Date:** Mar 14, 2019 | **Approved**

- **PINS Date:** Jun 2, 2017 | **Public Review Date:** Jul 7, 2017 | **Final Action Date:** Mar 14, 2019 | **Approved**

## ANSI/AIAA S-102-2-18-2019, Performance-Based Fault Tree Analysis Requirements (new standard)
- **PINS Date:** Jun 2, 2017 | **Public Review Date:** Jul 7, 2017 | **Final Action Date:** Mar 14, 2019 | **Approved**

- **PINS Date:** Jun 2, 2017 | **Public Review Date:** Jul 7, 2017 | **Final Action Date:** Mar 14, 2019 | **Approved**

## ANSI/AIAA S-102.0.1-2019, Capability-based mission assurance program – General requirements (new standard)
- **PINS Date:** Apr 26, 2019 | **Public Review Date:** Oct 19, 2018 | **Final Action Date:** Sep 16, 2019 | **Approved**

## ANSI/AIAA S-102.2.4-2015, Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements (revision of ANSI/AIAA S-102.2.4-2008)
- **PINS Date:** Nov 28, 2014 | **Public Review Date:** Feb 27, 2015 | **Final Action Date:** Aug 14, 2015 | **Approved**

- **Public Review Date:** Jun 2, 2017 | **Final Action Date:** Sep 20, 2017 | **Approved**

- **Public Review Date:** Apr 29, 2016 | **Final Action Date:** Sep 1, 2016 | **Approved**

- **Public Review Date:** Jun 2, 2017 | **Final Action Date:** Sep 20, 2017 | **Approved**

- **Public Review Date:** Jun 2, 2017 | **Final Action Date:** Sep 20, 2017 | **Approved**

- **Public Review Date:** Apr 29, 2016 | **Final Action Date:** Sep 1, 2016 | **Approved**

- **PINS Date:** May 22, 2015 | **Public Review Date:** Oct 23, 2015 | **Final Action Date:** Oct 21, 2016 | **Approved**
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### AIAA (American Institute of Aeronautics and Astronautics)

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### AISC (American Institute of Steel Construction)

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### AISI (American Iron and Steel Institute)

| Standard | Title | Date
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AISI (American Iron and Steel Institute)

- **ANSI/AISI S100-2016/S1-2018, Supplement 1 to North American Specification for the Design of Cold-Formed Steel Structural Members** (supplement to ANSI/AISI S100-2016)
  - PINS Date: Apr 6, 2018 | Public Review Date: Nov 2, 2018 | Final Action Date: Dec 11, 2018 | Approved

- **ANSI/AISI S201-2017, North American Standard for Cold-Formed Steel Framing - Product Data** (revision of ANSI/AISI S201-2012)
  - PINS Date: Aug 15, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

  - PINS Date: Apr 8, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

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- **ANSI/AISI S240-2020, North American Standard for Cold-Formed Steel Structural Framing** (revision of ANSI/AISI S240-2015)
  - PINS Date: Apr 8, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- **ANSI/AISI S250-2021, North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing** (new standard)
  - PINS Date: Mar 28, 2014 | Public Review Date: Jun 4, 2021 | Final Action Date: Aug 12, 2021 | Approved

  - PINS Date: Apr 21, 2017 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

  - PINS Date: Aug 26, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- **ANSI/AISI S902-2017, Test Standard for Determining the Effective Area of Cold-Formed Steel Compression Members** (revision of ANSI/AISI S902-2013)
  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

  - PINS Date: Dec 21, 2018 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- **ANSI/AISI S904-2017, Test Standard for Determining the Tensile and Shear Strengths of Steel Screws** (revision of ANSI/AISI S904-2013)
  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- **ANSI/AISI S905-2017, Test Standard for Determining the Strength and Deformation Characteristics of Cold-Formed Steel Connections** (revision of ANSI/AISI S905-2013)
  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved
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<td>ANSI/AISI S919-2017</td>
<td>Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members (new standard)</td>
<td>Apr 8, 2016</td>
<td>Nov 17, 2017</td>
<td>Mar 29, 2018</td>
<td>Approved</td>
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### Approved American National Standards

**AISI (American Iron and Steel Institute)**

- ANSI/AISI S921-2019, Test Standard for Determining the Strength and Serviceability of Cold-Formed Steel Truss Assemblies and Components (new standard)
  - PINS Date: Apr 8, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Dec 3, 2019 | Approved

  - PINS Date: Apr 21, 2017 | Public Review Date: Sep 27, 2019 | Final Action Date: Dec 3, 2019 | Approved

- ANSI/AISI S923-2020, Test Standard for Determining the Strength and Stiffness of Shear Connections in Composite Members (new standard)
  - PINS Date: May 17, 2019 | Public Review Date: Jun 26, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/AISI S924-2020, Test Standard for Determining the Effective Flexural Stiffness of Composite Members (new standard)
  - PINS Date: Jun 19, 2020 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

**ALI (Automotive Lift Institute)**

  - PINS Date: Jun 19, 2015 | Public Review Date: Oct 7, 2016 | Final Action Date: Jan 24, 2017 | Approved

  - PINS Date: Jan 4, 2019 | Public Review Date: Sep 24, 2021 | Final Action Date: Feb 4, 2022 | Approved

  - PINS Date: Jul 18, 2014 | Public Review Date: Sep 27, 2019 | Final Action Date: Mar 13, 2020 | Approved

**ALI (ASC A14) (American Ladder Institute)**

  - PINS Date: May 12, 2017 | Public Review Date: Nov 3, 2017 | Final Action Date: Aug 23, 2018 | Approved

- ANSI A14.11-2018, Stepstools (new standard)
  - PINS Date: May 7, 1999 | Public Review Date: Mar 30, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI A14.2-2017, Standard For Ladders - Portable Metal - Safety Requirements (new standard)
  - PINS Date: Jan 28, 2011 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 12, 2017 | Approved

- ANSI A14.3-2008 (R2018), Standard for Ladders - Fixed - Safety Requirements (reaffirmation of ANSI A14.3-2008)
  - PINS Date: Aug 9, 2013 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 5, 2018 | Approved

- ANSI A14.4-2018, Job Made Ladders (revision of ANSI A14.4-2009)
  - PINS Date: Dec 15, 2017 | Public Review Date: Jan 12, 2018 | Final Action Date: Oct 18, 2018 | Approved

- ANSI A14.5-2017, Reinforced Plastic Ladders (new standard)
  - PINS Date: Dec 3, 2010 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 12, 2017 | Approved

- ANSI A14.7-2012, Mobile Ladder Stands & Mobile Ladder Stand Platforms (revision of )
  - PINS Date: Dec 3, 2010 | Public Review Date: Oct 7, 2011 | Final Action Date: Jan 18, 2012 | Approved
Approved American National Standards

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ALI (ASC A14) (American Ladder Institute)

- ANSI A14.8-2020, Safety Requirements for Ladder Accessories  (revision of ANSI A14.8-2013)
  PINS Date: Dec 15, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: Jul 6, 2020 | Approved

- ANSI A14.9-2019, Requirements for Disappearing Attic Stairs  (revision of ANSI A14.9-2010)
  PINS Date: May 12, 2017 | Public Review Date: Dec 21, 2018 | Final Action Date: Feb 15, 2019 | Approved

AMCA (Air Movement and Control Association)

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

  PINS Date: Jan 31, 2014 | Public Review Date: Jan 20, 2017 | Final Action Date: Apr 17, 2017 | Approved

- ANSI/AMCA 208-2018, Calculation of Fan Energy Index  (new standard)
  PINS Date: Feb 20, 2015 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 24, 2018 | Approved

  Public Review Date: Oct 30, 2015 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/AMCA 214-2021, Test Procedure for Calculating Fan Energy Index for Commercial and Industrial Fans and Blowers  (new standard)
  PINS Date: Nov 9, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 1, 2021 | Approved

  PINS Date: Dec 20, 2013 | Public Review Date: Aug 14, 2015 | Final Action Date: Oct 16, 2015 | Approved

  PINS Date: Aug 8, 2014 | Public Review Date: Mar 13, 2015 | Final Action Date: May 8, 2015 | Approved

  Public Review Date: Oct 22, 2021 | Final Action Date: Jan 6, 2022 | Approved

  PINS Date: Feb 10, 2012 | Public Review Date: Mar 22, 2013 | Final Action Date: Sep 17, 2013 | Approved

  PINS Date: Nov 11, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: Dec 6, 2018 | Approved

  PINS Date: Feb 10, 2012 | Public Review Date: Feb 1, 2013 | Final Action Date: Jun 14, 2013 | Approved

  PINS Date: Dec 22, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Jan 24, 2014 | Public Review Date: Aug 26, 2016 | Final Action Date: Nov 10, 2016 | Approved

- ANSI/AMCA Standard 204-2020, Balance Quality and Vibration Level for Fans  (revision and redesignation of ANSI/AMCA 204-2005 (R2012))
  PINS Date: Dec 29, 2017 | Public Review Date: Jul 5, 2019 | Final Action Date: Mar 19, 2020 | Approved

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### AMCA (Air Movement and Control Association)

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  - PINS Date: Apr 22, 2016 | Public Review Date: Oct 2, 2020 | Final Action Date: May 4, 2021 | Approved

  - PINS Date: Sep 14, 2018 | Public Review Date: Aug 23, 2019 | Final Action Date: Jan 14, 2020 | Approved

  - PINS Date: Feb 10, 2012 | Public Review Date: Jun 13, 2014 | Final Action Date: Aug 14, 2014 | Approved

  - PINS Date: May 27, 2011 | Public Review Date: Jun 13, 2014 | Final Action Date: Aug 14, 2014 | Approved

  - Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved

  - PINS Date: Jun 9, 2017 | Public Review Date: Oct 19, 2018 | Final Action Date: Apr 9, 2019 | Approved

### AMCi (AMC Institute)

  - PINS Date: Dec 22, 2017 | Public Review Date: May 25, 2018 | Final Action Date: Dec 19, 2018 | Approved

### AmericanHort (AmericanHort)

  - PINS Date: Oct 9, 2009 | Public Review Date: Mar 14, 2014 | Final Action Date: Apr 14, 2014 | Approved

### AMPP (Association for Materials Protection and Performance)

  - PINS Date: Jun 26, 2015 | Public Review Date: Jul 10, 2015 | Final Action Date: Jan 20, 2016 | Approved

  - PINS Date: May 29, 2015 | Public Review Date: Oct 2, 2015 | Final Action Date: Nov 23, 2015 | Approved

  - PINS Date: May 9, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: May 3, 2016 | Approved
## AMPP (Association for Materials Protection and Performance)

  - PINS Date: Jun 20, 2014 | Public Review Date: Sep 26, 2014 | Final Action Date: Mar 12, 2015 | Approved

  - PINS Date: Mar 7, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Mar 4, 2016 | Approved

  - PINS Date: Sep 11, 2015 | Public Review Date: Aug 5, 2016 | Final Action Date: Jan 10, 2018 | Approved

- **ANSI/NACE Standard MR0103-2012, Materials Resistant to Sulfide Stress Cracking in Corrosive Petroleum Refining Environments** (new standard)
  - PINS Date: Jul 1, 2011 | Public Review Date: Aug 19, 2011 | Final Action Date: Oct 30, 2012 | Approved

  - Public Review Date: Nov 20, 2015 | Final Action Date: Apr 18, 2016 | Approved

  - PINS Date: Jul 3, 2015 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 22, 2016 | Approved

- **ANSI/NACE TM0416-2016, Test Method for Monitoring Atmospheric Corrosion Rate by Electrochemical Measurements** (new standard)
  - PINS Date: Nov 27, 2015 | Public Review Date: Apr 29, 2016 | Final Action Date: Jun 29, 2016 | Approved

## ANS (American Nuclear Society)

  - Public Review Date: Jun 7, 2019 | Final Action Date: Aug 12, 2019 | Approved

- **ANSI/ANS 10.4-2008 (R2021), Verification and Validation of Non-Safety-Related Scientific and Engineering Computer Programs for the Nuclear Industry** (reaffirmation of ANSI/ANS 10.4-2008 (R2016))
  - Public Review Date: Apr 16, 2021 | Final Action Date: Jun 15, 2021 | Approved

  - Public Review Date: Jun 18, 2021 | Final Action Date: Aug 23, 2021 | Approved

- **ANSI/ANS 10.7-2013 (R2018), Non-Real-Time, High-Integrity Software for the Nuclear Industry - Developer Requirements** (reaffirmation of ANSI/ANS 10.7-2013)
  - Public Review Date: Jun 8, 2018 | Final Action Date: Aug 13, 2018 | Approved

  - Public Review Date: Aug 28, 2020 | Final Action Date: Oct 29, 2020 | Approved

  - Public Review Date: Jun 7, 2019 | Final Action Date: Aug 12, 2019 | Approved
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<td>Radiation Protection at Research Reactors (reaffirmation of ANSI/ANS 15.11-2016)</td>
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<td>ANSI/ANS 15.2-1999 (R2021)</td>
<td>Quality Control for Plate-Type Uranium-Aluminum Fuel Elements (reaffirmation of ANSI/ANS 15.2-1999 (R2016))</td>
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<td>ANSI/ANS 15.4-2016 (R2021)</td>
<td>Selection and Training of Personnel for Research Reactors (reaffirmation of ANSI/ANS 15.4-2016)</td>
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<td>ANSI/ANS 19.3.4-2002 (R2017)</td>
<td>The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (reaffirmation of ANSI/ANS 19.3.4-2002 (R2008))</td>
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ANS (American Nuclear Society)

  PINS Date: Oct 28, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Dec 19, 2019 | Approved

  PINS Date: Aug 11, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 19, 2017 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 11, 2021 | Approved

  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 28, 2021 | Approved

- ANSI/ANS 2.2-2016 (R2020), Earthquake Instrumentation Criteria for Nuclear Power Plants (reaffirmation of ANSI/ANS 2.2-2016)
  Public Review Date: Sep 4, 2020 | Final Action Date: Nov 16, 2020 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Nov 26, 2021 | Final Action Date: Jan 27, 2022 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Nov 16, 2020 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 10, 2021 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Apr 16, 2020 | Approved

- ANSI/ANS 2.29-2020, Probabilistic Seismic Hazard Analysis (revision of ANSI/ANS 2.29-2008 (R2016))
  PINS Date: Aug 4, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Apr 16, 2020 | Approved

- ANSI/ANS 2.3-2011 (R2021), Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites (reaffirmation of ANSI/ANS 2.3-2011 (R2016))
  Public Review Date: May 7, 2021 | Final Action Date: Jul 19, 2021 | Approved

  Public Review Date: Feb 28, 2020 | Final Action Date: May 4, 2020 | Approved

  PINS Date: Jul 8, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Mar 16, 2018 | Approved

  PINS Date: Jan 27, 2012 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 17, 2019 | Approved

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<td>ANSI/ANS 3.2-2012 (R2017)</td>
<td>Managerial, Administrative, and Quality Assurance Controls for the Operational Phase of Nuclear Power Plants (reaffirmation of ANSI/ANS 3.2-2012)</td>
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<td>ANSI/ANS 3.4-2013 (R2018)</td>
<td>Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013)</td>
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<tr>
<td>ANSI/ANS 3.5-2018</td>
<td>Nuclear Power Plant Simulators for Use in Operator Training and Examination (new standard)</td>
<td>Approved</td>
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<td>ANSI/ANS 41.5-2012 (R2018)</td>
<td>Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation (reaffirmation of ANSI/ANS 41.5-2012)</td>
<td>Approved</td>
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<td>ANSI/ANS 5.4-2011 (R2020)</td>
<td>Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel (reaffirmation of ANSI/ANS 5.4-2011)</td>
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<td>ANSI/ANS 56.8-2020</td>
<td>Containment System Leakage Test Requirements (revision of ANSI/ANS 56.8-2002 (R2016))</td>
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<td>ANSI/ANS 57.3-2018</td>
<td>Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants (new standard)</td>
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<td>ANSI/ANS 57.8-2020</td>
<td>Fuel Assembly Identification (revision of ANSI/ANS 57.8-1995 (R2017))</td>
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<td>ANSI/ANS 6.1.1-2020</td>
<td>Neutron and Photon Fluence-to-Dose Conversion Coefficients (new standard)</td>
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<tr>
<td>ANSI/ANS 6.4-2006 (R2021)</td>
<td>Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.4-2006 (R2016))</td>
<td>Approved</td>
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ANS (American Nuclear Society)

  Public Review Date: Feb 21, 2020 | Final Action Date: Apr 23, 2020 | Approved

  PINS Date: Dec 22, 2017 | Public Review Date: Sep 14, 2018 | Final Action Date: Nov 29, 2018 | Approved

  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 26, 2020 | Approved

  PINS Date: May 27, 2016 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 16, 2021 | Approved

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

- ANSI/ANS 8.15-2014 (R2019), Nuclear Criticality Control of Selected Actinide Nuclides (reaffirmation of ANSI/ANS 8.15-2014)
  Public Review Date: Jul 12, 2019 | Final Action Date: Sep 12, 2019 | Approved

  Public Review Date: Jul 5, 2019 | Final Action Date: Sep 12, 2019 | Approved

  Public Review Date: Jun 21, 2019 | Final Action Date: Aug 22, 2019 | Approved

  PINS Date: Oct 16, 2015 | Public Review Date: Mar 6, 2020 | Final Action Date: May 8, 2020 | Approved

  PINS Date: Jun 17, 2011 | Public Review Date: Jan 4, 2019 | Final Action Date: Apr 9, 2019 | Approved

  Public Review Date: Sep 17, 2021 | Final Action Date: Dec 7, 2021 | Approved

  PINS Date: Jul 22, 2016 | Public Review Date: Jun 21, 2019 | Final Action Date: Sep 16, 2019 | Approved

  PINS Date: Apr 4, 2014 | Public Review Date: Sep 22, 2017 | Final Action Date: Dec 12, 2017 | Approved

  PINS Date: Feb 3, 2017 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 10, 2022 | Approved

  Public Review Date: Jun 5, 2020 | Final Action Date: Aug 7, 2020 | Approved
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ANS (American Nuclear Society)

- ANSI/ANS 8.3-1997 (R2017), Criticality Accident Alarm System  (reaffirmation of ANSI/ANS 8.3-1997 (R2012))
  PINS Date: Aug 17, 2012 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 25, 2017 | Approved

- ANSI/ANS 8.5-1996 (R2017), Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material  (reaffirmation of ANSI/ANS 8.5-1996 (R2012))
  Public Review Date: Aug 18, 2017 | Final Action Date: Nov 14, 2017 | Approved

  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 24, 2017 | Approved

  PINS Date: Nov 4, 2016 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 14, 2017 | Approved

APA (APA - The Engineered Wood Association)

  PINS Date: Jul 19, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: May 5, 2020 | Approved

- ANSI 405-2018, Standard for Adhesives for Use in Structural Glued Laminated Timber  (revision of ANSI 405-2013)
  PINS Date: Jun 23, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 12, 2017 | Approved

  PINS Date: Jun 4, 2021 | Public Review Date: Dec 31, 2021 | Final Action Date: Feb 17, 2022 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Oct 25, 2019 | Final Action Date: Jan 6, 2020 | Approved

  PINS Date: Aug 3, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Jan 18, 2019 | Approved

  PINS Date: Jun 12, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: May 5, 2021 | Approved

  PINS Date: Aug 18, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Apr 16, 2018 | Approved

APCO (Association of Public-Safety Communications Officials-International)

- ANSI/APCO 3.103.2-2015, Minimum Training Standards for Public Safety Telecommunicators  (revision and redesignation of ANSI/APCO 3.103.1-2010)
  PINS Date: Mar 15, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Jul 14, 2015 | Approved

  PINS Date: Sep 27, 2013 | Public Review Date: Oct 17, 2014 | Final Action Date: Jan 8, 2015 | Approved
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### APCO (Association of Public-Safety Communications Officials-International)

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<td>ANSI/APCO 1.108.1-2018</td>
<td>Minimum Operational Standards for the Use of TTY/TDD or Similar Device in the Public Safety Communications Center (new standard)</td>
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<td>ANSI/APCO 1.111.2-2013 (R2018)</td>
<td>Public Safety Communications Common Disposition Codes for Data Exchange (reaffirmation and redesignation of ANSI/APCO 1.111.1-2013)</td>
<td>Approved</td>
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<td>ANSI/APCO 1.112.1-2014</td>
<td>Best Practices for the Use of Social Media by Public Safety Communications (new standard)</td>
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<tr>
<td>ANSI/APCO 1.112.2-2020</td>
<td>Best Practices for the Use of Social Media in Public Safety Communications (revision and redesignation of ANSI/APCO 1.112.1-2014)</td>
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<td>ANSI/APCO 1.115.1-2018</td>
<td>Core Competencies, Operational Factors and Training for Next Generation Technologies in Public Safety Communications (new standard)</td>
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<td>ANSI/APCO 1.117.1-2019</td>
<td>Public Safety Communications Center Key Performance Indicators (new standard)</td>
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<td>ANSI/APCO 1.118.1-2020</td>
<td>Key Performance Indicators for Public Safety Communications Personnel (new standard)</td>
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<td>ANSI/APCO 1.119.1-2021</td>
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<td>ANSI/APCO 1.120.1-2021</td>
<td>Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators (new standard)</td>
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<td>Managing Operational Overload in the Emergency Communication Center (new standard)</td>
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<td>ANSI/APCO 2.103.2-2019</td>
<td>Public Safety Communications Common Incident Types for Data Exchange (revision and redesignation of ANSI/APCO 2.103.1-2012)</td>
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<td>ANSI/APCO 2.106.1-2019</td>
<td>Public Safety Grade site Hardening Requirements (new standard)</td>
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<td>ANSI/APCO 3.109.3-2022</td>
<td>Core Competencies and Minimum Training Standards for Public Safety Communications Manager/Director (revision and redesignation of ANSI/APCO 3.109.2-2014)</td>
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<td>ANSI/APCO/NENA 1.102.3-2020</td>
<td>Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale (revision and redesignation of ANSI/APCO/NENA 1.102.2-2010)</td>
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APCO (Association of Public-Safety Communications Officials-International)

  PINS Date: Dec 12, 2014 | Public Review Date: Dec 25, 2015 | Final Action Date: Jan 3, 2017 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 8, 2021 | Approved

API (American Petroleum Institute)

  Public Review Date: Nov 10, 2017 | Final Action Date: Dec 11, 2018 | Approved

  PINS Date: Jan 1, 2010 | Public Review Date: Nov 19, 2010 | Final Action Date: Jan 13, 2011 | Approved

  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/API Bulletin 100-3-2014, Community Engagement Guidelines (new standard)
  PINS Date: Oct 12, 2012 | Public Review Date: Oct 25, 2013 | Final Action Date: Jun 6, 2014 | Approved

  Public Review Date: Dec 14, 2018 | Final Action Date: Jan 25, 2021 | Approved

- ANSI/API MPMS Ch. 14.3.3-2012 (R2021), Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids - Concentric, Square-edged Orifice Meters, Part 3 - Natural Gas Applications (reaffirmation of ANSI/API MPMS Ch. 14.3.3-2012)
  Public Review Date: Feb 19, 2021 | Final Action Date: Jun 3, 2021 | Approved

  Public Review Date: Feb 19, 2021 | Final Action Date: Jun 3, 2021 | Approved

  PINS Date: Jul 20, 2007 | Public Review Date: Dec 18, 2015 | Final Action Date: Feb 11, 2016 | Approved

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  Public Review Date: Feb 19, 2021 | Final Action Date: Jun 15, 2021 | Approved

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  Public Review Date: Feb 28, 2020 | Final Action Date: Aug 24, 2020 | Approved

  PINS Date: Oct 4, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI/API RP 10B-6/ISO 10426-6-2010 (R2019), Recommended Practice on Determining the Static Gel Strength of Cement Formulations (reaffirm a national adoption ANSI/API RP 10B-6/ISO 10426-6-2010 (R2015))
  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 3, 2019 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: Jan 10, 2020 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: May 19, 2015 | Approved
## API (American Petroleum Institute)

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  - Public Review Date: Mar 27, 2015 | Final Action Date: Aug 18, 2015 | Approved

  - PINS Date: Aug 19, 2016 | Public Review Date: May 15, 2020 | Final Action Date: Sep 16, 2020 | Approved

- **ANSI/API Standard 537-2016**, Flare Details for Petroleum, Petrochemical and Natural Gas Industries (new standard)
  - PINS Date: Feb 20, 2015 | Public Review Date: Jan 29, 2016 | Final Action Date: Apr 25, 2016 | Approved

  - PINS Date: Dec 14, 2018 | Public Review Date: Jun 7, 2019 | Final Action Date: Jun 8, 2020 | Approved

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  - PINS Date: Apr 23, 2010 | Public Review Date: Jun 18, 2010 | Final Action Date: Aug 19, 2010 | Approved

  - PINS Date: Nov 5, 2010 | Public Review Date: Dec 31, 2010 | Final Action Date: Feb 22, 2011 | Approved

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API (American Petroleum Institute)

 Public Review Date: Oct 12, 2007 | Final Action Date: Nov 28, 2007 | Approved

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 AP Tech (ASC B65) (Association for Print Technologies)

 ANSI B65-1-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (national adoption with modifications of ISO 12643-1)
 PINS Date: Mar 25, 2011 | Public Review Date: Jun 10, 2011 | Final Action Date: Sep 12, 2011 | Approved

 ANSI B65-2-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems (national adoption of ISO 12643-2 with modifications and revision of ANSI B65.2-2005)
 PINS Date: Mar 25, 2011 | Public Review Date: Jun 10, 2011 | Final Action Date: Aug 23, 2011 | Approved

 ANSI B65-3-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (national adoption of ISO 12643-3 with modifications and revision of ANSI B65.2-2005)
 PINS Date: Mar 25, 2011 | Public Review Date: May 13, 2011 | Final Action Date: Jul 29, 2011 | Approved

 ANSI B65-5-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Stand-alone platen presses (national adoption of ISO 12643-5 with modifications and revision of ANSI B65.5-2006)
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 ANSI B65/NAPIM 177.2-2017, Safety standard - Printing ink vertical post mixers (revision of ANSI/NAPIM 177.2-2006 (R2011))
 PINS Date: Jan 20, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 15, 2017 | Approved

 AP Tech (ASC CGATS) (Association for Print Technologies)

 ANSI CGATS 12642-1 (IT8.7/3)-2015 (R2020), Graphic technology — Input data for characterization of four-colour process printing — Part 1: Initial data set (reaffirm a national adoption ANSI CGATS 12642-1 (IT8.7/3)-2015)
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ANSI CGATS.5-2018, Graphic technology - Spectral measurement and colorimetric computation for graphic arts images (identical national adoption of ISO 13655 and revision of ANSI CGATS.5-2009)
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ANSI CGATS.7-2003 (R2013), Graphic technology - Pallet loading for printed materials (reaffirmation of ANSI CGATS.7-2003 (R2008))
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ANSI CGATS.9-2019, Graphic technology - Graphic arts transmission densitometry measurements, Terminations, image elements and procedures (revision of ANSI CGATS.9-2007 (R2012))
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ANSI CGATS/ISO 12641-1-2018, Graphic technology - Prepress digital data exchange - Colour targets for input scanner calibration - Part 1: Colour targets for input scanner calibration (identical national adoption of ISO 12641-1)
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ANSI IT8.6-2017, Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (revision of ANSI IT8.6-2002 (R2013))
PINS Date: Nov 11, 2016 | Public Review Date: Feb 10, 2017 | Final Action Date: Sep 15, 2017 | Approved

ANSI IT8.7/5-2019, Graphic technology - Input data for characterization of 4-color process printing - Extended data set (new standard)
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ANSI/CGATS 21-2-2013, Graphic technology - Printing from digital data across multiple technologies - Part 2: Reference characterization data-2012 (new standard)
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APTech (ASC CGATS) (Association for Print Technologies)

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- ANSI/CGATS.4-2011 (R2016), Graphic technology - Graphic arts reflection densitometry measurements - Terminology, equations, image elements and procedures (reaffirmation of ANSI CGATS.4-2011)
  Public Review Date: Aug 5, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/CGATS/ISO 12639 Amd1-2006, Graphic technology - Prepress digital data exchange - Tag image file format for image technology (TIFF/IT) - Amendment 1 (identical national adoption of ISO 12639:2004 AMD1)
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- ANSI/CGATS/ISO 15790-2005 (R2013), Graphic technology and photography - Certified reference materials for reflection and transmission metrology - Documentation and procedures for use, including determination of combined standard uncertainty (reaffirm a national adoption ANSI/CGATS/ISO 15790-2005 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/CGATS/ISO 15930-4-2004 (R2021), Graphic technology — Prepress digital data exchange using PDF — Part 4: Complete exchange of CMYK and spot colour printing data using PDF 1.4 (PDF/X-1a) (reaffirm a national adoption ANSI/CGATS/ISO 15930-4-2004 (R2018))
  Public Review Date: Feb 26, 2021 | Final Action Date: Sep 27, 2021 | Approved

- ANSI/CGATS/ISO 15930-6-2004 (R2017), Graphic technology Prepress digital data exchange using PDF Part 6: Complete exchange printing data suitable for colour-manage workflows using PDF 1.4 (PDF/X-3) (reaffirm a national adoption ANSI CGATS/ISO 15930-6-2004 (R2009))
  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 5, 2018 | Approved

- ANSI/CGATS/ISO 15930-7-2010 (R2021), Graphic technology — Prepress digital data exchange using PDF Part 7: Complete exchange of printing data (PDF/X4) and partial exchange of printing data with external profile reference (PDF/X4p) using PDF 1.6 (reaffirm a national adoption ANSI/CGATS/ISO 15930-7-2010 (R2016))
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- 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))
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ASA (ASC S1) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | w: www.acousticalsociety.org

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- ANSI/ASA S1.13-2020, Measurement of Sound Pressure Levels in the Air (new standard)
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ASA (ASC S1) (Acoustical Society of America)

- ANSI/ASA S1.15, Part 7-2021/IEC TS 61094-7-2006, Electroacoustics - Measurement microphones - Part 7: Values for the difference between free field and pressure sensitivity levels of laboratory standard microphones (identical national adoption of IEC TS 61094-7:2006)
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- ANSI/ASA S1.18-2018, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2010)
  PINS Date: Apr 4, 2014 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

- ANSI/ASA S1.20-2012 (R2020), Procedures for Calibration of Underwater Electroacoustic Transducers (reaffirmation of ANSI/ASA S1.20-2012)
  Public Review Date: Mar 20, 2020 | Final Action Date: May 28, 2020 | Approved

- ANSI/ASA S1.22-2021/IEC 60263-2020, Scales and sizes for plotting frequency characteristics and polar diagrams (identical national adoption of IEC 60263-2020)
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- ANSI/ASA S1.6-2020, Preferred Frequencies and Filter Band Center Frequencies for Acoustical Measurements  (reaffirmation of ANSI ASA S1.6-2016)
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- ANSI/ASA S1.8-2016 (R2020), Reference Values for Levels Used in Acoustics and Vibrations  (reaffirmation of ANSI/ASA S1.8-2016)
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ASA (ASC S12) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY  11747 | w: www.acousticalsociety.org

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- ANSI/ASA S12.2-2019, Criteria for Evaluating Room Noise (new standard)
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- ANSI/ASA S12.51-2012/ISO 3741-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (reaffirm a national adoption ANSI/ASA S12.51-2012/ISO 3741-2010 (R2017))
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### Approved American National Standards

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ASA (ASC S2) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY 11747 | w: www.acousticalsociety.org

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- ANSI/ASA S2.16-1997 (R2020), Vibratory Noise Measurements and Acceptance Requirements for Shipboard Equipment (reaffirmation of ANSI/ASA S2.16-1997 (R2016))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

- ANSI/ASA S2.2-1959 (R2020), Methods for the Calibration of Shock and Vibration Pickups (reaffirmation of ANSI/ASA S2.2-1959 (R2016))
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### Approved American National Standards

ASA (ASC S2) (Acoustical Society of America)

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<td>ANSI/ASA S2.75-2021/Part 3, Shaft Alignment Methodology, Part 3: Alignment of Vertically Oriented Rotating Machinery (new standard)</td>
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- ANSI/ASA S2.9-2008 (R2018), Parameters for Specifying Damping Properties of Materials and System Damping (reaffirmation of ANSI/ASA S2.9-2008 (R2013))
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ASA (ASC S3) (Acoustical Society of America)

1305 Walt Whitman Road, Suite 300, Melville, NY  11747 | w: www.acousticalsociety.org

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- ANSI/ASA S3.22-2014 (R2020), Specification of Hearing Aid Characteristics (reaffirmation of ANSI ASA S3.22-2014)
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- **ANSI/ASA S3.36-2012 (R2018)**, Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI/ASA S3.36-2012)
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- **ANSI/ASA S3.4-2007 (R2020)**, Procedure for the Computation of Loudness of Steady Sounds (reaffirmation of ANSI/ASA S3.4-2007 (R2017))
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- **ANSI/ASA S3.41-2015 (R2020)**, Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI ASA S3.41-2015)
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- **ANSI/ASA S3.5-1997 (R2020)**, Methods for Calculation of the Speech Intelligibility Index (reaffirmation of ANSI/ASA S3.5-1997 (R2017))
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ASA (Acoustical Society of America)

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- ANSI/ASA S3.52-2016 (R2020), Measurements of the Threshold of Hearing and Signal Detectability in a Sound Field (reaffirmation of ANSI ASA S3.52-2016)
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- ANSI/ASA S3.6-2018, Specification for Audiometers (revision of ANSI/ASA S3.6-2010)
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- ANSI/ASA S3.7-2016 (R2020), Method for Measurement and Calibration of Earphones (reaffirmation of ANSI ASA S3.7-2016)
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- ANSI/ASA S3.71-2019, Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (new standard)
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ASABE (American Society of Agricultural and Biological Engineers)

2950 Niles Road, Saint Joseph, MI  49085-9659 | w: https://www.asabe.org/

- ANSI/ASABE AD10448-NOV2014 (R2018), Agricultural tractors  Hydraulic pressure for implements (reaffirm a national adoption ANSI/ASABE AD10448-2014)
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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASABE AD11684-1995 APR2011 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Safety signs and hazard pictorials - General principles (reaffirmation of ANSI/ASABE AD11684-1995 APR2011 (R2016))
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- ANSI/ASABE AD26322-2-JUN2017 (R2022), Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (reaffirm a national adoption ANSI/ASABE AD26322-2-JUN2017)
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- ANSI/ASABE AD3600:2016 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format (reaffirm a national adoption ANSI/ASABE AD3600:2016)
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- ANSI/ASABE AD4254-12-JUL2016 (R2020), Agricultural machinery — Safety — Part 12: Rotary disc and drum mowers and flail mowers (reaffirm a national adoption ANSI/ASABE AD4254-12-JUL2016)
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- ANSI/ASABE AD500-2-OCT2016 (R2020), Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASABE AD500-2-OCT2016)
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ASABE (American Society of Agricultural and Biological Engineers)

  - Public Review Date: Nov 2, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/ASABE AD5674-2004 SEP2015 (R2019), Tractors and machinery for agricultural and forestry — Guards for power take-off (PTO) drive shafts — Strength and wear tests and acceptance criteria (reaffirm a national adoption ANSI/ASABE AD5674:2015)
  - Public Review Date: Nov 1, 2019 | Final Action Date: Dec 19, 2019 | Approved

- ANSI/ASABE AD5675-2016 (R2020), Agricultural tractors and machinery — General purpose quick-action hydraulic couplers (reaffirm a national adoption ANSI/ASABE AD5675-2016)
  - Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

  - Public Review Date: Oct 2, 2020 | Final Action Date: Nov 17, 2020 | Approved

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

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  - Public Review Date: Nov 1, 2019 | Final Action Date: Dec 19, 2019 | Approved

  - PINS Date: Jan 18, 2019 | Public Review Date: Apr 19, 2019 | Final Action Date: Jul 29, 2019 | Approved

  - Public Review Date: Jun 24, 2016 | Final Action Date: Oct 11, 2016 | Approved

  - Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

  - PINS Date: Jan 18, 2019 | Public Review Date: Apr 19, 2019 | Final Action Date: Aug 8, 2019 | Approved

  - PINS Date: Jan 18, 2019 | Public Review Date: Apr 19, 2019 | Final Action Date: Aug 8, 2019 | Approved

- ANSI/ASABE D606-2020, Properties and Relationships for Distillers Dried Grains with Solubles (DDGS) (new standard)
  - PINS Date: Jan 23, 2009 | Public Review Date: Jul 3, 2020 | Final Action Date: Oct 6, 2020 | Approved
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The data in this document is reported as of Tuesday, February 22, 2022

ASABE (American Society of Agricultural and Biological Engineers)

  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 28, 2022 | Approved

- ANSI/ASABE S641-MAY2018, Droplet Size Classification of Aerial Application Nozzles (new standard)
  PINS Date: Apr 3, 2015 | Public Review Date: Feb 23, 2018 | Final Action Date: May 21, 2018 | Approved

  PINS Date: Jun 19, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Sep 21, 2018 | Approved

- ANSI/ASABE S647-OCT2018, Seed Cotton Module Identification System (new standard)
  PINS Date: Nov 6, 2015 | Public Review Date: Jul 20, 2018 | Final Action Date: Oct 22, 2018 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 19, 2020 | Approved

- ANSI/ASABE S648-2 MONYEAR-2020, Agricultural Field Equipment Braking – Part 2: Requirements for Agricultural Tractors (new standard)
  PINS Date: Feb 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Jan 1, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASABE S648-5 MONYEAR-2020, Agricultural Field Equipment Braking – Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (new standard)
  PINS Date: Feb 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 19, 2020 | Approved

- ANSI/ASABE S648-5.1 MONYEAR-2021, Agricultural Field Equipment Braking — Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (revision and redesignation of ANSI/ASABE S648-5 MAR2020)
  PINS Date: Jan 1, 2021 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASABE/ASHRAE EP653 MONYEAR-2021, Heating, Ventilating, and Air Conditioning (HVAC) for Indoor Plant Environments without Sunlight (new standard)
  PINS Date: Oct 27, 2017 | Public Review Date: Jul 9, 2021 | Final Action Date: Oct 4, 2021 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Sep 25, 2017 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Sep 29, 2017 | Approved

  Public Review Date: Oct 12, 2018 | Final Action Date: Dec 31, 2018 | Approved
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<td>ANSI/ASABE/ISO 14269-4-2006</td>
<td>Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment — Part 4: Air filter element test method (reaffirm a national adoption ANSI/ASABE/ISO 14269-4-2006 (R2017))</td>
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<td>ANSI/ASABE/ISO 20383-2019 MONYEAR</td>
<td>Agricultural tractors — Instructional seat</td>
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ASABE (American Society of Agricultural and Biological Engineers)

  PINS Date: Apr 9, 2021 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 12, 2021 | Approved

  PINS Date: Oct 14, 2011 | Public Review Date: Feb 17, 2012 | Final Action Date: Jun 7, 2012 | Approved

- ANSI/ASABE/ISO 27850-2013 MAY2016 (R2020), Tractors for agriculture and forestry — Falling object protective structures — Test procedures and performance requirements (reaffirm a national adoption ANSI/ASABE/ISO 27850-2016)
  Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

  PINS Date: Nov 18, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Apr 3, 2017 | Approved

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  PINS Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

- ANSI/ASABE/ISO 500-3-2015 (R2019), Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 3: Main PTO dimensions and spline dimensions, location of PTO (reaffirm a national adoption ANSI/ASABE/ISO 500-3:2015)
  Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved
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  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

- ANSI/ASABE/NFBA S618 DEC2010 (R2020), Post Frame Building system Nomenclature (reaffirmation and redesignation of ANSI/ASABE S618 DEC2010 (R2016))
  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 30, 2020 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Oct 31, 2018 | Approved

- ANSI/ASAE D241.4-FEB93 (R2017), Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (reaffirmation of ANSI/ASAE D241.4-FEB93 (R2013))
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 28, 2017 | Approved

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

  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 30, 2017 | Approved

  Public Review Date: Oct 13, 2017 | Final Action Date: Mar 5, 2018 | 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))
  Public Review Date: Oct 11, 2019 | Final Action Date: Nov 26, 2019 | Approved

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

  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 28, 2017 | Approved
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<td>(revision and redesignation of ANSI/ASAE S315.4-2012 (R2017))</td>
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<td>Safety for Farmstead Equipment</td>
<td>(revision and redesignation of ANSI/ASAE S354.6-NOV2016)</td>
<td>May 12, 2017</td>
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<td>Moisture Measurement - Forages</td>
<td>(reaffirmation of ANSI/ASAE S358.3 MAY2012 (R2017))</td>
<td>Oct 8, 2021</td>
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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S483.2 AUG2011 (R2020), Rotary Mower Blade Ductility Test (reaffirmation of ANSI/ASAE S483.2 AUG2011 (R2016))
  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved

- ANSI/ASAE S515-JAN94 (R2017), Pallet Load Transfer System for Vegetable Harvesters, Shuttle Vehicles, and Road Trucks (reaffirmation of ANSI/ASAE S515-JAN94 (R2012))
  Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI/ASAE S521-DEC91 (R2016), Method of Determining Peanut Blanchability (reaffirmation of ANSI/ASAE S521-DEC91 (R2011))
  Public Review Date: Oct 14, 2016 | Final Action Date: Dec 2, 2016 | Approved

- ANSI/ASAE S572.3 MONYEAR-2020, Spray Nozzle Classification by Droplet Spectra (revision and redesignation of ANSI/ASAE S572.2-JUL2018)
  PINS Date: Aug 10, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Feb 24, 2020 | Approved

- ANSI/ASAE S583.2 MONYEAR-2020, Safety for Agricultural Front End Loaders (new standard)
  PINS Date: Dec 27, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI/ASAE S604.3 MONYEAR-2020, Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment (revision of ANSI/ASABE S604.2-OCT2018)
  PINS Date: May 8, 2020 | Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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

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

- ANSI/ASAE/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/ASAE EP486.3-2017)
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

ASB (ASC Z50) (American Society of Baking)

  PINS Date: Jul 22, 2011 | Public Review Date: May 20, 2016 | Final Action Date: Jul 14, 2016 | Approved

  PINS Date: May 8, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Dec 1, 2020 | Approved

ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.100-10-2021, Paper for MICR Documents (revision of ANSI X9.100-10-2016)
  PINS Date: Jan 29, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved
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ASC X9 (Accredited Standards Committee X9, Incorporated)

  PINS Date: Jul 24, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Jun 8, 2018 | Final Action Date: Aug 7, 2018 | Approved

  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI X9.100-130-2011 (R2017), Universal Interbank Batch/Bundle Ticket (reaffirmation of ANSI X9.100-130-2011)
  PINS Date: Sep 16, 2016 | Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Jun 22, 2018 | Final Action Date: Aug 10, 2018 | Approved

- ANSI X9.100-150-2010 (R2017), Check Carrier Envelopes (reaffirmation of ANSI X9.100-150-2010)
  PINS Date: Sep 16, 2016 | Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI X9.100-151-2010 (R2017), Check Correction Strips (reaffirmation of ANSI X9.100-151-2010)
  PINS Date: Sep 30, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: Nov 2, 2018 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Aug 23, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 10, 2020 | Approved

  PINS Date: Oct 7, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI X9.100-170-2010 (R2017), Check Fraud Deterrent Icon (reaffirmation of ANSI X9.100-170-2010)
  PINS Date: Oct 7, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: May 11, 2018 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 10, 2018 | Approved

  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 19, 2021 | Approved

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  PINS Date: Apr 20, 2018 | Public Review Date: Jun 8, 2018 | Final Action Date: Aug 3, 2018 | Approved
ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.100-189-2019, Savings Bond Paying Agent Virtual Stamp (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 8, 2019 | Approved

  PINS Date: Oct 26, 2018 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 16, 2021 | Approved

  PINS Date: Oct 7, 2016 | Public Review Date: Dec 2, 2016 | Final Action Date: Jan 19, 2017 | Approved

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  PINS Date: May 3, 2019 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 28, 2020 | Approved

  PINS Date: Jan 1, 2010 | Public Review Date: Apr 6, 2018 | Final Action Date: Jul 10, 2018 | Approved

  PINS Date: May 9, 2008 | Public Review Date: May 30, 2008 | Final Action Date: Oct 21, 2008 | Approved

  PINS Date: May 9, 2008 | Public Review Date: May 30, 2008 | Final Action Date: Oct 21, 2008 | Approved

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  PINS Date: Jun 19, 2015 | Public Review Date: Mar 25, 2016 | Final Action Date: May 19, 2016 | Approved

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  PINS Date: Jan 26, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Jan 14, 2021 | Approved
ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.126/ISO 17442-2013, Legal Entity Identifier (LEI) (identical national adoption of ISO 17442)
  PINS Date: Oct 19, 2012 | Public Review Date: Dec 14, 2012 | Final Action Date: Mar 13, 2013 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Dec 12, 2017 | Approved

  Public Review Date: Nov 22, 2019 | Final Action Date: Jan 28, 2020 | Approved

  Public Review Date: May 22, 2020 | Final Action Date: Jun 23, 2020 | Approved

  PINS Date: Nov 28, 2014 | Public Review Date: Jan 30, 2015 | Final Action Date: Mar 24, 2015 | Approved

  PINS Date: Aug 31, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Jan 14, 2020 | Approved

- ANSI X9.134-2-2021, Security and Data Protection for Mobile Financial Services (national adoption with modifications of ISO 12812-2)
  PINS Date: Oct 4, 2019 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Feb 9, 2018 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 15, 2020 | Approved

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  PINS Date: Jan 19, 2018 | Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

- ANSI X9.142-2020, Public Key Cryptography: The Elliptic Curve Digital Signature Algorithm (ECDSA) (new standard)
  PINS Date: Apr 27, 2018 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 10, 2020 | Approved

  PINS Date: Jun 29, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Mar 26, 2021 | Approved

  PINS Date: Jul 26, 2019 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 29, 2021 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: May 28, 2020 | Approved

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### ASC X9 (Accredited Standards Committee X9, Incorporated)

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- ANSI X9.82-4-2011 (R2017), Random Number Generation - Part 4: Random Bit Generator Constructions (reaffirmation of ANSI X9.82-4-2011)
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PINS Date: Jul 20, 2012 | Public Review Date: Nov 1, 2013 | Final Action Date: Feb 6, 2014 | Approved

PINS Date: Apr 8, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 1, 2016 | Approved

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- 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)
PINS Date: Nov 25, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

PINS Date: May 29, 2020 | Public Review Date: Jul 17, 2020 | Final Action Date: Sep 1, 2020 | Approved

ASCA (Accredited Snow Contractors Association)

4012 Kinross Lakes Parkway, #201, Valley View, OH 44125 | w: www.ascaonline.org

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

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20191 | w: www.asce.org

- ANSI/ASCE/CI 67-2017, SCHEDULE DELAY ANALYSIS STANDARD (new standard)
PINS Date: Oct 25, 2013 | Public Review Date: Feb 12, 2016 | Final Action Date: Apr 4, 2017 | Approved

- ANSI/ASCE/CI 71-2021, Identifying, Quantifying, and Proving Loss of Productivity (new standard)
PINS Date: Mar 13, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Jan 19, 2021 | Approved
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  PINS Date: Jun 28, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 2, 2016 | Approved

- ANSI/ASCE/T&D1 21-2021, Automated People Mover Standard (revision of ANSI/ASCE T&D1 21-2013)
  PINS Date: Sep 8, 2017 | Public Review Date: Jun 5, 2020 | Final Action Date: Jan 21, 2021 | Approved

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

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

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  Public Review Date: Sep 2, 2011 | Final Action Date: Jun 28, 2012 | Approved

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  Public Review Date: May 13, 2005 | Final Action Date: Jan 27, 2006 | Approved

  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 25, 2009 | Approved

- ANSI/ASHRAE 135.1c-2007, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE 135.1-2006)
  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 28, 2007 | Approved

- ANSI/ASHRAE 135.1i-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
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- ANSI/ASHRAE 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)
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- ANSI/ASHRAE 34aa-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34b-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34C-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34n-2011, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34n-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34o-2011, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34o-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34p-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34p-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34q-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34q-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34r-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34r-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34s-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34t-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34u-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34v-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34x-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34y-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34z-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34z-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 52.2a-2006, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE 52.2-1999)
  Public Review Date: Apr 18, 2003 | Final Action Date: Jan 27, 2006 | Approved

- ANSI/ASHRAE 52.2a-2014, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: Aug 23, 2013 | Final Action Date: Dec 31, 2014 | Approved

- ANSI/ASHRAE 52.2b-2008, Method of Testing General Ventilation Air-Cleaning Devices for Removal by Particle Size (addenda to ANSI/ASHRAE 52.2-2007)
  Public Review Date: Mar 16, 2007 | Final Action Date: Jul 24, 2008 | Approved

- ANSI/ASHRAE 52.2e-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE 52.2f-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE 52.2g-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE 52.2i-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE 90.4a-2018, Energy Standard for Data Centers  (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE 90.4b-2018, Energy Standard for Data Centers  (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE Addendum 135.1d-2010, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2007)
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- ANSI/ASHRAE Addendum 135.1g-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
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- ANSI/ASHRAE Addendum 161g-2013, Air Quality within Commercial Aircraft  (addenda to ANSI/ASHRAE Standard 161-2007)
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- ANSI/ASHRAE Addendum 34a-2010, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2007)
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- ANSI/ASHRAE Addendum 34a-2014, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34ac-2013, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2010)
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- **ANSI/ASHRAE Addendum 34ad-2013**, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- **ANSI/ASHRAE Addendum 34ah to Standard 34-2013**, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
  - Public Review Date: Mar 22, 2013 | Final Action Date: Jun 27, 2013 | Approved

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- ANSI/ASHRAE Addendum 34x-2009, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)  
  Public Review Date: Sep 12, 2008 | Final Action Date: Jan 29, 2009 | Approved

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- ANSI/ASHRAE Addendum 55a-2014, Thermal Environmental Conditions For Human Occupancy (addenda to ANSI/ASHRAE Standard 55-2013)  
  Public Review Date: Mar 28, 2014 | Final Action Date: Jul 31, 2014 | Approved

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- ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 185.2-2014, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces (addenda to ANSI/ASHRAE Standard 185.2-2014)
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- ANSI/ASHRAE Addendum b to ANSI/ASHRAE Standard 52.2-2014, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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- ANSI/ASHRAE Standard 127-2020, Method of Testing for Rating Air Conditioning Units Serving Data Center (DC) and Other Information Technology Equipment (ITE) Spaces (revision of ANSI/ASHRAE Standard 127-2012)
  
  PINS Date: Oct 18, 2013 | Public Review Date: Mar 27, 2020 | Final Action Date: Nov 30, 2020 | Approved

  
  PINS Date: Jul 25, 2014 | Public Review Date: Aug 25, 2017 | Final Action Date: Jun 1, 2018 | Approved

  
  PINS Date: Jul 22, 2011 | Public Review Date: Dec 25, 2015 | Final Action Date: Oct 31, 2016 | Approved

  
  PINS Date: Jul 22, 2011 | Public Review Date: Aug 29, 2014 | Final Action Date: Feb 2, 2015 | Approved

- ANSI/ASHRAE Standard 135-2016, BACnet – A Data Communication Protocol for Building Automation and Control Networks (new standard)
  
  Final Action Date: Dec 19, 1995 | Approved

- ANSI/ASHRAE Standard 135.1-2013, Method of Testing Conformance to BACnet (new standard)
  
  PINS Date: Apr 7, 2000 | Public Review Date: Jun 14, 2002 | Final Action Date: Aug 6, 2003 | Approved

  
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- ANSI/ASHRAE Standard 164.4-2021, Methods of Test for Commercial and Industrial Adiabatic Humidifiers (new standard)
  PINS Date: Feb 17, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Oct 29, 2021 | Approved

  PINS Date: Apr 11, 1997 | Public Review Date: Sep 23, 2005 | Final Action Date: Jan 27, 2006 | Approved

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  PINS Date: Jul 17, 2020 | Public Review Date: Aug 28, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/ASHRAE Standard 185.1-2015, Method of Testing UVC Lights for Use in Air Handling Units or Air Ducts to Inactivate Airborne Microorganisms (new standard)
  PINS Date: Mar 4, 2005 | Public Review Date: Jul 18, 2014 | Final Action Date: Apr 1, 2015 | Approved

- ANSI/ASHRAE Standard 185.2-2014, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces (new standard)
  PINS Date: Feb 17, 2006 | Public Review Date: Apr 5, 2013 | Final Action Date: Jul 3, 2014 | Approved

  PINS Date: Aug 19, 2005 | Public Review Date: Mar 13, 2015 | Final Action Date: Jun 26, 2015 | Approved
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  Public Review Date: Apr 11, 1997 | Final Action Date: Dec 2, 1999 | Approved

- ANSI/ASHRAE Standard 52.2a-2018, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: May 11, 2018 | Final Action Date: Aug 30, 2018 | Approved

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- ANSI/ASHRAE Standard 90.4-2016, Energy Standard for Data Centers (new standard)
  PINS Date: Jul 13, 2012 | Public Review Date: Apr 29, 2016 | Final Action Date: Jul 27, 2016 | Approved

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

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  Public Review Date: Aug 12, 2011 | Final Action Date: Feb 28, 2013 | Approved
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Jul 12, 2019 | Final Action Date: Mar 2, 2020 | Approved

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  Public Review Date: Mar 8, 2019 | Final Action Date: Mar 2, 2020 | Approved

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

  - Public Review Date: Mar 8, 2019 | Final Action Date: Jul 1, 2019 | Approved

ASIS (ASIS International)

- ANSI ASIS PSC.1-2012 (R2017), Management System for Quality of Private Security Company Operations - Requirements with Guidance (reaffirmation of ANSI ASIS PSC.1-2012)
  - Public Review Date: Apr 14, 2017 | Final Action Date: Sep 1, 2017 | Approved

- ANSI/ASIS CSO.1-2013, Chief Security Officer (CSO) - An Organizational Model (revision of ANSI/ASIS CSO.1-2008)
  - PINS Date: Jul 27, 2012 | Public Review Date: Aug 16, 2013 | Final Action Date: Nov 8, 2013 | Approved

- ANSI/ASIS INV.1-2015, Investigations (new standard)
  - PINS Date: Nov 2, 2012 | Public Review Date: Jun 5, 2015 | Final Action Date: Jul 28, 2015 | Approved

  - PINS Date: Oct 9, 2015 | Public Review Date: Dec 23, 2016 | Final Action Date: Mar 20, 2017 | Approved

- ANSI/ASIS PAP-2021, Physical Asset Protection (revision and redesignation of ANSI/ASIS PAP.1-2012)
  - PINS Date: Jul 10, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 2, 2021 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Mar 1, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI/ASIS SA-2020, Security Awareness (new standard)
  - PINS Date: Apr 1, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 11, 2020 | Approved

  - PINS Date: Dec 2, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 28, 2014 | Approved

- ANSI/ASIS WVPI AA-2020, Workplace Violence and Active Assailant - Prevention, Intervention, and Response (revision and redesignation of ANSI ASIS/SHRM WVPI.1-2011)
  - PINS Date: May 25, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 7, 2020 | Approved

- ANSI/ASIS/RIMS RA.1-2015, Risk Assessment (new standard)
  - PINS Date: Aug 1, 2008 | Public Review Date: May 22, 2015 | Final Action Date: Aug 3, 2015 | Approved

ASME (American Society of Mechanical Engineers)

- ANSI B94.21-1968 (R2019), Gear Shaper Cutters (reaffirmation of ANSI B94.21-1968 (R2014))
  - Public Review Date: Mar 22, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI CSA B44.1/ASME A17.5-2019, Elevator and Escalator Electrical Equipment (revision of ANSI CSA B44.1/ASME A17.5-2014)
  - PINS Date: Aug 3, 2018 | Public Review Date: Nov 9, 2018 | Final Action Date: Feb 15, 2019 | Approved

- ANSI/API 579-1/ASME FFS-1-2021, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2016)
  - PINS Date: Jul 14, 2017 | Public Review Date: Sep 3, 2021 | Final Action Date: Dec 7, 2021 | Approved
ASME (American Society of Mechanical Engineers)

  - Public Review Date: Jul 21, 2017 | Final Action Date: Oct 5, 2017 | Approved

- ANSI/ASME A112.1.2-2012 (R2017), Air Gaps in Plumbing Systems (for Plumbing Fixtures and Water-Connected Receptors) (reaffirmation of ANSI/ASME A112.1.2-2012)
  - Public Review Date: Feb 17, 2017 | Final Action Date: May 4, 2017 | Approved

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- ANSI/ASME A112.18.2/CSA B125.2-2020, Plumbing Waste Fittings (revision of ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019))
  - Public Review Date: Feb 21, 2020 | Final Action Date: Apr 23, 2020 | Approved

- ANSI/ASME A112.18.3-2002 (R2017), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2012))
  - Public Review Date: Feb 17, 2017 | Final Action Date: May 4, 2017 | Approved

- ANSI/ASME A112.18.6/CSA B125.6-2017 (R2021), Flexible Water Connectors (reaffirmation of ANSI/ASME A112.18.6/CSA B125.6-2017)
  - Public Review Date: Sep 3, 2021 | Final Action Date: Nov 12, 2021 | Approved

  - PINS Date: Mar 8, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ASME A112.18.9-2011 (R2017), Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures (reaffirmation of ANSI/ASME A112.18.9-2011)
  - Public Review Date: Nov 11, 2016 | Final Action Date: Feb 24, 2017 | Approved

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ASME (American Society of Mechanical Engineers)

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- ANSI/ASME A112.19.3-2017/CSA B45.4-2017, Stainless Steel Plumbing Fixtures  (revision of ANSI/ASME A112.19.3-2008/CSA B45.4-2008 (R2013))
  Public Review Date: Dec 30, 2016 | Final Action Date: Mar 10, 2017 | Approved

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- ANSI/ASME A112.3.1-2007 (R2017), Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above and Below Ground  (reaffirmation of ANSI/ASME A112.3.1-2007 (R2012))
  Public Review Date: Feb 17, 2017 | Final Action Date: May 4, 2017 | Approved

- ANSI/ASME A112.3.4-2013 /CSA B45.9-2018, Macerating Toilet Systems and Waste-Plumbing Systems for Plumbing Fixtures  (revision of ANSI/ASME A112.3.4-2013 /CSA B45.9-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Mar 23, 2018 | Final Action Date: May 31, 2018 | Approved

- ANSI/ASME A112.36.2M-2008 (R2017), Cleanouts  (reaffirmation of ANSI/ASME A112.36.2M-2008 (R2012))
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ASME (American Society of Mechanical Engineers)

- ANSI/ASME A112.4.1-2014 (R2019, Water Heater Relief Valve Drain Tubes (reaffirmation of ANSI/ASME A112.4.1 -2014)
  Public Review Date: Dec 21, 2018 | Final Action Date: Feb 27, 2019 | Approved

  PINS Date: Nov 28, 2014 | Public Review Date: Mar 31, 2017 | Final Action Date: Jun 1, 2017 | Approved

- ANSI/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 Date: Feb 26, 2021 | Final Action Date: Jun 17, 2021 | Approved

- ANSI/ASME A112.4.3-1999 (R2019), Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System (reaffirmation of ANSI/ASME A112.4.3-1999 (R2015))
  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 2, 2019 | Approved

- ANSI/ASME A112.4.4-2017, Plastic Push-Fit Drain, Waste and Vent (DWV) Fittings (new standard)
  PINS Date: Aug 19, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: May 25, 2017 | Approved

  Public Review Date: Feb 17, 2017 | Final Action Date: May 4, 2017 | Approved

- ANSI/ASME A112.6.2-2017, Framing Affixed Supports (Carriers) for Off-the-Floor Plumbing Fixtures (new standard)
  PINS Date: Sep 27, 1996 | Public Review Date: May 8, 1998 | Final Action Date: Nov 1, 2017 | Approved

- ANSI/ASME A112.6.3-2019, Floor and Trench Drains (revision of ANSI/ASME A112.6.3-2016)
  PINS Date: Jul 28, 2017 | Public Review Date: Aug 17, 2018 | Final Action Date: Jan 31, 2019 | Approved

- ANSI/ASME A112.6.4-2003 (R2012), Roof, Deck, and Balcony Drains (reaffirmation of ANSI/ASME A112.6.4-2003 (R2008))
  Public Review Date: Oct 12, 2012 | Final Action Date: Dec 17, 2012 | Approved

- ANSI/ASME A112.6.7-2010 (R2019), Sanitary Floor Sinks (reaffirmation of ANSI/ASME A112.6.7-2010 (R2015))
  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 2, 2019 | Approved

  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 2, 2019 | Approved

- ANSI/ASME A120.1-2021, Safety Requirements for Powered Platforms and Traveling Ladders and Gantry for Building Maintenance (revision of ANSI/ASME A120.1-2014)
  Public Review Date: Jan 29, 2021 | Final Action Date: Dec 14, 2021 | Approved

  PINS Date: Nov 9, 2018 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 1, 2020 | Approved

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- ANSI/ASME A17.6-2017, Standard for Elevator Suspension, Compensation and Governor Systems (revision of ANSI/ASME A17.6-2010)
  PINS Date: Apr 7, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Sep 29, 2017 | Approved

- ANSI/ASME A17.7/CSA B44.7-2006 (R2012), Performance Based Safety Code for Elevators and Escalators (reaffirmation of ANSI/ASME A17.7/CSA B44.7-2006)
  PINS Date: Dec 9, 2011 | Public Review Date: May 4, 2012 | Final Action Date: Jul 17, 2012 | Approved

- ANSI/ASME A17.8-2016/CSA B44.8-2021, Standard for wind turbine tower elevators (revision of ANSI/ASME A17.8-2016/CSA B44.8-2016)
  PINS Date: Jul 20, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Oct 27, 2021 | Approved

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- ANSI/ASME AED-1-2018, Aerospace and Advanced Engineering Drawings (new standard)
  PINS Date: Mar 9, 2018 | Public Review Date: May 25, 2018 | Final Action Date: Sep 25, 2018 | Approved

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<td>ANSI/ASME B1.11-1958 (S2021), Microscope Objective Thread</td>
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<td>ANSI/ASME B1.20.3-1976 (R2018), Dryseal Pipe Threads (Inch)</td>
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<td>ANSI/ASME B1.25-2019, Measurement Uncertainty Factors in the Calibration of Screw Thread Gages</td>
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<td>ANSI/ASME B107.100-2020, Flat Wrenches (revision of ANSI/ASME B107.100-2010)</td>
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<td>ANSI/ASME B107.400-2018, Striking Tools (new standard)</td>
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<td>ANSI/ASME B107.410-2018, Struck Tools (new standard)</td>
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<td>ANSI/ASME B107.56-2018, Body Repair Tools (new standard)</td>
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<td>ANSI/ASME B107.600-2016 (R2021), Screwdrivers and Screw Bits (reaffirmation of ANSI/ASME B107.600-2016)</td>
<td>Public Review Date: Mar 19, 2021</td>
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<td>ANSI/ASME B133.8-2011 (R2017), Gas Turbine Installation Sound Emissions (reaffirmation of ANSI/ASME B133.8-2011)</td>
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<td>ANSI/ASME B16.24-2021</td>
<td>Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves (Classes 150, 300, 600, 900, 1500, and 2500) (revision of ANSI/ASME B16.24-2016)</td>
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<td>ANSI/ASME B16.3-2021</td>
<td>Malleable Iron Threaded Fittings (Classes 150 and 300) (revision of ANSI/ASME B16.3-2016)</td>
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<td>ANSI/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)</td>
<td>Sep 15, 2017</td>
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<td>ANSI/ASME B16.36-2020, Orifice Flanges</td>
<td>Jun 26, 2020</td>
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<td>ANSI/ASME B16.38-2012 (R2017), Large Metallic Valves for Gas Distribution (Manually Operated, NPS - 2 1/2, 125 psig aximum)</td>
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<td>ANSI/ASME B16.4-2021, Gray Iron Threaded FittingsClasses 125 and 250</td>
<td>Sep 17, 2021</td>
<td>Nov 12, 2021</td>
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ASME (American Society of Mechanical Engineers)

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- ANSI/ASME B18.1.2-1972 (R2021), Large Rivets (reaffirmation of ANSI/ASME B18.1.2-1972 (R2016))
  Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved

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ANSI/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 Date: Jul 21, 2017 | Final Action Date: Oct 5, 2017 | Approved

ANSI/ASME B18.16.6-2017, Prevailing Torque Locknuts (Inch Series) (revision of ANSI/ASME B18.16.6-2014)
PINS Date: Jul 24, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Jun 1, 2017 | Approved

ANSI/ASME B18.1.16M-2004 (R2021), Prevailing-Torque Type Steel Metric Hex Nuts and Hex Flange Nuts (reaffirmation of ANSI/ASME B18.1.16M-2004 (R2016))
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ANSI/ASME B18.2.1-2012 (R2021), Square, Hex, Heavy Hex, and Askew Head Bolts, and Hex, Heavy Hex, and Hex Flange, Lobed Head, and Lag Screws (Inch Series) (reaffirmation of ANSI/ASME B18.2.1-2012)
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ANSI/ASME B18.2.2-2022, Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series) (revision of ANSI/ASME B18.2.2-2015)
PINS Date: Oct 2, 2020 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 21, 2022 | Approved

ANSI/ASME B18.2.3.9M-2001 (R2020), Metric Heavy Hex Flange Screws (reaffirmation of ANSI/ASME B18.2.3.9M-2001 (R2014))
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ANSI/ASME B18.2.5M-2013 (R2017), Metric Flanged 12-Point Head Screws (reaffirmation of ANSI/ASME B18.2.5M-2013)
Public Review Date: Jul 21, 2017 | Final Action Date: Oct 5, 2017 | Approved

ANSI/ASME B18.2.6-2019, Fasteners for Use in Structural Applications (revision, redesignation and consolidation of ANSI/ASME B18.2.6-2010, ANSI/ASME B18.2.6 (Supplement)-2010)
PINS Date: Jul 4, 2014 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 27, 2019 | Approved

ANSI/ASME B18.2.6M-2012 (R2021), Metric Fasteners for Use In Structural Applications (reaffirmation of ANSI/ASME B18.2.6M-2012)
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ANSI/ASME B18.2.8-1999 (S2021), Clearance Holes for Bolts, Screws, and Studs (stabilized maintenance of ANSI/ASME B18.2.8-1999 (R2017))
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ANSI/ASME B18.2.9-2010 (R2021), Straightness Gage and Gaging for Bolts and Screws (reaffirmation of ANSI/ASME B18.2.9-2010 (R2017))
Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

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ANSI/ASME B18.21.3-2008 (R2017), Double Coil Helical Spring Lock Washers for Wood Structures (reaffirmation of ANSI/ASME B18.21.3-2008 (R2013))
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- ANSI/ASME B18.27-1998 (S2021), Tapered and Reduced Cross Section Retaining Rings (Inch Series) (stabilized maintenance of ANSI/ASME B18.27-1998 (R2017))
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

- ANSI/ASME B18.29.1-2010 (S2021), Helical Coil Screw Thread Inserts – Free Running and Screw Locking (Inch Series) (stabilized maintenance of ANSI/ASME B18.29.1-2010 (R2017))
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

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- ANSI/ASME B18.3-2012 (R2017), Socket Cap, Shoulder, Set Screws, and Hex Keys (Inch Series) (reaffirmation of ANSI/ASME B18.3-2012)
  Public Review Date: Jul 21, 2017 | Final Action Date: Oct 5, 2017 | Approved

- ANSI/ASME B18.31.1M-2008 (R2021), Metric Continuous and Double End Studs (reaffirmation of ANSI/ASME B18.31.1M-2008 (R2016))
  PINS Date: Nov 6, 2020 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

  Public Review Date: Aug 16, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/ASME B18.31.3-2014 (R2019), Threaded Rod (Inch Series) (reaffirmation of ANSI/ASME B18.31.3-2014)
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- ANSI/ASME B18.31.5-2011 (R2021), Bent Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.31.5-2011 (R2016))
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/ASME B18.5-2012 (R2017), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012)
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- ANSI/ASME B18.6.2-2020, Square Head Set Screws, And Slotted Headless Set Screws (Inch Series) (revision of ANSI/ASME B18.6.2-1998 (R2010))
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- ANSI/ASME B18.6.3-2013 (R2017), Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.3-2013)
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## Approved American National Standards

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- ANSI/ASME B29.21-2013 (R2018), 700 Class Chains, Attachments and Sprocket Teeth for Water and Sewage Treatment Plants (reaffirmation of ANSI/ASME B29.21-2013)
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- ANSI/ASME B29.8-2010 (R2017), Leaf Chains, Clevises and Sheaves (reaffirmation of ANSI/ASME B29.8-2010)
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- ANSI/ASME B30.18-2021, Stacker Cranes (Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley Hoist) (revision of ANSI/ASME B30.18-2016)
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- ANSI/ASME B30.2-2022, Overhead and Gantry Cranes (Top Running Bridge, Top Running Hoist) (revision of ANSI/ASME B30.2-2016)
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- ANSI/ASME B30.3-2016, Tower Cranes (revision of ANSI/ASME B30.3-2012)
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- ANSI/ASME B30.3-2019, Tower Cranes (revision of ANSI/ASME B30.3-2016)
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- ANSI/ASME B30.30-2019, Ropes (new standard)
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- ANSI/ASME B30.5-2018, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2014)
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- ANSI/ASME B30.5-2021, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2018)
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- ANSI/ASME B30.6-2020, Derricks (revision of ANSI/ASME B30.6-2015)
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- ANSI/ASME B30.7-2021, Winches (revision of ANSI/ASME B30.7-2016)
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- ANSI/ASME B4.1-1967 (R2020), Preferred Limits And Fits For Cylindrical Parts (new standard)
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- ANSI/ASME B4.2-1978 (R2020), Preffered Metric Limits And Fits (new standard)
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- ANSI/ASME B40.100-2013, Pressure Gauges and Gauge Attachments (revision of ANSI/ASME B40.100-2005 (R2011))
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- ANSI/ASME B40.200-2008 (R2013), Thermometers, Direct Reading and Remote Reading (reaffirmation of ANSI/ASME B40.200-2008)
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- ANSI/ASME B47.1-2007 (R2012), Gage Blanks (reaffirmation of ANSI/ASME B47.1-2007)
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- ANSI/ASME B5.11-1964 (R2018), Spindle Noses and Adjustable Adaptors for Multiple Spindle Drilling Heads (reaffirmation of ANSI/ASME B5.11-1964 (R2013))
  Public Review Date: Mar 30, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/ASME B5.18-1972 (S2019), Spindle Noses and Tool Shanks for Milling Machines (stabilized maintenance of ANSI/ASME B5.18-1972 (R2014))
  Public Review Date: Jan 4, 2019 | Final Action Date: Mar 22, 2019 | Approved

- ANSI/ASME B5.1M-1985 (S2018), T-Slots – Their Bolts, Nuts, and Tongues (stabilized maintenance of ANSI/ASME B5.1M-1985 (R2014))
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- ANSI/ASME B5.48-1977 (S2018), Ball Screws (stabilized maintenance of ANSI/ASME B5.48-1977 (R2013))
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- ANSI/ASME B5.50-2015, 7/24 Taper Tool to Spindle Connection for Automatic Tool Change (revision of ANSI/ASME B5.50-2009)
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- ANSI/ASME B5.54-2010 (R2020), Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers (reaffirmation of ANSI/ASME B5.54-2010 (R2015))
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- ANSI/ASME B5.57-2012 (R2017), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers (reaffirmation of ANSI/ASME B5.57-2012)
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- ANSI/ASME B5.60-2014 (R2019), Workholding Chucks: Jaw Type Chucks (reaffirmation of ANSI/ASME B5.60-2014)
  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 28, 2019 | Approved

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- ANSI/ASME B5.62M-2016 (R2022), Hollow Taper Tooling With Flange-Face Contact (reaffirmation and redesignation of ANSI/ASME B5.62-2016)
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- ANSI/ASME B5.8-2001 (R2016), Chucks and Chuck Jaws (reaffirmation of ANSI/ASME B5.8-2001 (R2011))
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- ANSI/ASME B73.2-2016, Specification for Vertical In-Line Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.2-2003 (R2008))
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- ANSI/ASME B73.3-2015, Specification for Sealless Horizontal End Suction Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2003 (R2008))
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- ANSI/ASME B89.1.10M-2001 (R2021), Dial Indicators for Linear Measurements (reaffirmation of ANSI/ASME B89.1.10M-2001 (R2016))
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## ANSI/ASME B89.1.13-2013, Micrometers (revision of ANSI/ASME B89.1.13-2001 (R2006))
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## ANSI/ASME B89.1.14-2018, Calipers (new standard)
- PINS Date: Aug 20, 2004 | Public Review Date: Dec 8, 2017 | Final Action Date: Feb 27, 2018 | Approved

## ANSI/ASME B89.1.17-2001 (R2017), Measurement of Thread Measuring Wires (reaffirmation of ANSI/ASME B89.1.17-2001 (R2007))
- PINS Date: Jun 8, 2012 | Public Review Date: Jun 16, 2017 | Final Action Date: Aug 21, 2017 | Approved

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

## ANSI/ASME B89.1.6-2002 (R2017), Measurement of Plain Internal Diameter for Use as Master Ring or Ring Gauges (reaffirmation of ANSI/ASME B89.1.6-2002 (R2012))
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## ANSI/ASME B89.1.7-2009 (R2019), Performance Standard For Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2014))
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## ANSI/ASME B89.1.8-2011 (R2021), Performance Evaluation of Displacement-Measuring Laser Interferometers (reaffirmation of ANSI/ASME B89.1.8-2011 (R2016))
- Public Review Date: Mar 19, 2021 | Final Action Date: May 25, 2021 | Approved

## ANSI/ASME B89.1.9-2002 (R2012), Gage Blocks (reaffirmation of ANSI/ASME B89.1.9-2002 (R2007))
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## ANSI/ASME B89.3.4-2010 (R2019), Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B89.3.4-2010 (R2015))
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## ANSI/ASME B89.3.7-2013 (R2018), Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013)
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## ANSI/ASME B89.4.10-2021, Methods for Performance Evaluation of Coordinate Measuring System Software (revision of ANSI/ASME B89.4.10-2000 (R2011))
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## ANSI/ASME B89.4.22-2004 (R2019), Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines (CMM) (reaffirmation of ANSI/ASME B89.4.22-2004 (2014))
- Public Review Date: Nov 30, 2018 | Final Action Date: Mar 8, 2019 | Approved

## ANSI/ASME B89.4.23-2020, X-Ray Computed Tomography (CT) Performance Evaluation Standard (new standard)
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## ANSI/ASME B89.6.2-1973 (R2017), Temperature and Humidity Environment for Dimensional Measurement (reaffirmation of ANSI/ASME B89.6.2-1973 (R2012))
- Public Review Date: May 5, 2017 | Final Action Date: Jul 11, 2017 | Approved

## ANSI/ASME B89.7.2-2014 (R2019), Dimensional Measurement Planning (reaffirmation of ANSI/ASME B89.7.2-2014)
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- ANSI/ASME B89.7.3.1-2001 (R2019), Guidelines For Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications (reaffirmation of ANSI/ASME B89.7.3.1-2001 (R2011))
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- ANSI/ASME B89.7.3.2-2002 (R2017), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.2-2002 (R2012))
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- ANSI/ASME B89.7.6-2019, Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Dimensional Measuring Instruments to their Accuracy Specifications (new standard)
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- ANSI/ASME B94.35-1972 (R2020), Drill Drivers, Split-sleeve, Collet Type (reaffirmation of ANSI/ASME B94.35-1972 (R2015))
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- ANSI/ASME B94.51M-2010 (S2016), Specifications for Band Saw Blades (Metal Cutting) (stabilized maintenance of ANSI/ASME B94.51M-2010 (R2015))
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- ANSI/ASME B94.52M-1999 (S2016), Specifications for Hacksaw Blades (stabilized maintenance of ANSI/ASME B94.52M-1999 (R2015))
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- ANSI/ASME B94.6-1984 (S2016), Knurling (stabilized maintenance of ANSI/ASME B94.6-1984 (R2014))
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- ANSI/ASME B94.7-1980 (S2016), Hobs (stabilized maintenance of ANSI/ASME B94.7-1980 (R2015))
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- ANSI/ASME B94.9-2008 (R2018), Taps: Ground and Cut Threads with Cut Thread Appendix (Inch and Metric Sizes) (reaffirmation of ANSI/ASME B94.9-2008 (R2013))
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- ANSI/ASME BPE-2016, Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)
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- ANSI/ASME BPVC Section I-2021, Rules for Construction of Power Boilers (revision of ANSI/ASME BPVC Section I-2019)
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- ANSI/ASME BPVC Section II-2019 (Parts A, B, and D), Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2017 (Parts A, B, and D))
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- ANSI/ASME BPVC Section III-2021, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2019)
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- ANSI/ASME BPVC Section IX-2021, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2019)
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- ANSI/ASME BPVC Section V-2021, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2019)
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- ANSI/ASME BPVC Section VI-2017, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2015)
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- ANSI/ASME BPVC Section VI-2019, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2017)
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- ANSI/ASME BPVC Section VI-2021, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2019)
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- ANSI/ASME BPVC Section VII-2019, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2017)
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- ANSI/ASME BPVC Section VII-2021, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2019)
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<td>ANSI/ASME BPVC Section XII-2021, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2019)</td>
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  Public Review Date: Jul 20, 2018 | Final Action Date: Sep 25, 2018 | Approved

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  Public Review Date: Feb 24, 2017 | Final Action Date: May 11, 2017 | Approved

  Public Review Date: Jun 24, 2016 | Final Action Date: Sep 23, 2016 | Approved

  Public Review Date: Jul 6, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/ASME MFC-5.3-2013 (R2018), Measurement of Liquid Flow in Closed Conduits Using Doppler Ultrasonic Flowmeters (reaffirmation of ANSI/ASME MFC-5.3-2013)
  Public Review Date: Mar 30, 2018 | Final Action Date: Jul 20, 2018 | Approved

  Public Review Date: Mar 30, 2018 | Final Action Date: Jul 18, 2018 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: May 21, 2021 | Approved

  Public Review Date: Jul 8, 2016 | Final Action Date: Oct 11, 2016 | Approved

  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 30, 2021 | Approved
ASME (American Society of Mechanical Engineers)

  PINS Date: Mar 24, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Nov 1, 2017 | Approved

  PINS Date: Jan 11, 2013 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 13, 2018 | Approved

  Public Review Date: Jul 24, 2020 | Final Action Date: Dec 9, 2020 | Approved

- ANSI/ASME NM-3-2018, Nonmetallic Materials (new standard)
  PINS Date: Jan 25, 2013 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 16, 2018 | Approved

  Public Review Date: Jul 24, 2020 | Final Action Date: Oct 29, 2020 | Approved

  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 11, 2020 | Approved

  PINS Date: Jul 2, 2010 | Public Review Date: Mar 1, 2019 | Final Action Date: Jun 5, 2019 | Approved

  Public Review Date: Jun 19, 2020 | Final Action Date: Aug 24, 2020 | Approved

  Public Review Date: Sep 1, 2017 | Final Action Date: Dec 6, 2017 | Approved

  Public Review Date: Apr 12, 2019 | Final Action Date: Sep 4, 2019 | Approved

- ANSI/ASME NQA-1-2022, Quality Assurance Requirements for Nuclear Facility Applications (revision of ANSI/ASME NQA-1-2019)
  Public Review Date: Oct 29, 2021 | Final Action Date: Feb 2, 2022 | Approved

- ANSI/ASME NUM-1-2016, Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type) (revision of ANSI/ASME NUM-1-2009)
  Public Review Date: Dec 25, 2015 | Final Action Date: Jun 16, 2016 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: May 11, 2020 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: Dec 14, 2018 | Final Action Date: May 3, 2019 | Approved

  Public Review Date: Nov 9, 2018 | Final Action Date: Mar 25, 2019 | Approved
### ASME (American Society of Mechanical Engineers)

- **ANSI/ASME PCC-1-2019, Guidelines for Pressure Boundary Bolted Flange Joint Assembly**  (revision of ANSI/ASME PCC-1-2013)
  - PINS Date: Dec 2, 2016 | Public Review Date: Oct 5, 2018 | Final Action Date: Jan 17, 2019 | Approved

  - Public Review Date: Feb 16, 2018 | Final Action Date: Aug 8, 2018 | Approved

  - PINS Date: Jun 17, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: May 11, 2017 | Approved

- **ANSI/ASME PDS-1.1-2013, Product Definition Standards (PDS) - Dimensioning, Tolerancing, Surface Texture, and Metrology Standards - Rules for Drawings with Incomplete Reference to Applicable Drawing Standard**  (new standard)
  - PINS Date: Apr 13, 2012 | Public Review Date: May 24, 2013 | Final Action Date: Dec 20, 2013 | Approved

  - Public Review Date: Nov 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

- **ANSI/ASME POM 102-2014 (R202x), Operating Walkdowns of Power Plants**  (reaffirmation of ANSI/ASME POM 102-2014)
  - Public Review Date: Aug 16, 2019 | Final Action Date: Oct 31, 2019 | Approved

- **ANSI/ASME PTC 1-2022, Performance Test Codes - General Instructions**  (revision of ANSI/ASME PTC 1-2015)
  - PINS Date: Jul 28, 2017 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 18, 2022 | Approved

  - Public Review Date: Dec 20, 2013 | Final Action Date: Mar 14, 2014 | Approved

  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 27, 2018 | Approved

  - Public Review Date: Jun 26, 2020 | Final Action Date: Sep 10, 2020 | Approved

- **ANSI/ASME PTC 12.2-2010 (R2020), Steam Surface Condensers**  (reaffirmation of ANSI/ASME PTC 12.2-2010 (R2015))
  - Public Review Date: Feb 14, 2020 | Final Action Date: Apr 23, 2020 | Approved

  - Public Review Date: Apr 12, 2019 | Final Action Date: Jun 18, 2019 | Approved

  - Public Review Date: Apr 12, 2019 | Final Action Date: Jul 19, 2019 | Approved

  - PINS Date: Sep 10, 2010 | Public Review Date: Apr 17, 2015 | Final Action Date: Jul 6, 2015 | Approved

  - PINS Date: Oct 8, 2010 | Public Review Date: Feb 16, 2018 | Final Action Date: Jul 20, 2018 | Approved
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The data in this document is reported as of Tuesday, February 22, 2022

### ASME (American Society of Mechanical Engineers)

- **ANSI/ASME PTC 55-2013 (R2018), Gas Turbine Aircraft Engines** (reaffirmation of ANSI/ASME PTC 55-2013)
  - Public Review Date: Apr 20, 2018 | Final Action Date: Aug 13, 2018 | Approved

- **ANSI/ASME PTC 6-2004 (R2014), Steam Turbines** (reaffirmation of ANSI/ASME PTC 6-2004)
  - Public Review Date: Jan 24, 2014 | Final Action Date: Apr 8, 2014 | Approved

- **ANSI/ASME PTC 6.2-2011 (R2016), Steam Turbines in Combined Cycles** (reaffirmation of ANSI/ASME PTC 6.2-2011)
  - Public Review Date: Jan 15, 2016 | Final Action Date: Mar 24, 2016 | Approved

  - Public Review Date: Mar 19, 2021 | Final Action Date: May 27, 2021 | Approved

  - Public Review Date: Mar 8, 2019 | Final Action Date: Aug 9, 2019 | Approved

  - Public Review Date: Apr 12, 2019 | Final Action Date: Jun 28, 2019 | Approved

- **ANSI/ASME PVHO-1-2016, Safety Standard for Pressure Vessels for Human Occupancy** (revision of ANSI/ASME PVHO-1-2012)
  - Public Review Date: Oct 30, 2015 | Final Action Date: Jan 20, 2016 | Approved

  - Public Review Date: Oct 4, 2019 | Final Action Date: Dec 4, 2019 | Approved

  - Public Review Date: Sep 25, 2015 | Final Action Date: Jan 6, 2016 | Approved

  - Public Review Date: Oct 4, 2019 | Final Action Date: Dec 4, 2019 | Approved

  - Public Review Date: Jun 9, 2017 | Final Action Date: Jun 29, 2018 | Approved

- **ANSI/ASME QME-1-2017, Qualification of Active Mechanical Equipment Used in Nuclear Power Plants** (revision of ANSI/ASME QME-1-2012)
  - Public Review Date: Dec 23, 2016 | Final Action Date: Mar 21, 2017 | Approved

  - Public Review Date: Dec 26, 2014 | Final Action Date: Mar 2, 2015 | Approved

  - Public Review Date: Dec 21, 2018 | Final Action Date: Nov 15, 2019 | Approved

  - PINS Date: May 11, 2018 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 19, 2020 | Approved
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<td>(new standard) PINS Date: Jul 23, 2010</td>
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<td>ANSI/ASME V&amp;V 10-2019, Standard for Verification and Validation in Computational Solid Mechanics</td>
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### ASPE (American Society of Plumbing Engineers)

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ASPE (American Society of Plumbing Engineers)

  PINS Date: May 31, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Aug 3, 2015 | Approved

- ANSI/ASPE 45-2018, Siphonic Roof Drainage (revision of ANSI/ASPE 45-2013)
  PINS Date: Sep 1, 2017 | Public Review Date: Jan 11, 2019 | Final Action Date: Feb 22, 2019 | Approved

  PINS Date: Nov 13, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Feb 25, 2021 | Approved

  PINS Date: Jan 27, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Sep 25, 2017 | Approved

  PINS Date: Jan 27, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Oct 11, 2017 | Approved

ASQ (American Society for Quality)

  PINS Date: Dec 20, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Aug 6, 2020 | Approved

- ANSI/ASQ G1-2021, Guidelines for Evaluating the Quality of Government Operations and Services (new standard)
  PINS Date: Oct 2, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 22, 2021 | Approved

- ANSI/ASQ ID1-2021, Inspection techniques and requirements - Guidelines (new standard)
  PINS Date: May 24, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Aug 23, 2021 | Approved

- ANSI/ASQ S3-2012 (R2017), An attribute chain sampling program (reaffirmation of ANSI/ASQ S3-2012)
  Public Review Date: Jun 2, 2017 | Final Action Date: Jul 28, 2017 | Approved

- ANSI/ASQ Z1.11-2011 (R2016), Quality management system standards - Requirements for education organizations (reaffirmation of ANSI/ASQ Z1.11-2011)
  Public Review Date: Apr 15, 2016 | Final Action Date: Jun 9, 2016 | Approved

- ANSI/ASQ ISO 26000-2010, Guidance on Social Responsibility (identical national adoption of ISO 26000)
  PINS Date: Aug 6, 2010 | Public Review Date: Nov 26, 2010 | Final Action Date: Mar 18, 2011 | Approved

- ASQ/ANSI E4-2014 (R2019), Quality management systems for environmental information and technology programs—Requirements with guidance for use (reaffirmation of ANSI/ASQ E4:2014)
  Public Review Date: Mar 8, 2019 | Final Action Date: May 23, 2019 | Approved

ASQ (ASC Z1) (American Society for Quality)

  PINS Date: Jan 19, 2018 | Public Review Date: Mar 23, 2018 | Final Action Date: May 24, 2018 | Approved

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PINS Date: Oct 22, 2004 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 3, 2007 | Approved

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PINS Date: Apr 29, 2005 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 3, 2007 | Approved

- ANSI/ISO/ASQ E14025-2006, Environmental labels and declarations - Type III environmental declarations - Principles and procedures (identical national adoption of ISO 14025)
PINS Date: Jun 9, 2006 | Public Review Date: Jul 21, 2006 | Final Action Date: Sep 28, 2006 | Approved

PINS Date: May 5, 2006 | Public Review Date: Jun 30, 2006 | Final Action Date: Aug 16, 2006 | Approved

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  PINS Date: Mar 9, 2012 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 27, 2014 | Approved

- ASQ/ANSI/ISO 14065:2013, Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (identical national adoption of ISO 14065:2013)
  PINS Date: May 16, 2014 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 22, 2014 | Approved

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<td>ANSI ASSE A10.27-1998 (R2017), Hot Mix Asphalt Facilities</td>
<td>Public Review Date: Mar 17, 2017</td>
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<td>ANSI ASSE A10.9-2013 (R2018), Safety Requirements for Concrete and Masonry Work</td>
<td>Public Review Date: Feb 16, 2018</td>
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<td>ANSI/ASSE A10.1-2011 (R2017), Pre-Project &amp; Pre-Task Safety and Health Planning</td>
<td>Public Review Date: Aug 4, 2017</td>
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<td>ANSI/ASSE A10.10-2015, Safety Requirements for Temporary and Portable Space Heating Devices and Equipment</td>
<td>Public Review Date: May 22, 2015</td>
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<td>ANSI/ASSE A10.11-2016, Safety Requirements for Personnel Nets</td>
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<td>ANSI/ASSE A10.12-1998 (R2016), Safety Requirements for Excavation</td>
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ASSP (ASC A10) (American Society of Safety Professionals)

  PINS Date: Jul 30, 2004 | Public Review Date: Apr 15, 2016 | Final Action Date: Aug 3, 2016 | Approved

- ANSI/ASSE A10.49-2015, Control of Health Hazards in Construction and Demolition Operations (new standard)
  PINS Date: Jun 13, 2008 | Public Review Date: Nov 7, 2014 | Final Action Date: Apr 15, 2015 | Approved

- ANSI/ASSE A10.6-2006 (R2016), Safety & Health Program Requirements for Demolition Operations (reaffirmation of ANSI/ASSE A10.6-2006)
  PINS Date: Jul 31, 2009 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 12, 2019 | Approved

  PINS Date: Sep 8, 2017 | Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ASSP A10.3-2020, Safety Requirements for Powder-Actuated Fastening Systems (revision and redesignation of ANSI/ASSE A10.3-2013)
  PINS Date: Jun 1, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 20, 2020 | Approved

- ANSI/ASSP A10.30-2020, Safety Requirements for the Installation of Anchors and Micropiles (new standard)
  PINS Date: Jan 25, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Jul 22, 2020 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/ASSP A10.34-2021, Protection of the Public on or Adjacent to Construction Sites (revision and redesignation of ANSI/ASSE A10.34-2001 (R2012))
  PINS Date: Jun 1, 2018 | Public Review Date: Nov 20, 2020 | Final Action Date: Feb 1, 2021 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/ASSP A10.38-2021, Basic Elements of an Employer’s Program to Provide a Safe and Healthful Work Environment on Construction and Demolition Sites (revision and redesignation of ANSI/ASSE A10.38-2013)
  PINS Date: May 22, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

  Public Review Date: Jul 27, 2018 | Final Action Date: Sep 27, 2018 | Approved

- ANSI/ASSP A10.44-2020, Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations (revision and redesignation of ANSI/ASSE A10.44-2014)
  PINS Date: Feb 8, 2019 | Public Review Date: Dec 27, 2019 | Final Action Date: Feb 13, 2020 | Approved

  PINS Date: Aug 24, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Jan 9, 2020 | Approved
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ASSP (ASC A10) (American Society of Safety Professionals)

PINS Date: May 22, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/ASSP A10.5-2020, Safety Requirements for Material Hoists (revision of ANSI/ASSP A10.5-2013)
PINS Date: May 23, 2014 | Public Review Date: May 15, 2020 | Final Action Date: Jul 7, 2020 | Approved

PINS Date: Aug 11, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Jul 25, 2018 | Approved

PINS Date: Oct 14, 2011 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 7, 2019 | Approved

ASSP (Safety) (American Society of Safety Professionals)

520 N. Northwest Highway, Park Ridge, IL 60068 | w: www.assp.org

- ANSI ASSE Z359.15-2014, Safety Requirements for Single Anchor Vertical Lifelines & Fall Arrestors for Personal Fall Arrest Systems (new standard)
PINS Date: Jun 16, 2006 | Public Review Date: Feb 14, 2014 | Final Action Date: Aug 25, 2014 | Approved

- ANSI ASSE Z359.16-2016, Safety Requirements for Climbing Ladder Fall Arrest Systems (new standard)
PINS Date: Aug 8, 2014 | Public Review Date: Jun 17, 2016 | Final Action Date: Nov 2, 2016 | Approved

- ANSI ASSE Z359.6-2016, Specifications and Design Requirements for Active Fall Protection Systems (revision of ANSI ASSE Z359.6-2009)
PINS Date: Mar 7, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Dec 21, 2016 | Approved

Public Review Date: Oct 7, 2016 | Final Action Date: Feb 17, 2017 | Approved

- ANSI/AIHA Z9.5-2010, Laboratory Ventilation Standard (revision of ANSI/AIHA Z9.5-2002)
PINS Date: Oct 16, 2009 | Public Review Date: Nov 20, 2009 | Final Action Date: Apr 26, 2012 | Approved

- ANSI/ASSE A1264.1-2017, Safety Requirements for Workplace Walking/Working Surfaces & Their Access; Workplace Floor, Wall & Roof Openings; Stairs & Guardrails Systems (revision of ANSI/ASSE A1264.1-2007)
PINS Date: Aug 7, 2009 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 9, 2017 | Approved

PINS Date: May 13, 2011 | Public Review Date: Jul 13, 2012 | Final Action Date: Dec 19, 2012 | Approved

PINS Date: Dec 7, 2012 | Public Review Date: Mar 3, 2017 | Final Action Date: Apr 25, 2017 | Approved

- ANSI/ASSE Z359.0-2012, Definitions and Nomenclature Used for Fall Protection and Fall Arrest (revision of ANSI/ASSE Z359.0-2009)
PINS Date: Nov 26, 2010 | Public Review Date: Dec 9, 2011 | Final Action Date: Feb 23, 2012 | Approved

PINS Date: Nov 26, 2010 | Public Review Date: Nov 30, 2012 | Final Action Date: Mar 13, 2013 | Approved

- ANSI/ASSE Z359.18-2017, Safety Requirements for Anchorage Connectors for Active Fall Protection Systems (new standard)
PINS Date: Jun 16, 2006 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 2, 2017 | Approved
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ASTM (ASTM International)

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

- ANSI/AIHA Z88.10-2010, Respirator Fit Testing Methods (revision and redesignation of ANSI Z88.10-2001)
  PINS Date: Jul 28, 2006 | Public Review Date: Sep 18, 2009 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/AIHA Z88.7-2010, Color Coding of Air-Purifying Respirator Canisters, Cartridges, and Filters (revision of ANSI Z88.7-2001)
  PINS Date: Sep 25, 2009 | Public Review Date: Oct 23, 2009 | Final Action Date: Jun 14, 2010 | Approved

  PINS Date: Aug 29, 2014 | Public Review Date: Oct 3, 2014 | Final Action Date: Mar 4, 2015 | Approved

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- ANSI/ASTM D1655-2021c, Specification for Aviation Turbine Fuels (revision of ANSI/ASTM D1655-2021a)
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

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  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

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  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 1, 2021 | Approved

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ANSI/ASTM D3244-2021, Practice for Utilization of Test Data to Determine Conformance with Specifications (revision of ANSI/ASTM D3244-2021)
Public Review Date: Sep 3, 2021 | Final Action Date: Oct 19, 2021 | Approved

Public Review Date: Oct 7, 2016 | Final Action Date: Nov 22, 2016 | Approved

Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

PI NS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 30, 2017 | Approved

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Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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<td>Aug 7, 2020</td>
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<td>ANSI/ASTM D5006-2011</td>
<td>Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels</td>
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ANSI/ASTM D6300-2021, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2020b)
Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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ANSI/ASTM D6708-2021, Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2019a)
Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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**ASTM (ASTM International)**

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  Public Review Date: Jul 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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  Public Review Date: Dec 11, 2020 | Final Action Date: Jul 1, 2021 | Approved

  Public Review Date: Jun 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

  PINS Date: Aug 7, 2015 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 4, 2018 | Approved

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  PINS Date: Nov 6, 2020 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved
Public Review Date: Oct 5, 2018 | Final Action Date: Nov 20, 2018 | Approved

ANSI/ASTM D7915-2018, Practice for Application of Generalized Extreme Studentized Deviate (GESD) Technique to Simultaneously Identify Multiple Outliers in a Data Set (revision of ANSI/ASTM D7915-2014)
Public Review Date: Jun 1, 2018 | Final Action Date: Jul 17, 2018 | Approved

Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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

Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Oct 5, 2018 | Final Action Date: Nov 20, 2018 | Approved

ANSI/ASTM D8147-2017, Specification For Special-Purpose Test Fuels for Aviation Compression-Ignition Engines (new standard)
PINS Date: Jun 3, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Dec 15, 2017 | Approved

ANSI/ASTM D8194-2019, Practice For Evaluation Of Suitability Of 37mm Filter Monitors And 47mm Filters Used To Determine Particulate Contaminant In Aviation Turbine Fuel (new standard)
Public Review Date: Nov 2, 2018 | Final Action Date: Dec 18, 2018 | Approved

ANSI/ASTM D8290-2020, Test Method for Determination of fatty acid methyl esters (FAME) in aviation turbine fuel using Mid-Infrared Laser Spectroscopy (new standard)
PINS Date: Jun 22, 2018 | Public Review Date: Jun 12, 2020 | Final Action Date: Nov 1, 2020 | Approved

PINS Date: Aug 9, 2019 | Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

ANSI/ASTM E0620-2018, Practice for Reporting Opinions of Scientific or Technical Experts (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

PINS Date: Oct 6, 2017 | Public Review Date: Dec 8, 2017 | Final Action Date: Jan 23, 2018 | Approved

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  Public Review Date: Jun 1, 2018 | Final Action Date: Jul 17, 2018 | Approved

  Public Review Date: Sep 6, 2019 | Final Action Date: Dec 15, 2019 | Approved

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

- ANSI/ASTM E1388-2017, Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (new standard)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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

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

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E1413-2019, Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube (new standard)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved
ASTM (ASTM International)

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E1462-2018, Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Dec 8, 2017 | Final Action Date: Jan 23, 2018 | Approved

- ANSI/ASTM E1462-2018a, Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 5, 2018 | Final Action Date: Feb 20, 2018 | Approved

- ANSI/ASTM E1474-2021, Test Method for Determining the Heat Release Rate of Upholstered Furniture and Mattress Components or Composites Using a Bench Scale Oxygen Consumption Calorimeter (revision of ANSI/ASTM E1474-2020A)
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 24, 2017 | Approved

  Public Review Date: May 6, 2016 | Final Action Date: Nov 1, 2016 | Approved

  Public Review Date: Aug 5, 2016 | Final Action Date: Dec 15, 2016 | Approved

  PINS Date: Mar 19, 2021 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 1, 2021 | Approved

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### ANSI/ASTM E1776-2022, Guide for Development of Fire-Risk-Assessment Standards
- **Public Review Date:** Sep 3, 2021 | **Final Action Date:** Feb 1, 2022 | Approved

### ANSI/ASTM E178-2021, Practice for Dealing With Outlying Observations
- **Public Review Date:** May 7, 2021 | **Final Action Date:** Jun 22, 2021 | Approved

### ANSI/ASTM E1799-2018 (R2018), Practice for Visual Inspections of Photovoltaic Modules
- **Public Review Date:** Apr 6, 2018 | **Final Action Date:** May 22, 2018 | Approved

### ANSI/ASTM E18-2020, Test Methods for Rockwell Hardness of Metallic Materials
- **Public Review Date:** Apr 5, 2019 | **Final Action Date:** Feb 1, 2020 | Approved

### ANSI/ASTM E1802-2018 (R2018), Test Methods for Wet Insulation Integrity Testing of Photovoltaic Modules
- **Public Review Date:** Apr 6, 2018 | **Final Action Date:** May 22, 2018 | Approved

### ANSI/ASTM E1822-2021, Test Method for Fire Testing of Stacked Chairs
- **Public Review Date:** Sep 3, 2021 | **Final Action Date:** Nov 15, 2021 | Approved

- **PINS Date:** Aug 6, 2021 | **Public Review Date:** Sep 17, 2021 | **Final Action Date:** Nov 2, 2021 | Approved

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

### ANSI/ASTM E1967-2019, Standard Test Method for the Automated Determination of Refractive Index of Glass Samples Using the Oil Immersion Method and a Phase Contrast Microscope
- **PINS Date:** Aug 6, 2021 | **Public Review Date:** Sep 17, 2021 | **Final Action Date:** Nov 2, 2021 | Approved

- **PINS Date:** Aug 6, 2021 | **Public Review Date:** Sep 17, 2021 | **Final Action Date:** Nov 2, 2021 | Approved

- **PINS Date:** Aug 6, 2021 | **Public Review Date:** Sep 17, 2021 | **Final Action Date:** Nov 2, 2021 | Approved

### ANSI/ASTM E1994-2009 (R2018), Practice for Use of Process Oriented AOQL and LTPD Sampling Plans
- **Public Review Date:** Aug 10, 2018 | **Final Action Date:** Sep 25, 2018 | Approved

### ANSI/ASTM E1995-2021, Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber, With the Test Specimen Oriented Horizontally
- **Public Review Date:** Sep 4, 2020 | **Final Action Date:** Jun 1, 2021 | Approved

- **Public Review Date:** Nov 5, 2021 | **Final Action Date:** Dec 21, 2021 | Approved

### ANSI/ASTM E2047-2018 (R2019), Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays
- **Public Review Date:** Mar 15, 2019 | **Final Action Date:** Apr 30, 2019 | Approved
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<td>ANSI/ASTM E2334-2008 (R2018)</td>
<td>Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample</td>
<td>(reaffirmation of ANSI/ASTM E2334-2008 (R2013))</td>
<td>Sep 25, 2018</td>
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<td>ANSI/ASTM E235-2019</td>
<td>Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications</td>
<td>(revision of ANSI/ASTM E235-2017 (R2018))</td>
<td>May 21, 2019</td>
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<td>ANSI/ASTM E2451-2021</td>
<td>Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples</td>
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<td>ANSI/ASTM E2523-2013 (R2018)</td>
<td>Terminology for Metalworking Fluids and Operations</td>
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<td>ANSI/ASTM E2554-2018</td>
<td>Practice for Estimating and Monitoring the Uncertainty of Test Results of a Test Method Using Control Chart Techniques</td>
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<td>ANSI/ASTM E2563-2018</td>
<td>Practice for Enumeration of Non-Tuberculosis Mycobacteria in Aqueous Metalworking Fluids by Plate Count Method</td>
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<td>ANSI/ASTM E2564-2018</td>
<td>Practice for Enumeration of Mycobacteria in Metalworking Fluids by Direct Microscopic Counting (DMC) Method</td>
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<td>ANSI/ASTM E2579-2021</td>
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ANSI/ASTM E2657-2021, Practice for Determination of Endotoxin Concentrations in Water-Miscible Metalworking Fluids (revision of ANSI/ASTM E2657-2016)
Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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<td>Practice for Life and Reliability Testing Based on the Exponential Distribution</td>
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<td>ANSI/ASTM E2707-2015</td>
<td>Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure</td>
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<td>ANSI/ASTM E2708-2021a</td>
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<td>ANSI/ASTM E2749-2010</td>
<td>Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens</td>
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<td>Guide for Extension of Data from Penetration Firestop System Tests Conducted in Accordance with ASTM</td>
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<td>Practice for Sampling a Stream of Product by Variables Indexed by AQL</td>
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<td>Practice for Installation of Roof Mounted Photovoltaic Arrays on Steep-Slope Roofs</td>
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<td>Test Methods For Determining the Effectiveness of Fire Retardant Treatments for Natural Christmas Trees</td>
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<td>ANSI/ASTM E3182-2020</td>
<td>Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products</td>
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<td>ANSI/ASTM E3189-2019</td>
<td>Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube</td>
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<td>ANSI/ASTM E3196-2021</td>
<td>Terminology Relating to the Examination of Explosives</td>
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<td>Standard Terminology Relating to Examination of Fire Debris</td>
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The data in this document is reported as of Tuesday, February 22, 2022

**ASTM (ASTM International)**

- ANSI/ASTM E3253-2021, Practice for Establishing an Examination Scheme for Intact Explosives (new standard)  
  PINS Date: Aug 6, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E3264-2021, Guide for Homogeneity of Samples and Reference Materials Used for Inter- and Intra-Laboratory Studies (new standard)  
  PINS Date: Sep 1, 2017 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

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

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E3287-2021, Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials to Assess Surface Burning Characteristics (new standard)  
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  Public Review Date: Feb 5, 2021 | Final Action Date: May 1, 2021 | Approved

  PINS Date: Sep 21, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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- ANSI/ASTM E3329-2021, Practice for Establishing an Examination Scheme for Explosive Residues (new standard)  
  PINS Date: Aug 6, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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  Public Review Date: Mar 7, 2014 | Final Action Date: May 1, 2014 | Approved

  Public Review Date: Jun 7, 2019 | Final Action Date: Jul 23, 2019 | Approved
**ASTM (ASTM International)**

- ANSI/ASTM E574-2019, Specification for Duplex, Base Metal Thermocouple Wire With Glass Fiber or Silica Fiber Insulation  
  (revision of ANSI/ASTM E574-2017)  
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

  (new standard)  
  PINS Date: Sep 22, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Jun 1, 2018 | Approved

  (revision of ANSI/ASTM E601-2015)  
  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 24, 2020 | Approved

  (revision of ANSI/ASTM E603-2013)  
  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 25, 2017 | Approved

  (revision of ANSI/ASTM E608-2017)  
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

  (revision of ANSI/ASTM E648-2019)  
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

  (revision of ANSI/ASTM E662-2021)  
  Public Review Date: Sep 4, 2020 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/ASTM E691-2021, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method  
  (revision of ANSI/ASTM E691-2020)  
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

  (reaffirmation of ANSI/ASTM E696-2017)  
  Public Review Date: Oct 5, 2018 | Final Action Date: Nov 20, 2018 | Approved

  (revision of ANSI/ASTM E699-2009)  
  Public Review Date: Oct 2, 2015 | Final Action Date: Aug 1, 2016 | Approved

  (reaffirmation of ANSI/ASTM E780-2017)  
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

  (revision and redesignation of ANSI/ASTM E8-2016a)  
  Public Review Date: Nov 6, 2020 | Final Action Date: Feb 1, 2021 | Approved

- ANSI/ASTM E800-2020, Guide for Measurement of Gases Present or Generated During Fires  
  (revision of ANSI/ASTM E800-2014)  
  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

  (reaffirmation of ANSI/ASTM E814-2013)  
  Public Review Date: Mar 10, 2017 | Final Action Date: Apr 28, 2017 | Approved
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<td>ANSI/ASTM F1030-1986 (R2018),</td>
<td>Practice for Selection of Valve Operators (reaffirmation of ANSI/ASTM F1030-1986 (R2014))</td>
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- ANSI/ASTM F1076-2020, Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube (revision of ANSI/ASTM F1076-2010 (R2015))
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

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- ANSI/ASTM F1106-87 (R2018), Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head) (reaffirmation of ANSI/ASTM F1106-87 (R2012))
  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

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- ANSI/ASTM F1199-2021, Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and 150F Maximum) (revision of ANSI/ASTM F1199-2010 (R2020))
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

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- ANSI/ASTM F1200-2021a, Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150F (1 MPa and 65C)) (revision of ANSI/ASTM F1200-2021)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

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

- ANSI/ASTM F1282-2017, Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe (new standard)
  PINS Date: May 6, 2016 | Public Review Date: Feb 10, 2017 | Final Action Date: Mar 28, 2017 | Approved

  Public Review Date: Dec 7, 2018 | Final Action Date: Jan 22, 2019 | Approved

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  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

- ANSI/ASTM F1321-2021, Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel (revision of ANSI/ASTM F1321-2014 (R2021))
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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

  Public Review Date: Mar 6, 2015 | Final Action Date: Jul 1, 2015 | Approved

- ANSI/ASTM F1495-2020, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495-2014A)
  Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

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ASTM (ASTM International)

  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/ASTM F1602-2012 (R2017), 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)
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

- ANSI/ASTM F1603-2017, Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated (revision of ANSI/ASTM F1603-2012)
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

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<td>Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard) PINS Date: Jun 15, 2018</td>
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ANSI/ASTM F1804-2021, Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation  (revision of ANSI/ASTM F1804-2016 (R2020))
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Public Review Date: Aug 4, 2017 | Final Action Date: Sep 19, 2017 | Approved

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ANSI/ASTM F2441-2021, Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks  (revision of ANSI/ASTM F2441-2012 (R2018))
Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

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ANSI/ASTM F2773-2013 (R2021), Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders  (reaffirmation of ANSI/ASTM F2773-2013 (R2017))
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ANSI/ASTM F2793-2014, Specification for Bicycle Grips  (new standard)
PINS Date: Aug 29, 2008 | Public Review Date: Aug 8, 2014 | Final Action Date: Sep 23, 2014 | Approved

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  Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

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- ANSI/ASTM F2875-2010 (R2020), Guide for Laboratory Requirements Necessary to Test Commercial Cooking and Warming Appliances to ASTM Test Methods  (reaffirmation of ANSI/ASTM F2875-2010 (R2015))
  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

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- ANSI/ASTM F2880-2021, Specification for Lap-Joint Type Flange Adapters for Polyethylene Pressure Pipe in Nominal Pipe Sizes 34 in. to 65 in.  (revision of ANSI/ASTM F2880-2014)
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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- ANSI/ASTM F2935-2012 (R2018), Specification for Chocks, Panama, Mooring Cast Steel (reaffirmation of ANSI/ASTM F2935-2012)
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

- ANSI/ASTM F2936-2012 (R2018), Specification for Chocks, Ship Mooring, Cast Steel (reaffirmation of ANSI/ASTM F2936-2012)
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

- ANSI/ASTM F2940-2021, Practice for Air Soft Field Operation (revision of ANSI/ASTM F2940-2013 (R2017))
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

- ANSI/ASTM F2941-2021, Practice for Air Soft Player Safety Briefing (revision of ANSI/ASTM F2941-2013 (R2017))
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

  Public Review Date: Jul 6, 2018 | Final Action Date: Sep 1, 2018 | Approved

- ANSI/ASTM F2946-2012 (R2021), Specification for PVC Hub and Elastomeric Seal (Gasket) Tee Connection for Joining Plastic Pipe to Insitu Pipelines and Manholes (reaffirmation of ANSI/ASTM F2946-2012 (R2017))
  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Feb 1, 2022 | Approved

- ANSI/ASTM F3013-2013 (R2018), Test Method for Density of Topsoil and Blended Soils In-place by the Core Displacement Method (reaffirmation of ANSI/ASTM F3013-2013)
  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

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### ANSI/ASTM F3052-2014 (R2020), Guide for Conducting Small Boat Stability Test (Deadweight Survey and Air Inclining Experiment) to Determine Lightcraft Weight and Centers of Gravity of a Small Craft
- (reaffirmation of ANSI/ASTM F3052-2014)
- Public Review Date: Jan 10, 2020 | Final Action Date: Feb 25, 2020 | Approved

### ANSI/ASTM F3059-2018, Specification for Fiber-Reinforced Polymer (FRP) Gratings Used in Marine Construction and Shipbuilding
- (revision of ANSI/ASTM F3059-2015)
- Public Review Date: Jun 1, 2018 | Final Action Date: Jul 17, 2018 | Approved

### ANSI/ASTM F3077-2021, Specification for Eye Protectors for Womens Lacrosse
- (revision of ANSI/ASTM F3077-2017)
- Public Review Date: Dec 6, 2019 | Final Action Date: Dec 1, 2021 | Approved

### ANSI/ASTM F3085-2014 (R2018), Specification for Air Soft Gun Barrel Blocking Devices
- (reaffirmation of ANSI/ASTM F3085-2014)
- Public Review Date: May 11, 2018 | Final Action Date: Jun 26, 2018 | Approved

### ANSI/ASTM F3100-2015 (R2020), Practice for Low Impact Paintball Field Operation
- (reaffirmation of ANSI/ASTM F3100-2015)
- Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

### ANSI/ASTM F3101-2021a, Specification for Unsupervised Public Use Outdoor Fitness Equipment
- (revision of ANSI/ASTM F3101-2021)
- Public Review Date: May 7, 2021 | Final Action Date: Jul 1, 2021 | Approved

- (new standard)
- PINS Date: Jun 3, 2011 | Public Review Date: Aug 8, 2014 | Final Action Date: Jan 1, 2015 | Approved

### ANSI/ASTM F3103-2014 (R2020), Specification for Testing Off-Road Motorcycle and ATV Helmets
- (reaffirmation of ANSI/ASTM F3103-2014)
- Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

- (revision of ANSI/ASTM F3104-2014)
- Public Review Date: May 22, 2020 | Final Action Date: Mar 1, 2021 | Approved

### ANSI/ASTM F3105-2020, Specification for Externally Loaded Strength Training Equipment, Strength Training Benches and External Weight Storage Equipment
- (revision of ANSI/ASTM F3105-2014)
- Public Review Date: May 22, 2020 | Final Action Date: Dec 15, 2020 | Approved

### ANSI/ASTM F3123-2018a, Specification for Metric Outside Diameter Polyethylene (PE) Plastic Pipe (DR-PN)
- (revision of ANSI/ASTM F3123-2018)
- Public Review Date: Jul 6, 2018 | Final Action Date: Nov 1, 2018 | Approved

### ANSI/ASTM F3124-2017, Practice for Data Recording the Procedure used to Produce Heat Butt Fusion Joints in Plastic Piping Systems or Fittings
- (new standard)
- PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 31, 2017 | Approved

- (revision of ANSI/ASTM F3128-2018)
- Public Review Date: Oct 5, 2018 | Final Action Date: Mar 21, 2019 | Approved

### ANSI/ASTM F3137-2015, Headgear Used in Women's Lacrosse (excluding goalkeepers)
- (new standard)
- PINS Date: Mar 2, 2012 | Public Review Date: Mar 6, 2015 | Final Action Date: Jul 1, 2015 | Approved
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- ANSI/ASTM F861-2014a (R202x), Specification for Commercial Dishwashing Racks (reaffirmation of ANSI/ASTM F861-2014a)
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  PINS Date: Oct 24, 2014 | Public Review Date: Dec 12, 2014 | Final Action Date: May 19, 2015 | Approved

- ANSI/ATCC ASN-0002-2021, Authentication Of Human Cell Lines: Standardization Of Short Tandem Repeat (STR) Profiling (revision of ANSI/ATCC ASN-0002-2011)
  PINS Date: Jan 20, 2017 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 23, 2021 | Approved

- ANSI/ATCC ASN-0003-2015, Species-Level Identification of Animal Cells through Mitochondrial Cytochrome c Oxidase Subunit 1 (CO1) DNA Barcodes (new standard)
  PINS Date: Nov 22, 2013 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

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- ANSI ATIS 0100036-2013 (R2018), Media Plane Performance Security Impairments for Evolving VoIP/Multimedia Networks (reaffirmation of ANSI ATIS 0100036-2013)
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 0100514-2009 (S2019), Network Performance Parameters and Objectives for Dedicated Digital Services – SONET Bit Rates (stabilized maintenance of ANSI ATIS 0100514-2009 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 0100522-2000 (S2019), Quality of Service for Business Multimedia Conferencing (stabilized maintenance of ANSI ATIS 0100522-2000 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved
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- ANSI ATIS 0300204-2008 (S2018), Operations, Administration, Maintenance, and Provisioning (OAM&P) Lower-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (stabilized maintenance of ANSI ATIS 0300204-2008 (R2013))
  Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

- ANSI ATIS 0300216-2013 (R2018), Integrated Services Digital Network (ISDN) Management – Basic Rate Physical Layer (reaffirmation of ANSI ATIS 0300216-2013)
  Public Review Date: Aug 24, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI ATIS 0300217-2013 (R2018), Integrated Service Digital Network (ISDN) Management – Primary Rate Physical Layer (reaffirmation of ANSI ATIS 0300217-2013)
  Public Review Date: Jun 29, 2018 | Final Action Date: Aug 23, 2018 | Approved

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- ANSI ATIS 0300255-2008 (S2018), In-Service, Non-Intrusive Measurement Device (INMD) Methodology for Applying INMD Measurements to Customer Opinion Models (stabilized maintenance of ANSI ATIS 0300255-2008 (R2013))
  Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved

  Public Review Date: Jun 29, 2018 | Final Action Date: Aug 31, 2018 | Approved

- ANSI ATIS 0600308-2008 (S2018), Central Office Equipment - Electrostatic Discharge Immunity Requirements (stabilized maintenance of ANSI ATIS 0600308-2008 (R2013))
  PINS Date: Oct 13, 2017 | Public Review Date: Apr 6, 2018 | Final Action Date: May 31, 2018 | Approved

- ANSI ATIS 0600329-2014 (R2019), Network Equipment - Earthquake Resistance (reaffirmation of ANSI ATIS 0600329-2014)
  Public Review Date: Jul 12, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI ATIS 0600413-2009 (R2019), Network to Customer Installation Interfaces – Asymmetric Digital Subscriber Line (ADSL) Metallic Interface (reaffirmation of ANSI ATIS 0600413-2009 (R2014))
  Public Review Date: Dec 28, 2018 | Final Action Date: Mar 8, 2019 | Approved

- ANSI ATIS 0700004.a-2008 (S2017), Supplement to ATIS High Capacity-Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004.a-2008 (R2013))
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved

- ANSI ATIS 0700706-1997 (S2017), Stage 1 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-E) Supplementary Service (stabilized maintenance of ANSI ATIS 0700706-1997 (R2013))
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved
| ANSI ATIS 0700708-1998 (S2017), PCS 1900 Service Provider Number Portability  (stabilized maintenance of ANSI ATIS 0700708-1998 (R2013))  
Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved |
| ANSI ATIS 0700724-2014 (R2019), UMTS Handover Interface for Lawful Interception  (reaffirmation of ANSI ATIS 0700724-2014)  
Public Review Date: Feb 15, 2019 | Final Action Date: Nov 19, 2019 | Approved |
| ANSI ATIS 0900002-2009 (S2019), Synchronization Standard - Physical Interconnection for Intra-Office Ethernet-Based Timing Distribution  (stabilized maintenance of ANSI ATIS 0900002-2009 (R2014))  
Public Review Date: Dec 28, 2018 | Final Action Date: Mar 8, 2019 | Approved |
| ANSI ATIS 0900101-2013 (R2018), Synchronization Interface Standard  (reaffirmation of ANSI ATIS 0900101-2013)  
Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved |
| ANSI ATIS 0900105.03-2013 (R2018), Synchronous Optical Network (SONET) - Jitter at Network Interfaces  (reaffirmation of ANSI ATIS 0900105.03-2013)  
Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved |
| ANSI ATIS 0900105.09-2013 (R2018), Synchronous Optical Network (SONET) - Network Timing and Synchronization  (reaffirmation of ANSI ATIS 0900105.09-2013)  
Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved |
| ANSI ATIS 1000017-2008 (S2018), Interworking between the ISDN User - Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS)  (stabilized maintenance of ANSI ATIS 1000017-2008 (R2013))  
Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved |
| ANSI ATIS 1000025-2013 (R2018), User to Network Interface (UNI) Standard for Signaling and Control Security Requirements for Evolving VoP/Multimedia Networks  (reaffirmation of ANSI ATIS 1000025-2013)  
Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved |
| ANSI ATIS 1000026-2008 (S2018), Session Border Controller Functions and Requirements  (stabilized maintenance of ANSI ATIS 1000026-2008 (R2013))  
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| ANSI ATIS 1000028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard  (stabilized maintenance of ANSI ATIS 1000028-2008 (R2013))  
Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved |
| ANSI ATIS 1000029-2008 (S2018), Security Requirements for NGN  (stabilized maintenance of ANSI ATIS 1000029-2008 (R2013))  
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| ANSI ATIS 1000030-2008 (S2018), Authentication and Authorization Requirements for Next Generation Network (NGN)  (stabilized maintenance of ANSI ATIS 1000030-2008 (R2013))  
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- **ANSI ATIS 1000622.a-1998 (S2018)**, Supplement to ATIS-1000622: Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622.a-1998 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000623-2014 (R2019)**, Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for the User Signaling Bearer Service (reaffirmation of ANSI ATIS 1000623-2014)
  - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- **ANSI ATIS 1000625-1993 (S2018)**, Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625-1993 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000625.a-1998 (S2018)**, Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625.a-1998 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000627-2014 (R2019)**, Broadband ISDN - ATM Layer Functionality and Specification (reaffirmation of ANSI ATIS 1000627-2014)
  - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- **ANSI ATIS 1000632-1993 (R2019)**, ISDN Supplementary Service Normal Call Transfer (reaffirmation of ANSI ATIS 1000632-1993 (R2014))
  - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- **ANSI ATIS 1000641-2014 (R2019)**, Calling Name Identification (reaffirmation of ANSI ATIS 1000641-2014)
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- **ANSI ATIS 1000642-2014 (R2019)**, ISDN - Call Deflection Supplementary Service (reaffirmation of ANSI ATIS 1000642-2014)
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- **ANSI ATIS 1000643-1998 (S2018)**, Integrated Services Digital Network (ISDN) - Explicit Call Transfer Supplementary Service (stabilized maintenance of ANSI ATIS 1000643-1998 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000645-1995 (S2018)**, B-ISDN Signaling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at the NNI) (stabilized maintenance of ANSI ATIS 1000645-1995 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- **ANSI ATIS 1000654-1996 (S2018)**, Broadband Integrated Services Digital Network (B-ISDN) - Operations and Maintenance Principles and Functions (stabilized maintenance of ANSI ATIS 1000654-1996 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | 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 Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- **ANSI ATIS 1000665-1997 (S2018)**, Broadband ISDN - Overview of ANSI B-ISDN NNI Signaling Capability Set 2, Step 1 (stabilized maintenance of ANSI ATIS 1000665-1997 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

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- ANSI ATIS 1000678.b.v2-2010 (R2018), Supplement B to ATIS-1000678.v2.2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (reaffirmation of ANSI ATIS 1000678.b.v2-2010 (R2013))
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- ANSI/ATIS 0100008-2007 (S2017), Defects Per Million (DPM) Metric for Transaction Services such as VoIP (stabilized maintenance of ANSI ATIS 0100008-2007 (R2012))
  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/ATIS 0100012-2019, Standard Outage Classification (revision of ANSI ATIS 0100012-2013)
  PINS Date: Sep 8, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: Jul 15, 2019 | Approved

- ANSI/ATIS 0100017-2008 (S2018), Reduced Reference Video Calibration Estimation Method (stabilized maintenance of ANSI/ATIS 0100017-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/ATIS 0100020-2008 (S2018), Quantifying the Impact on IP Service Availability from Network Element Outages (stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/ATIS 0100022-2008 (S2018), Priority Classification Levels for Next Generation Networks (stabilized maintenance of ANSI/ATIS 0100022-2008 (R2013))
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- ANSI/ATIS 0100524-2004 (S2018), Reliability-related Metrics and Terminology for Network Elements in Evolving Communications Networks (stabilized maintenance of ANSI/ATIS 0100524-2004 (R2013))
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<td>ANSI/ATIS 0300218-2019</td>
<td>ISDN Management - Data-Link and Network Layers</td>
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<td>ANSI/ATIS 0300220-2018</td>
<td>Structure for the Representation of the Communications Industry Manufacturers, Suppliers, and Related Service Companies for Information Exchange</td>
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<td>ANSI/ATIS 0300223-2020</td>
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- ANSI/ATIS 0300236-2005 (S2016), Signaling System 7 (SS7) - ISDN User Part Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300236-2005 (R2011))
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- ANSI/ATIS 0300245-2019, Directory Services for Telecommunications Management Network (TMN) and Synchronous Optical Network (SONET) (revision of ANSI ATIS 0300245-2013)
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- ANSI/ATIS 0300251.a-2020, Supplement to Structure for the Representation of Service Providers for Information Exchange (supplement to ANSI/ATIS 0300251-2020)
  PINS Date: Sep 11, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

- ANSI/ATIS 0300253-2020, Structure for the Representation of Location Entities for Information Exchange (revision of ANSI/ATIS 0300253-2016)
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- ANSI/ATIS 0300269-2006 (S2016), Structure and Representation of Trace Message Formats for Information Exchange (stabilized maintenance of ANSI/ATIS 0300269-2006 (R2011))
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- ANSI/ATIS 0500019-2010 (S2021), Request for Assistance Interface (RAFI) Specification (stabilized maintenance of ANSI/ATIS 0500019-2010 (R2015))
  Public Review Date: Nov 27, 2020 | Final Action Date: Feb 5, 2021 | Approved

- ANSI/ATIS 0600003-2018, Battery Enclosure and Rooms/Areas (revision of ANSI/ATIS 0600003-2007 (R2012))
  PINS Date: Oct 21, 2016 | Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

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- ANSI/ATIS 0600015.11-2016 (R2021), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC/DC Converter Requirements  
  (reaffirmation of ANSI/ATIS 0600015.11-2016) 
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- ANSI/ATIS 0600016-2018, Remote End POTS Splitter Requirements  
  (revision of ANSI ATIS 0600016-2008 (R2013)) 
  PINS Date: Oct 13, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/ATIS 0600017-2020, Non-Halogenated DC Power Wire and Cable For Telecommunications Power Systems  
  (revision of ANSI ATIS 0600017-2014) 
  PINS Date: Mar 1, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 16, 2020 | Approved

- ANSI/ATIS 0600026-2010 (S2020), Network End POTS Splitter Requirements  
  (stabilized maintenance of ANSI/ATIS 0600026-2010 (R2015)) 
  Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

- ANSI/ATIS 0600028-2021, DC Power Wire and Cable for Telecommunications Power Systems – for XHHW / XHHW-2 and DLO/Halogenated RHH-RHW Cable Types  
  (revision of ANSI/ATIS 0600028-2016) 
  PINS Date: Apr 2, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Jul 26, 2021 | Approved

- ANSI/ATIS 0600029-2019, Standard for Irreversible Compression Lugs, Inline Splices, and Taps  
  (revision of ANSI ATIS 0600029-2013) 
  PINS Date: Oct 20, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI/ATIS 0600030-2021, Line-Powering of Telecommunications Equipment on Outside Plant (OSP) Copper Twisted Pair Loops  
  (revision of ANSI/ATIS 0600030-2016) 
  PINS Date: Jun 4, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

- ANSI/ATIS 0600031-2019, (Pumped) Distributed Refrigerant Cooling – Standardized Infrastructure  
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  PINS Date: Oct 20, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI/ATIS 0600035-2018, Recommended Maintenance Routines and Frequencies for Central Office Backup Power  
  (new standard) 
  PINS Date: May 22, 2015 | Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ATIS 0600038-2022, Intrusion Protection for Outside Plant (OSP) Enclosures  
  (new standard) 
  PINS Date: May 25, 2018 | Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved

- ANSI/ATIS 0600039-2021, Outside Plant Enclosures and Assemblies – Fire Resistance Test  
  (new standard) 
  PINS Date: Jan 3, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI/ATIS 0600041-2022, Security Requirements for Telecommunications Equipment Structures  
  (new standard) 
  PINS Date: Apr 2, 2021 | Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved
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- ANSI/ATIS 0600107.a-2005 (S2015), Digital Hierarchy - Formats Specification (Virtual Concatenation and LCAS) (Supplement to ATIS-0600107) (stabilized maintenance of ANSI/ATIS 0600107a-2005 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

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- ANSI/ATIS 0600313-2018, Electrical Protection for Telecommunications Central Offices and Similar Type Facilities (revision of ANSI ATIS 0600313-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/ATIS 0600315-2018, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI ATIS 0600315-2013)
  PINS Date: Oct 20, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Jan 24, 2018 | Approved

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  PINS Date: Mar 9, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 28, 2020 | Approved

- ANSI/ATIS 0600320-2020, Above-Baseline Electrical Protection For Designated Information And Communications Technology (ICT) Facilities Against High-Altitude Electromagnetic Pulse (HEMP) (revision of ANSI/ATIS 0600320-2015)
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- ANSI/ATIS 0600333-2013 (R2018), Grounding and Bonding of Telecommunications Equipment (reaffirmation of ANSI/ATIS 0600333-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ATIS 0600334-2019, Electrical Protection of Communications Towers and Associated Structures (revision of ANSI ATIS 0600334-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Nov 19, 2019 | Approved

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- ANSI/ATIS 0600337-2019, Requirements for Maximum Voltage, Current, and Power Levels Used in Communications Circuits (revision of ANSI/ATIS 0600337-2016)
  PINS Date: Feb 22, 2019 | Public Review Date: May 24, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI/ATIS 0600338-2021, Electrical Coordination of Primary and Secondary Surge Protective Devices for Use in Telecommunications Circuits (revision of ANSI/ATIS 0600338-2016)
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- ANSI/ATIS 0600401.01-2000 (S2015), Network to Customer Installation Interfaces - Analog Voicegrade Switched Access Lines Using Loop-Start or Ground Start Signaling With Line-Side Answer Supervision Feature (stabilized maintenance of ANSI/ATIS 0600401.01-2000 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/ATIS 0600401.02-2000 (S2015), Network-to-Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with Distinctive Ringing Features (stabilized maintenance of ANSI/ATIS 0600401.02-2000 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

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

- ANSI/ATIS 0600401.04-2000 (S2015), Network and Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with the Call Waiting, Distinctive Call Waiting, or Calling Identity Delivery on Call Waiting Feature (stabilized maintenance of ANSI/ATIS 0600401.04-2000 (R2010))
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  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600410-2001 (S2015), Network-to-Customer Electrical Interface - Digital Data at 64 kbit/s and Subrates (stabilized maintenance of ANSI/ATIS 0600410-2001 (R2011))
  
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- ANSI/ATIS 0600416.01-1999 (S2015), Network to Customer Installation Interfaces - Synchronous Optical NETwork (SONET) Physical Media Dependent Specification: Multi-Mode Fiber (stabilized maintenance of ANSI/ATIS 0600416.01-1999 (R2010))
  
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- ANSI/ATIS 0600424-2004 (S2015), Interface Between Networks and Customer Installation Very-high-bit-rate Digital Subscriber Lines (VDSL) Metallic Interface (DMT based) (stabilized maintenance of ANSI ATIS 0600424-2004 (R2014))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

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

- ANSI/ATIS 0600427.02-2005 (S2015), Ethernet-based Multi-Pair Bonding (stabilized maintenance of ANSI/ATIS 0600427.02-2005 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 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 Date: Jan 16, 2015 | Final Action Date: Mar 5, 2015 | Approved

- ANSI/ATIS 0600601-1999 (S2015), Integrated Services Digital Network (ISDN) - Basic Access Interface for Use on Metallic Loops for Application on the Network Side of the NT (Layer 1 Specification) (stabilized maintenance of ANSI ATIS 0600601-1999 (R2014))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

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- ANSI/ATIS 0700004-2007 (S2017), High Capacity - Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004-2007 (R2012))
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- ANSI/ATIS 1000045-2012 (S2022), ATIS NGN Identity Management Mechanisms (stabilized maintenance of ANSI/ATIS 1000045-2012 (R2017))
  Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved

- ANSI/ATIS 1000050-2012 (S2022), Next Generation Network (NGN) Operator Regular Intercept Standard (stabilized maintenance of ANSI/ATIS 1000050-2012 (R2017))
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- ANSI/ATIS 1000110-1999 (S2020), Signaling System No. 7 (SS7) - General Information (stabilized maintenance of ANSI/ATIS 1000110-1999 (R2015))
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- ANSI/ATIS 1000639-1995 (S2016), Calling Name Identification Restriction  (stabilized maintenance of ANSI/ATIS 1000639-1995 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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

- ANSI/ATIS 1000640-2001 (S2016), Broadband ISDN Network Node Interfaces and Inter-Network Interfaces - Rates and Formats Specifications  (stabilized maintenance of ANSI/ATIS 1000640-2001 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000641.a-2002 (S2017), Supplement to Calling Name Identification Presentation  (stabilized maintenance of ANSI ATIS 1000641.a-2002 (R2012))
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- ANSI/ATIS 1000651.a-1996 (S2016), Mobility Management Application Protocol (MMAP) - Extensions  (stabilized maintenance of ANSI/ATIS 1000651.a-1996 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000652-1996 (S2016), B-ISDN Signaling ATM Adaptation Layer - Layer Management for SAAL at the NNI  (stabilized maintenance of ANSI/ATIS 1000652-1996 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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- ANSI/ATIS 1000653.a-1998 (S2020), ISDN - Call Park Supplementary Service - Generic Procedures for the Control of ISDN Supplementary Services, Clarification for Number Identification  (stabilized maintenance of ANSI/ATIS 1000653.a-1998 (R2015))
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ATSIP (Association of Transportation Safety Information Professionals)

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AVIXA (Audiovisual and Integrated Experience Association)

- ANSI/AVIXA S601.01-2021, Audiovisual Systems Energy Management (revision and redesignation of ANSI/INFOCOMM 4M-2012)
  PINS Date: Jun 16, 2017 | Public Review Date: Dec 14, 2018 | Final Action Date: Mar 24, 2021 | Approved

- ANSI/AVIXA V201.01-2021, Image System Contrast Ratio (revision and redesignation of ANSI/INFOCOMM 3M-2011)
  PINS Date: Dec 30, 2016 | Public Review Date: Feb 5, 2021 | Final Action Date: Aug 2, 2021 | Approved

  PINS Date: Apr 8, 2011 | Public Review Date: Oct 3, 2013 | Final Action Date: Dec 20, 2013 | Approved

- ANSI/INFOCOMM 10-2013, Audiovisual Systems Performance Verification (new standard)
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- ANSI/INFOCOMM A102.01-2017, Audio Coverage Uniformity in Listener Areas (revision and redesignation of ANSI/INFOCOMM 1M-2009)
  PINS Date: Jan 16, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Apr 11, 2017 | Approved

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AWC (American Wood Council)

  PINS Date: Aug 21, 2015 | Public Review Date: May 26, 2017 | Final Action Date: Nov 16, 2017 | Approved

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  PINS Date: Dec 22, 2017 | Public Review Date: Mar 20, 2020 | Final Action Date: Jul 22, 2020 | Approved
AWC (American Wood Council)

  PINS Date: Aug 21, 2015 | Public Review Date: Oct 6, 2017 | Final Action Date: Dec 5, 2017 | Approved

AWI (Architectural Woodwork Institute)

- ANSI/AWI 0620-2018, Finish Carpentry/Installation (new standard)
  PINS Date: Nov 25, 2016 | Public Review Date: Jul 6, 2018 | Final Action Date: Sep 21, 2018 | Approved

  PINS Date: Nov 25, 2016 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 9, 2019 | Approved

- ANSI/AWI SMA 0643-2021, AWI SMA 0643 - Wood Stair, Handrail, and Guard Systems (new standard)
  PINS Date: Nov 25, 2016 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 1, 2021 | Approved

AWPA (ASC O5) (American Wood Protection Association)

  PINS Date: Sep 30, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 23, 2017 | Approved

- ANSI O5.2-2020, Structural Glued Laminated Timber for Utility Structures (revision of ANSI O5.2-2012)
  PINS Date: Mar 24, 2017 | Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI O5.3-2021, Solid Sawn Wood Crossarms, Braces, and Wood Ground Wire Moulding - Specifications & Dimensions (revision of ANSI O5.3-2015)
  PINS Date: Jan 24, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 26, 2021 | Approved

AWS (American Welding Society)

- ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1)
  PINS Date: Sep 6, 2019 | Public Review Date: Dec 13, 2019 | Final Action Date: Apr 24, 2020 | Approved

  PINS Date: Nov 20, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 30, 2016 | Approved

- ANSI/AWS A2.4-2020, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012)
  PINS Date: May 31, 2013 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 9, 2020 | Approved

  PINS Date: May 31, 2013 | Public Review Date: Aug 2, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Oct 4, 2019 | Final Action Date: Feb 27, 2020 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 31, 2019 | Approved
AWS (American Welding Society)

  PINS Date: Mar 20, 2015 | Public Review Date: May 27, 2016 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Sep 13, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Feb 20, 2020 | Approved

  PINS Date: Mar 29, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jun 26, 2019 | Approved

  PINS Date: Jul 30, 2010 | Public Review Date: Mar 11, 2011 | Final Action Date: Apr 10, 2012 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 13, 2020 | Approved

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  PINS Date: May 29, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 7, 2021 | Approved

  PINS Date: Jul 28, 2017 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 30, 2017 | Approved

  PINS Date: Mar 27, 2015 | Public Review Date: Aug 21, 2015 | Final Action Date: May 4, 2016 | Approved

- ANSI/AWS A5.16/A5.16M-2013 (ISO 24034-2005 MOD), Specification for Titanium and Titanium-Alloy Welding Electrodes and Rods (revision of ANSI/AWS A5.16/A5.16M-2007)
  PINS Date: Apr 1, 2011 | Public Review Date: Oct 19, 2012 | Final Action Date: Feb 19, 2013 | Approved

  PINS Date: Jun 22, 2018 | Public Review Date: Dec 14, 2018 | Final Action Date: Feb 5, 2019 | Approved

  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

  PINS Date: Mar 27, 2015 | Public Review Date: Apr 24, 2015 | Final Action Date: Jul 17, 2015 | Approved
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<td>Specification for Fluxes for Brazing and Braze Welding (revision of ANSI/AWS A5.31M/A5.31-2012)</td>
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AWS (American Welding Society)

- ANSI/AWS A5.5/A5.5M-2014, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2006)
  PINS Date: Jun 5, 2009 | Public Review Date: Jan 24, 2014 | Final Action Date: Apr 16, 2014 | Approved

- ANSI/AWS A5.6/A5.6M-2008 (R2017), Specification for Copper and Copper-Alloy Electrodes for Shielded Metal Arc Welding (reaffirmation of ANSI/AWS A5.6/A5.6M-2008)
  Public Review Date: Mar 31, 2017 | Final Action Date: Jul 11, 2017 | Approved

- ANSI/AWS A5.7/A5.7M-2007 (R2017), Specification for Copper and Copper-Alloy Bare Welding Rods and Electrodes (reaffirmation of ANSI/AWS A5.7/A5.7M-2007)
  Public Review Date: Mar 3, 2017 | Final Action Date: Jul 11, 2017 | Approved

- ANSI/AWS A5.8M/A5.8-2019, Specification for Filler Metals for Brazing and Brazing Welding (revision of ANSI/AWS A5.8M/A5.8-2011)
  PINS Date: Aug 5, 2016 | Public Review Date: Mar 8, 2019 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: Sep 30, 2016 | Final Action Date: Dec 9, 2016 | Approved

  PINS Date: Oct 9, 2009 | Public Review Date: Aug 24, 2012 | Final Action Date: Oct 30, 2012 | Approved

  PINS Date: Jan 17, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Aug 29, 2016 | Approved

  PINS Date: Aug 8, 2003 | Public Review Date: Jun 20, 2014 | Final Action Date: Sep 8, 2014 | Approved

  PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-002-2020, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm], ER70S-2, ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Aug 26, 2016 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 16, 2020 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved

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  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved
Approved American National Standards

AWS (American Welding Society)

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-012-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, 10 through 18 Gauge (M-1, P-1, or S-1 to M-1, P-1, or S-1), in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-012-2002)
  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-016-2018, 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, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/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 Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-018-2021, Standard Welding Procedure Specification (SWPS) for Self-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, E71T-8, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: May 7, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-020-2018, Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 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, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-021-2018, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/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 Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-026-2018, 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 Downhill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved
AWS (American Welding Society)

  PINS Date: Oct 30, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 16, 2018 | Approved

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-204-2019, Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, E6010 (Vertical Downhill Root with the Balance Vertical Uphill), in the As-Welded Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-205-2019, 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 (Vertical Uphill), in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/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 Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-207-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-208-2019, 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, E7018, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-209-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2 and E7018, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-210-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1 and ER70S-2, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-1-211-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1, ER70S-2, and E7018, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-1-232-2019, 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 Date: Aug 26, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-233-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Spray Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-234:2020)
  PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

  PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

- ANSI/AWS B2.1-1-235-2020-AMD1, Standard Welding Procedure Specification (SWPS) for 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-235-2019)
  PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

- ANSI/AWS B2.1-1-8-006-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-006-2002)
  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 14, 2013 | Approved

- ANSI/AWS B2.1-1-8-010-2015 (R2021), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-010-2015)
  PINS Date: Apr 30, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 3, 2021 | Approved

- ANSI/AWS B2.1-1-8-014-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8/P-8/S-8, Group 1), 10 through 18 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-014-2002)
  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-8-227-2002 (R2013), 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 through 1-1/2 inch Thick, ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1-8-227-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-1/8-228-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, E309(L) -15, -16, or -17, As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-228-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-229-2002 (R2013), 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 through 1-1/2 inch Thick, ER309(L) and E309(L) -15, -16, or -17, As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-229-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-230-2002 (R2013), 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 through 1-1/2 inch Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-230-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-231:2015, 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, 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 B2.1-1/8-231-2002)
  PINS Date: Mar 22, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Jul 14, 2015 | Approved

- ANSI/AWS B2.1-22-015-2022, 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 Date: Apr 30, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 29, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWS B2.1-4-218-2021, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), E8018-B2, 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

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  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved
ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)

PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved


PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved


PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved


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PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

ANSI/AWS B2.1-8-005-2002 (R2013), B2.1-8-005:2002 (R20XX), 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 (reaffirmation of ANSI/AWS B2.1-8-005-2002)

PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved


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PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

ANSI/AWS B2.1-8-023-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)

PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved
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<td>ANSI/AWS B5.17-2014, Specification for the Qualification of Welding Fabricators</td>
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<td>ANSI/AWS B5.2-2018, Specification for the Training, Qualification, and Company Certification of Welding Inspector Specialists and Welding Inspector Assistants (new standard)</td>
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<td>ANSI/AWS C1.4M/C1.4-2017, Specification for the Resistance Welding of Carbon and Low-Alloy Steels (revision of ANSI/AWS C1.4M/C1.4-2009)</td>
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<td>ANSI/AWS C1.5-2019, Specification For The Qualification Of Resistance Welding Technicians (revision of ANSI/AWS C1.5-2015)</td>
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<td>ANSI/AWS C2.20/C2.20M-2016, Specification for Thermal Spraying Zinc Anodes on Steel Reinforced Concrete (new standard)</td>
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<td>ANSI/AWS C3.2M/C3.2-2019, Standard Method For Evaluating the Strength of Brazed Joints (new standard)</td>
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**AWS (American Welding Society)**

  - Public Review Date: Jul 1, 2016 | Final Action Date: Aug 22, 2016 | Approved

- **ANSI/AWS C3.4M/C3.4-2016, Specification for Torch Brazing** (revision of ANSI/AWS C3.4M/C3.4-2007a)
  - PINS Date: Feb 15, 2013 | Public Review Date: Oct 23, 2015 | Final Action Date: Dec 15, 2015 | Approved

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

- **ANSI/AWS C3.6M/C3.6-2019 AMD1, Specification for Furnace Brazing** (revision and redesignation of ANSI/AWS C3.6M/C3.6-2016)
  - PINS Date: May 31, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

- **ANSI/AWS C3.7M/C3.7-2011 (R2021), Specification for Aluminum Brazing** (reaffirmation of ANSI/AWS C3.7M/C3.7-2011)
  - PINS Date: Jun 9, 2017 | Public Review Date: Aug 13, 2021 | Final Action Date: Sep 28, 2021 | Approved

- **ANSI/AWS C3.8M/C3.8-2020, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints** (revision of ANSI/AWS C3.8M/C3.8-2011)
  - PINS Date: May 3, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

  - PINS Date: Jun 9, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

  - PINS Date: Nov 22, 2013 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 2, 2017 | Approved

  - PINS Date: Nov 15, 2013 | Public Review Date: Feb 24, 2017 | Final Action Date: Jun 6, 2017 | Approved

- **ANSI/AWS C4.5M-2012, Uniform Designation System for Oxyfuel Nozzles** (revision of ANSI/AWS C4.5M-2006)
  - PINS Date: Feb 10, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Jun 5, 2012 | Approved

  - PINS Date: Mar 2, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 30, 2012 | Approved

- **ANSI/AWS C4.7/C4.7M-2020, Recommended Practices for Oxyacetylene Welding of Steel** (new standard)
  - PINS Date: Sep 18, 2015 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 7, 2020 | Approved

  - PINS Date: Aug 26, 2016 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 4, 2021 | Approved

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<td>ANSI/AWS C7.3M/C7.3-2016, Process Specification for Electron Beam Welding</td>
<td>(revision of ANSI/AWS C7.3-1999 (R2003))</td>
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<td>ANSI/AWS D1.6/D1.6M-2017-AMD1, Structural Welding Code - Stainless Steel</td>
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  PINS Date: Jan 3, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: May 27, 2021 | Approved

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  PINS Date: Oct 25, 2013 | Public Review Date: Dec 8, 2017 | Final Action Date: Feb 16, 2018 | Approved

  PINS Date: Oct 25, 2013 | Public Review Date: Oct 30, 2020 | Final Action Date: Jan 25, 2021 | Approved

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  PINS Date: Nov 18, 2016 | Public Review Date: Jul 10, 2020 | Final Action Date: Oct 2, 2020 | Approved

  PINS Date: Mar 13, 2015 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/AWS D18.2-2020, Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube (new standard)
  PINS Date: Mar 13, 2015 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

  PINS Date: Nov 8, 2013 | Public Review Date: Jul 3, 2015 | Final Action Date: Aug 20, 2015 | Approved
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  PINS Date: Jun 13, 2014 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

  PINS Date: Aug 15, 2014 | Public Review Date: Oct 21, 2016 | Final Action Date: Jan 10, 2017 | Approved

  PINS Date: Apr 3, 2015 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

- ANSI/AWS D8.10M-2021, Specification for Automotive Weld Quality - Laser Beam Welding of Steel (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Sep 8, 2020 | Approved

  PINS Date: Jan 30, 2015 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 18, 2017 | Approved

  PINS Date: Feb 3, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: May 5, 2021 | Approved

  PINS Date: Jan 28, 2005 | Public Review Date: Jan 20, 2017 | Final Action Date: Mar 9, 2017 | Approved

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  PINS Date: Sep 23, 2016 | Public Review Date: May 28, 2021 | Final Action Date: Nov 11, 2021 | Approved

  PINS Date: Mar 15, 2013 | Public Review Date: May 12, 2017 | Final Action Date: Sep 29, 2017 | Approved

- ANSI/AWS F1.1M-2017, Methods for Sampling Fumes and Gases Generated by Welding and Allied Processes (new standard)
  PINS Date: Jul 3, 2009 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 29, 2017 | Approved

  PINS Date: Sep 14, 2012 | Public Review Date: Oct 5, 2012 | Final Action Date: Feb 25, 2013 | Approved

  PINS Date: Apr 4, 2008 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 18, 2017 | Approved

- ANSI/AWS F2.2-2001 (R2019), Lens Shade Selector (reaffirmation of ANSI/AWS F2.2-2001 (R2009))
  PINS Date: May 26, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

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  PINS Date: Aug 12, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: Aug 3, 2017 | Approved

- ANSI/AWS F4.2-2019, Safety Guidelines for Proper Selection of Welding Cables (new standard)
  PINS Date: Oct 4, 2013 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 4, 2019 | Approved

  PINS Date: Apr 15, 2005 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 21, 2016 | Approved

- ANSI/AWS G1.6-2022, Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants (new standard)
  PINS Date: Aug 12, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: Dec 7, 2021 | Approved

  PINS Date: Apr 9, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Oct 16, 2012 | Approved

- ANSI/AWS G2.3M/G2.3-2018, Guide for the Joining of Solid Solution Austenitic Stainless Steels (revision of ANSI/AWS G2.3M/G2.3-2012)
  PINS Date: Oct 9, 2015 | Public Review Date: Jun 29, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/AWS G2.4/G2.4M-2021, Guide for the Fusion Welding of Titanium and Titanium Alloys (revision of ANSI/AWS G2.4/G2.4M-2014)
  PINS Date: Aug 18, 2017 | Public Review Date: Feb 12, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI/AWS G2.5/G2.5M-2012, Guide for the Fusion Welding of Zirconium and Zirconium Alloys (new standard)
  PINS Date: May 14, 2010 | Public Review Date: Aug 12, 2011 | Final Action Date: Jan 17, 2012 | Approved

- ANSI/AWS J1.1/J1.1M-2013, Specification for Resistance Welding Controls (new standard)
  PINS Date: Dec 25, 2009 | Public Review Date: Apr 26, 2013 | Final Action Date: Jul 29, 2013 | Approved

- ANSI/AWS J1.2M/J1.2-2016, Guide for Installation and Maintenance of Resistance Welding Machines (new standard)
  PINS Date: Oct 3, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Aug 4, 2016 | Approved

  PINS Date: Jul 13, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

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  PINS Date: Jun 29, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

- ANSI/AWS NAVSEA B2.1-8-310-2020, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

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AWWA (American Water Works Association)

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- ANSI/AWWA B403-2016, Aluminum Sulfate  (revision of ANSI/AWWA B403-2009)
  PINS Date: May 25, 2012 | Public Review Date: Feb 5, 2016 | Final Action Date: Mar 31, 2016 | Approved

- ANSI/AWWA B404-2014, Liquid Sodium Silicate  (revision of ANSI/AWWA B404-2008)
  PINS Date: Apr 15, 2011 | Public Review Date: Feb 28, 2014 | Final Action Date: Apr 17, 2014 | Approved

- ANSI/AWWA B405-2016, Sodium Aluminate  (revision of ANSI/AWWA B405-2006)
  PINS Date: Mar 14, 2008 | Public Review Date: Mar 18, 2016 | Final Action Date: May 12, 2016 | Approved

  PINS Date: Jan 29, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Feb 11, 2020 | Approved

  PINS Date: May 3, 2013 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 3, 2018 | Approved

- ANSI/AWWA B408-2017, Liquid Polyaluminum Chloride  (revision of ANSI/AWWA B408-2010)
  PINS Date: May 25, 2012 | Public Review Date: Aug 4, 2017 | Final Action Date: Sep 28, 2017 | Approved

- ANSI/AWWA B451-2016, Poly(Diallyldimethylammonium Chloride)  (revision of ANSI/AWWA B451-2010)
  PINS Date: May 25, 2012 | Public Review Date: Feb 26, 2016 | Final Action Date: Apr 18, 2016 | Approved

- ANSI/AWWA B452-2020, EPI-DMA Polyamines  (revision of ANSI/AWWA B452-2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Feb 11, 2020 | Approved

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  PINS Date: Sep 1, 2017 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 16, 2021 | Approved

  PINS Date: Sep 12, 2014 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 28, 2017 | Approved

- ANSI/AWWA C560-2021, Cast-Iron Slide Gates (revision, redesignation and consolidation of ANSI/AWWA C560-2014)
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- ANSI/AWWA C560a-2015, Cast Iron Slide Gates (supplement to ANSI/AWWA C560-2014)
  PINS Date: Apr 25, 2014 | Public Review Date: Sep 5, 2014 | Final Action Date: Oct 29, 2014 | Approved

- ANSI/AWWA C561-2021, Fabricated Stainless-Steel Slide Gates (revision of ANSI/AWWA C561-2014)
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- ANSI/AWWA C562-2021, Fabricated Aluminum Slide Gates (revision of ANSI/AWWA C562-2014)
  PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWWA C563-2021, Fabricated Composite Slide Gates (revision of ANSI/AWWA C563-2014)
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- ANSI/AWWA C602-2017, Cement-Mortar Lining of Water Pipelines in Place - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C602-2011)
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- ANSI/AWWA C604-2017, Installation of Buried Steel Water Pipe - 4 In. (100 mm) and Larger (revision of ANSI/AWWA C604-2011)
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- ANSI/AWWA C605-2021, Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings (revision of ANSI/AWWA C605-2013)
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- ANSI/AWWA C606-2015, Grooved and Shouldered Joints (revision of ANSI/AWWA C606-2011)
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- ANSI/AWWA C620-2019, Spray-In-Place Polymeric Lining for Potable Water Pipelines 4 In. (100 mm) and Larger (revision of ANSI/AWWA C620-2008 (R2017))
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- ANSI/AWWA C621-2018, Internal Pipe Joint Seal Assemblies for Water Service (new standard)
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- ANSI/AWWA C622-2019, Pipe Bursting of Potable Water Mains 4-In. to 36-In. (new standard)
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- ANSI/AWWA C623-2021, Cured-in-Place Pipe (CIPP) Rehabilitation of Pressurized Potable Water Pipelines, 4 in. (100 mm) and Larger. (new standard)
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- ANSI/AWWA C651-2014, Disinfecting Water Mains (revision of ANSI/AWWA C651-2005)
  PINS Date: Mar 14, 2008 | Public Review Date: May 16, 2014 | Final Action Date: Nov 18, 2014 | Approved

- ANSI/AWWA C651a-2019, Addendum to C651-14, Disinfecting Water Mains (supplement to ANSI/AWWA C651-2014)
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- ANSI/AWWA C652-2019, Disinfection of Water-Storage Facilities (revision of ANSI/AWWA C652-2011)
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- ANSI/AWWA C653-2020, Disinfection of Water Treatment Plants (revision of ANSI/AWWA C653-2013)
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- ANSI/AWWA C654-2021, Disinfection of Wells (revision of ANSI/AWWA C654-2013)
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  PINS Date: Sep 30, 2016 | Public Review Date: Jun 12, 2020 | Final Action Date: Aug 4, 2020 | Approved

- ANSI/AWWA C671-2021, Online Turbidimeter Operation and Maintenance (revision of ANSI/AWWA C671-2015)
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- ANSI/AWWA C700-2020, Cold-Water Meters – Displacement Type, Metal Alloy Main Case (revision of ANSI/AWWA C700-2015)
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- ANSI/AWWA C702-2019, Cold-Water Meters – Compound Type (revision of ANSI/AWWA C702-2015)
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- ANSI/AWWA C703-2019, Cold-Water Meters – Fire-Service Type (revision of ANSI/AWWA C703-2015)
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- ANSI/AWWA C707-2010 (R2015), Encoder-Type Remote-Registration Systems for Cold-Water Meters (reaffirmation of ANSI/AWWA C707-2010)
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- ANSI/AWWA C710-2020, Cold-Water Meters – Displacement Type, Plastic Main Case (revision of ANSI/AWWA C710-2015)
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- ANSI/AWWA C715-2018, Cold Water Meters - Electromagnetic and Ultrasonic Type, for Revenue Applications (new standard)
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- ANSI/AWWA C750-2019, Transit-Time Flowmeters in Full Closed Conduits (revision of ANSI/AWWA C750-2016)
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- ANSI/AWWA C800-2021, Underground Service Line Valves and Fittings (revision of ANSI/AWWA C800-2014)
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- ANSI/AWWA C810-2017, Replacement and Flushing of Lead Service Lines (new standard)
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- ANSI/AWWA C900-2016, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. through 60 In. (100 mm through 1,500 mm) for Water Transmission and Distribution (revision, redesignation and consolidation of ANSI/AWWA C900-2007, ANSI/AWWA C905-2010)
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- ANSI/AWWA C901-2020, Polyethylene (PE) Pressure Pipe and Tubing, 3/4 In. (19 mm) Through 3 In. (76 mm), for Water Service (revision of ANSI/AWWA C901-2017)
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- 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)
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- ANSI/AWWA C904-2015, Cross-linked Polyethylene (PEX) Pressure Tubing, 1/2 In. (13 mm) Through 3 In. (76 mm), for Water Service (revision of ANSI/AWWA C904-2006)
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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)
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- ANSI/AWWA C909-2015, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 Mm) and Larger (revision of ANSI/AWWA C909-2009)
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- ANSI/AWWA C950-2020, Fiberglass Pressure Pipe (revision of ANSI/AWWA C950-2013)
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<td>ANSI B11.7-2020, Cold Headers and Cold Formers - Safety Requirements for Construction, Care, and Use</td>
<td>Apr 7, 2006</td>
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<td>(revision of ANSI B11.7-1995 (R2020))</td>
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<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Sep 8, 2020</td>
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<td>ANSI B11.8-2021, Safety Requirements for Manual Milling, Drilling and Boring Machines with or without Automatic Control</td>
<td>Feb 18, 2011</td>
<td>Jan 29, 2021</td>
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<td>(revision of ANSI B11.8-2001 (R2020))</td>
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<td>Final Action Date: May 24, 2021</td>
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<td>ANSI/B11.15-2022, Safety Requirements for Bar, Pipe, Tube, and Shape Bending Machines</td>
<td>Feb 18, 2011</td>
<td>Nov 5, 2021</td>
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<td>(revision of ANSI B11.15-2001 (R2020))</td>
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<td>Public Review Date: Dec 30, 2011</td>
<td>Final Action Date: Mar 5, 2012</td>
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### BHCOE (Behavioral Health Center of Excellence)

7083 Hollywood Boulevard, #565, Los Angeles, CA 90028 | w: www.bhcoe.org

  - PINS Date: May 10, 2019 | Public Review Date: Jul 3, 2020 | Final Action Date: Nov 23, 2020 | Approved

### BHMA (Builders Hardware Manufacturers Association)

17 Faulkner Drive, Niantic, CT 06357 | w: www.buildershardware.com

- **ANSI/BHMA A156.1-2016, Butts and Hinges (revision of ANSI/BHMA A156.1-2013)**
  - PINS Date: Aug 21, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 15, 2016 | Approved

- **ANSI/BHMA A156.1-2021, BHMA A156.1 Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)**
  - PINS Date: Apr 3, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jun 1, 2021 | Approved

  - PINS Date: Dec 26, 2014 | Public Review Date: Jun 2, 2017 | Final Action Date: Jul 21, 2017 | Approved

- **ANSI/BHMA A156.11-2019, Standard for Cabinet Locks (revision of ANSI/BHMA A156.11-2014)**
  - PINS Date: Jan 5, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 6, 2019 | Approved

  - PINS Date: Jan 5, 2018 | Public Review Date: Aug 10, 2018 | Final Action Date: Aug 10, 2018 | Approved

  - PINS Date: Mar 4, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 20, 2017 | Approved

  - PINS Date: Oct 14, 2016 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 23, 2019 | Approved

  - PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- **ANSI/BHMA A156.16-2013 (R2018), Standard for Auxiliary Hardware (reaffirmation of ANSI/BHMA A156.16-2013)**
  - PINS Date: Jun 22, 2018 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 5, 2018 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 23, 2019 | Approved

- **ANSI/BHMA A156.18-2020, Standard For Materials and Finishes (revision of ANSI/BHMA A156.18-2016)**
  - PINS Date: Jun 22, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved

  - PINS Date: Jan 5, 2018 | Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

- **ANSI/BHMA A156.2-2017, Bored and Preassembled Locks and Latches (revision of ANSI/BHMA A156.2-2011)**
  - PINS Date: Aug 21, 2015 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 21, 2017 | Approved

- **ANSI/BHMA A156.20-2021, Standard For Strap And Tee Hinges, And Hasps (revision of ANSI/BHMA A156.20-2017)**
  - PINS Date: Jan 29, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved
BHMA (Builders Hardware Manufacturers Association)

- ANSI/BHMA A156.21-2019, Standard For Thresholds (revision of ANSI/BHMA A156.21-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 3, 2019 | Approved

- ANSI/BHMA A156.22-2021, Standard For Door Gasketing And Edge Seal Systems (revision of ANSI/BHMA A156.22-2017)
  PINS Date: Mar 5, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 28, 2021 | Approved

  PINS Date: Mar 26, 2021 | Public Review Date: Oct 1, 2021 | Final Action Date: Dec 16, 2021 | Approved

  PINS Date: Oct 14, 2016 | Public Review Date: Feb 9, 2018 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/BHMA A156.25-2018, Electrified Locking Devices (revision of ANSI/BHMA A156.25-2013)
  PINS Date: Jan 5, 2018 | Public Review Date: Jun 22, 2018 | Final Action Date: Aug 10, 2018 | Approved

  PINS Date: Jan 29, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/BHMA A156.28-2013 (R2018), Recommended Practice for Mechanical Keying Systems (reaffirmation of ANSI/BHMA A156.28-2013)
  PINS Date: Jun 22, 2018 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 5, 2018 | Approved

  PINS Date: Mar 26, 2021 | Public Review Date: Oct 1, 2021 | Final Action Date: Dec 16, 2021 | Approved

- ANSI/BHMA A156.3-2020, Standard For Exit Devices (revision of ANSI/BHMA A156.3-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved

- ANSI/BHMA A156.30-2020, Standard for High Security Cylinders (revision of ANSI/BHMA A156.30-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 1, 2020 | Approved

- ANSI/BHMA A156.31-2019, Standard for Electric Strikes and Frame Mounted Actuators (revision of ANSI/BHMA A156.31-2013)
  PINS Date: Jan 5, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/BHMA A156.32-2014, Integrated Door Opening Assemblies (revision of ANSI/BHMA A156.32-2008)
  PINS Date: Feb 1, 2013 | Public Review Date: Sep 5, 2014 | Final Action Date: Dec 15, 2014 | Approved

- ANSI/BHMA A156.33-2019, Standard For Internally Powered Architectural Hardware Devices (new standard)
  PINS Date: Oct 14, 2016 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/BHMA A156.34-2019, Standard for Bored Locks And Mortise Locks With Ligature Resistant Trim (revision of ANSI/BHMA A156.34-2016)
  PINS Date: Jan 5, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/BHMA A156.35-2020, Standard For Power Supplies For Electronic Access Control (new standard)
  PINS Date: Jun 22, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/BHMA A156.36-2020, Standard for Auxiliary Locks (revision of ANSI/BHMA A156.36-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved
Approved American National Standards

BHMA (Builders Hardware Manufacturers Association)

  PINS Date: Nov 30, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/BHMA A156.38-2019, LOW ENERGY POWER OPERATED SLIDING AND FOLDING DOORS  (revision of ANSI/BHMA A156.38-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved

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

  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved

- ANSI/BHMA A156.41-2020, STANDARD FOR DOOR HARDWARE SINGLE MOTION TO EGRESS  (revision of ANSI/BHMA A156.41-2017)
  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 4, 2020 | Approved

- ANSI/BHMA A156.44-2021, Standard For Hardware For Architectural Glass Openings  (new standard)
  PINS Date: Dec 18, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/BHMA A156.5-2020, Standard for Cylinders and Input Devices  (revision of ANSI/BHMA A156.5-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 1, 2020 | Approved

- ANSI/BHMA A156.6-2021, Standard For Architectural Door Trim  (revision of ANSI/BHMA A156.6-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved

- ANSI/BHMA A156.7-2021, Standard for Template Hinge Dimensions  (revision of ANSI/BHMA A156.7-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 6, 2021 | Final Action Date: Jan 26, 2022 | Approved

- ANSI/BHMA A156.8-2021, Door Controls - Overhead Stops And Holders  (revision of ANSI/BHMA A156.8-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/BHMA A156.9-2020, Standard For Cabinet Hardware  (revision of ANSI/BHMA A156.9-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved

BICSI (Building Industry Consulting Service International)

8610 Hidden River Parkway, Tampa, FL  33637 | w: www.bicsi.org

  PINS Date: Apr 2, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Jan 31, 2022 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 8, 2019 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Oct 25, 2013 | Final Action Date: Dec 20, 2013 | Approved

  PINS Date: Nov 25, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Apr 5, 2018 | Approved
## BICSI (Building Industry Consulting Service International)

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<td>ANSI/BICSI N3-2019, Planning and Installation Methods for the Bonding and Grounding of Telecommunication and ICT Systems and Infrastructure (new standard)</td>
<td>PINS Date: Oct 5, 2018</td>
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## BIFMA (Business and Institutional Furniture Manufacturers Association)

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<td>ANSI/BIFMA X5.4-2020, Public and Lounge Seating (revision of ANSI/BIFMA X5.4-2012)</td>
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<tr>
<td>ANSI/BIFMA X5.41-2021, Large Occupant Public and Lounge Seating (new standard)</td>
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<td>ANSI/BIFMA X5.5-2021, Desk and Table Products (revision of ANSI/BIFMA X5.5-2014)</td>
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<td>ANSI/BIFMA X5.6-2016 (R2021), Panel Systems (reaffirmation of ANSI/BIFMA X5.6-2016)</td>
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<td>ANSI/BIFMA X5.9-2019, Storage Units (revision of ANSI/BIFMA X5.9-2012)</td>
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<td>ANSI/BIFMA X6.4-2021, Occasional-Use Seating (new standard)</td>
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BIFMA (Business and Institutional Furniture Manufacturers Association)

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

  PINS Date: Dec 28, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Sep 17, 2013 | Approved

BOMA (Building Owners and Managers Association)

  PINS Date: Jul 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Sep 12, 2017 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 8, 2019 | Approved

- ANSI/BOMA Z65.5-2020, BOMA 2020 for Retail Properties: Standard Method of Measurement (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Jan 13, 2022 | Approved

BPI (Building Performance Institute)

- ANSI/BPI-1100-T-2014, Home Energy Auditing Standard (new standard)
  PINS Date: Oct 22, 2010 | Public Review Date: Jul 11, 2014 | Final Action Date: Nov 18, 2014 | Approved

  PINS Date: Apr 7, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | Approved

CAGI (Compressed Air and Gas Institute)

  PINS Date: May 3, 2013 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 1, 2020 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Mar 18, 2011 | Final Action Date: Nov 11, 2011 | Approved

  PINS Date: Oct 15, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Jul 1, 2013 | Approved
### CAPA (Certified Automotive Parts Association)

c/o Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI 49512 | w: www.CAPAcertified.org

  - PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

  - PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

### CEMA (Conveyor Equipment Manufacturers Association)

1250 Tamiami Trail N, Suite 211, Naples, FL 34102 | w: www.cemanet.org

- **ANSI/CEMA 102-2012, Conveyor Terms and Definitions** (revision of ANSI/CEMA 102-2006)
  - PINS Date: Jan 8, 2010 | Public Review Date: Sep 9, 2011 | Final Action Date: Jan 31, 2012 | Approved

  - Public Review Date: Nov 7, 2014 | Final Action Date: Jan 28, 2015 | Approved

  - PINS Date: Aug 10, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Feb 15, 2019 | Approved

  - PINS Date: May 8, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Aug 5, 2021 | Approved

  - PINS Date: May 8, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Aug 5, 2021 | Approved

- **ANSI/CEMA Standard No. 300-2021, Screw Conveyor Dimensional Standards** (revision and redesignation of ANSI/CEMA 300-2015)
  - PINS Date: May 8, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 26, 2021 | Approved

  - PINS Date: May 8, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 26, 2021 | Approved

- **ANSI/CEMA Standard No. 401-2020, Roller Conveyors - Non-Powered** (revision and redesignation of ANSI/CEMA 401-2003 (R2015))
  - PINS Date: Nov 15, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: May 7, 2020 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved
## CEMA (Conveyor Equipment Manufacturers Association)

- ANSI/CEMA Standard No. 405-2003 (R2020), Slat Conveyors  (reaffirmation and redesignation of ANSI/CEMA 405-2003 (R2015))
  - PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 17, 2020 | Approved

## CGA (Compressed Gas Association)

- ANSI CGA G-2.1-2014, Standard Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1)  (new standard)
  - PINS Date: Jan 9, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 12, 2014 | Approved

  - PINS Date: Feb 5, 2016 | Final Action Date: Aug 4, 2016 | Approved

  - PINS Date: Jul 14, 2017 | Public Review Date: Jun 12, 2020 | Final Action Date: Oct 13, 2020 | Approved

- ANSI/CGA M-1-2018, Standard for Medical Gas Supply Systems at Health Care Facilities  (new standard)
  - PINS Date: Dec 27, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 23, 2018 | Approved

  - PINS Date: Dec 23, 2016 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 28, 2020 | Approved

## CPA (Composite Panel Association)

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

- ANSI A135.5-2012 (R2020), Prefinished Hardboard Paneling  (reaffirmation of ANSI A135.5-2012)
  - PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.6-2012 (R2020), Engineered Wood Siding  (reaffirmation of ANSI A135.6-2012)
  - PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.7-2010 (R2020), Engineered Wood Trim  (reaffirmation of ANSI A135.7-2010)
  - PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A208.1-2016, Particleboard  (revision of ANSI A208.1-2009)
  - PINS Date: Feb 7, 2014 | Public Review Date: Nov 27, 2015 | Final Action Date: May 12, 2016 | Approved

- ANSI A208.2-2016, Medium Density Fiberboard (MDF) for Interior Applications  (revision of ANSI A208.2-2009)
  - PINS Date: Feb 7, 2014 | Public Review Date: Nov 27, 2015 | Final Action Date: May 12, 2016 | Approved
CPLSO (CPLSO)
The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG

  Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/CPLSO 18-2021, Crane Insulators - selection, use and maintenance (new standard)
  PINS Date: Jun 4, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/CPLSO 60335-2-76-2020, Particular requirements for electric fence energizers (national adoption with modifications of IEC 60335-2-76 (2018))
  PINS Date: Dec 20, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 15, 2020 | Approved

- ANSI/CPLSO-17-2017, Electrical Characteristics of ECDs and CEWs. (new standard)
  PINS Date: Mar 10, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | Approved

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

  PINS Date: Jun 15, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Mar 29, 2021 | Approved

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

  PINS Date: Apr 29, 2016 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 30, 2016 | Approved

  PINS Date: Apr 29, 2016 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 30, 2016 | Approved

  PINS Date: Aug 28, 2020 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 15, 2021 | Approved

  PINS Date: Aug 28, 2020 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 10, 2022 | Approved

  PINS Date: Apr 29, 2016 | Public Review Date: Sep 16, 2016 | Final Action Date: Nov 30, 2016 | Approved

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

- ANSI CSA LNG 4.1-2018, Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (new standard)
  PINS Date: May 12, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Jun 8, 2018 | Approved
## Approved American National Standards

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<td>Public Review Date: Oct 7, 2016</td>
<td>Final Action Date: Nov 30, 2016</td>
<td>Approved</td>
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<td>ANSI NGV 4.8/CSA 12.8-2020, Natural gas vehicle fueling station compressor packages</td>
<td>Public Review Date: Jul 29, 2017</td>
<td>Final Action Date: Sep 23, 2017</td>
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<td>ANSI Z21.101-2022, Gas hose connectors for portable and moveable gas appliances, same as CSA 8.5</td>
<td>PINS Date: Feb 26, 2021</td>
<td>Public Review Date: Nov 19, 2021</td>
<td>Final Action Date: Jan 7, 2022</td>
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<td>ANSI Z21.103-2017, Unvented Portable Type Gas Camp Heaters for Indoor and Outdoor Use, same as BSR Z21.103</td>
<td>PINS Date: Sep 28, 2012</td>
<td>Public Review Date: Aug 25, 2017</td>
<td>Final Action Date: Dec 6, 2017</td>
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<td>ANSI Z21.11.3-2016 (R2021), Gas-fired room heaters, volume III, propane-fired portable emergency use heater systems, same as Z21.11.3</td>
<td>Public Review Date: Aug 13, 2021</td>
<td>Final Action Date: Sep 28, 2021</td>
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<td>ANSI Z21.13-2017, Gas-fired low pressure steam and hot boilers (Same as CSA 4.9-201x)</td>
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<td>Public Review Date: Mar 10, 2017</td>
<td>Final Action Date: May 11, 2017</td>
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<td>ANSI Z21.15-2021, Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves, same as CSA 9.1</td>
<td>PINS Date: Nov 20, 2020</td>
<td>Public Review Date: Sep 3, 2021</td>
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<td>ANSI Z21.17-1998 (R2019); ANSI Z21.17a-2008 (R2019), Standard for Domestic Gas Conversion Burners (same as CSA 2.7-M98; CSA 2.7a)</td>
<td>Public Review Date: Jun 28, 2019</td>
<td>Final Action Date: Aug 29, 2019</td>
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<td>ANSI Z21.18-2019, Gas Appliance Pressure Regulators, same as CSA 6.3-201x</td>
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CSA (CSA America Standards Inc.)

  PINS Date: Apr 27, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 4, 2019 | Approved

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  PINS Date: Dec 29, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 9, 2019 | Approved

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  Public Review Date: Mar 6, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI Z21.23-2021, Gas Appliance Thermostats, same as CSA 6.6 (revision of ANSI Z21.23-2010 (R2020))
  PINS Date: Jun 18, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved

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- ANSI Z21.5.1-2017, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers, same as CSA 7.1-201x (revision of ANSI Z21.5.1-2016)
  PINS Date: Aug 26, 2016 | Public Review Date: Jun 16, 2017 | Final Action Date: Aug 21, 2017 | Approved
### CSA (CSA America Standards Inc.)

- **ANSI Z21.5.2-2016 (R2021)**, Gas clothes dryers, Volume II, type 2, clothes dryers (same as ANSI Z21.5.2x (reaffirmation of ANSI Z21.5.2-2016))
  - Public Review Date: May 14, 2021 | Final Action Date: Aug 5, 2021 | Approved

- **ANSI Z21.50-2019**, Vented decorative gas appliances, same as CSA 2.22 (revision of ANSI Z21.50-2016)
  - PINS Date: Dec 30, 2016 | Public Review Date: Jan 25, 2019 | Final Action Date: Apr 10, 2019 | Approved

  - PINS Date: Jan 5, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Mar 14, 2019 | Approved

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- **ANSI Z21.75-2016 (R2020)**, Connectors for outdoor gas appliances and manufactured homes, same as Z21.75 (reaffirmation of ANSI Z21.75-2016)
  - Public Review Date: Jul 24, 2020 | Final Action Date: Nov 19, 2020 | Approved
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Approved: Indicates that the standard has been formally approved by the American National Standards Institute (ANSI).
PINS Date: Jul 6, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Nov 11, 2019 | Approved

ANSI Z21.90a-2021/CSA 6.24A-2021, Gas Convenience Outlets and Optional Enclosures, same as CSA 6.24a  
(addenda to ANSI Z21.90-2019)
PINS Date: Nov 13, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 9, 2021 | Approved

ANSI Z21.91-2017, Ventless Firebox Enclosures for Gas-Fired Unvented Decorative Room Heaters, same as BSR  
Z21.91-201x, same as BSR Z21.91-201x  
(revision of ANSI Z21.91-2007 (R2012)) 
Public Review Date: Aug 26, 2016 | Final Action Date: Jan 3, 2017 | Approved

ANSI Z21.91-2019, Ventless Firebox Enclosures For Gas-Fired Unvented Gas Log Type Room Heaters  
(revision of ANSI Z21.91-2001 (R2005))
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ANSI Z21.92-2001 (R2021), ANSI Z21.94a-2007 (R2021), Manually Operated Electric Gas Ignition Systems and  
Components, same as CSA 6.29  
Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

ANSI Z21.93-2017, Excess Flow Valves for Natural Gas and Propane Gas up to Pressures of 5 psig (same as CSA 6.30)  
(revision of ANSI Z21.93-2013)
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Components, Same As CSA 6.31  
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ANSI Z21.96-2019, Portable water heaters for outdoor use, same as CSA 11.6  
(revision of ANSI Z21.96-2014)
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ANSI Z21.96a-2021, Portable Water Heatersfor Outdoor Use, same as CSA 11.6a  
(addenda to ANSI Z21.96-2019)
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ANSI Z21.97-2017, Outdoor Decorative Gas Appliances, same as CSA 2.41-201x  
(revision of ANSI Z21.97-2014)
PINS Date: Sep 30, 2016 | Public Review Date: May 19, 2017 | Final Action Date: Dec 11, 2017 | Approved

ANSI Z21.98-2015 (R2020), Non-metallic dip tubes for use in water heaters, same as CSA 4.10  
(reaffirmation of ANSI Z21.98-2015)  
Public Review Date: Mar 6, 2020 | Final Action Date: May 8, 2020 | 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 Date: Nov 27, 2020 | Final Action Date: Jan 14, 2021 | Approved

ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and  
industrial applications, same as Z83.18  
(reaffirmation of ANSI Z83.18-2016) 
Public Review Date: Mar 26, 2021 | Final Action Date: May 13, 2021 | Approved

ANSI Z83.19-2017, Standard for Gas-Fired High Intensity Infrared Heaters, same as CSA 2.35  
(revision of ANSI Z83.19-2009 (R2014)) 
PINS Date: May 29, 2015 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | 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 Date: Oct 29, 2021 | Final Action Date: Dec 14, 2021 | Approved
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<td>ANSI Z83.21-2019, Z83.21</td>
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<td>Jul 24, 2015</td>
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<td>ANSI Z83.7-2017</td>
<td>Gas-Fired Construction Heaters, same as CSA 2.14 (revision of ANSI Z83.7-2011 (R2016))</td>
<td>Sep 9, 2016</td>
<td>Nov 28, 2017</td>
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<td>ANSI Z83.8-2015 (R2021)</td>
<td>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)</td>
<td>May 18, 2018</td>
<td>Nov 30, 2017</td>
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# CSA (CSA America Standards Inc.)

- **ANSI/CSA C22.2 No. 19085-8-2021**, Woodworking machines — Safety — Part 8: Belt sanding and calibrating machines for straight workpieces (national adoption with modifications of ISO 19085-8)
  - PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved

- **ANSI/CSA C22.2 No. 273-2019**, Cablebus (new standard)
  - PINS Date: Jul 24, 2015 | Public Review Date: May 24, 2019 | Final Action Date: Jul 31, 2019 | Approved

- **ANSI/CSA C22.2 No. 298-2021**, High Voltage Couplers (new standard)
  - PINS Date: Mar 1, 2019 | Public Review Date: Apr 9, 2021 | Final Action Date: Jul 26, 2021 | Approved

- **ANSI/CSA C22.2 No. 336-2018**, Particular requirements for rechargeable battery-operated commercial robotic floor treatment machines with traction drives (new standard)
  - PINS Date: Nov 11, 2016 | Public Review Date: Sep 15, 2017 | Final Action Date: Dec 4, 2017 | Approved

  - PINS Date: Jan 4, 2019 | Public Review Date: Mar 1, 2019 | Final Action Date: May 23, 2019 | Approved

- **ANSI/CSA C450-2018**, Photovoltaic (PV) module testing protocol for quality assurance programs (new standard)
  - PINS Date: May 8, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Oct 18, 2018 | Approved

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  - Public Review Date: Jun 11, 2021 | Final Action Date: Aug 12, 2021 | Approved

- **ANSI/CSA FC 5-2021**, Hydrogen generators using fuel processing technologies - Part 1: Safety (national adoption with modifications of ISO 16110-1)
  - PINS Date: Nov 6, 2009 | Public Review Date: Jan 27, 2017 | Final Action Date: Jan 6, 2021 | Approved

- **ANSI/CSA FC 6-2018**, Fuel cell technologies Part 2: Fuel cell modules (national adoption with modifications of IEC 62282-2-100)
  - PINS Date: Oct 6, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Nov 20, 2018 | Approved

- **ANSI/CSA HGV 2-2021**, Compressed hydrogen gas vehicle fuel containers (revision of ANSI/CSA HGV 2-2014 (R2019))
  - PINS Date: Aug 30, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 8, 2021 | Approved

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CSA (CSA America Standards Inc.)

- ANSI/CSA HGV 4.3-2022, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3-2019)
  PINS Date: Dec 4, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jan 6, 2022 | Approved

- ANSI/CSA HGV 4.4-2013 (R2018), Standard for breakaway devices for compressed hydrogen dispensing hoses and systems (reaffirmation of ANSI/CSA HGV 4.4-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

  PINS Date: Jun 26, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/CSA HGV 4.6-2013 (R2018), Manually operated valves for use in gaseous hydrogen vehicle fueling stations (reaffirmation of ANSI/CSA HGV 4.6-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

- ANSI/CSA HGV 4.8-2012 (R2018), Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012)
  Public Review Date: May 18, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/CSA HGV 4.9-2020, Hydrogen Fueling Stations (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 27, 2020 | Approved

- ANSI/CSA HPRD 1-2021, Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers (revision of ANSI/CSA HPRD 1-2013 (R2018))
  PINS Date: Feb 28, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 16, 2021 | Approved

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- ANSI/CSA LNG 3.1-2018, Road Vehicles- Liquified natural gas (LNG) fuel system components - Part 1: General requirements and definitions (national adoption with modifications of ISO 12614-1)
  PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

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ANSI/CSA LNG 3.18-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 18: Gas temperature sensor  (national adoption with modifications of ISO 12614-18)
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ANSI/CSA LNG 3.20-2020, LNG Fuel System Components-Part 20 flexible fuel or vent lines  (new standard)
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ANSI/CSA LNG 3.3-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve  (national adoption with modifications of ISO 12614-3)
PINS Date: May 5, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

ANSI/CSA LNG 3.4-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 4: Manual valve  (national adoption with modifications of ISO 12614-4)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

ANSI/CSA LNG 3.5-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge  (national adoption with modifications of ISO 12614-5)
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ANSI/CSA LNG 3.7-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 7: Pressure relief valve  (national adoption with modifications of ISO 12614-7)
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ANSI/CSA LNG 3.8-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve  (national adoption with modifications of ISO 12614-8)
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CSA (CSA America Standards Inc.)

- ANSI/CSA LNG 4.2-2020/CSA LNG 4.2-2020, Hoses for Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (new standard)
  PINS Date: Apr 5, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Mar 24, 2020 | Approved

- ANSI/CSA LNG 4.4-2020, Breakaway Devices for Liquefied Natural Gas (LNG) Dispensing (new standard)
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- ANSI/CSA NGV 4.2-2014 (R2019), Hoses For Natural Gas Dispensing Systems (reaffirmation of ANSI/CSA NGV 4.2-2014)
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- ANSI/CSA NGV 4.7-2020, Automatically pressure operated valves for natural gas dispensing systems (new standard)
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- ANSI/CSA NGV 5.1-2016 (R2020), Residential Fueling Appliances (reaffirmation of ANSI/CSA NGV 5.1-2016)
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### ANSI/CSA PRD 1-2021
- **Pressure relief devices for natural gas vehicle (NGV) fuel containers** (addenda to ANSI/PRD 1-2020)
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  - Final Action Date: Mar 16, 2021
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### ANSI/CSA Z21.10.3-2019
- **Gas Water Heaters, Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous, same as CSA 4.3** (revision and redesignation of ANSI Z21.10.3-2017)
  - PINS Date: Dec 29, 2017
  - Public Review Date: May 3, 2019
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### ANSI/CSA Z21.11.2-2019
- **Standard for Gas-Fired Room Heaters, Volume II, Unvented Room Heaters** (revision of ANSI Z21.11.2-2016)
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### ANSI/CSA Z21.47/CSA 2.3-2021
- **Gas-fired central furnaces, same as CSA 2.3** (revision and redesignation of ANSI Z21.47-2016)
  - PINS Date: Jan 17, 2020
  - Public Review Date: Jun 12, 2020
  - Final Action Date: Apr 21, 2021
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### ANSI/CSA Z21.56-2019
- **Gas-fired Pool Heaters, same as CSA 4.7** (revision and redesignation of ANSI Z21.56-2017)
  - PINS Date: Dec 29, 2017
  - Public Review Date: May 3, 2019
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### ANSI/CSA Z741-2012 (R2018)
- **Geological Storage of Carbon Dioxide** (reaffirmation of ANSI/CSA Z741-2012)
  - Public Review Date: Sep 22, 2017
  - Final Action Date: Jan 12, 2018
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### ANSI/CSA/IGSHPA C448 SERIES-2016 (R2021)
- **Design and installation of ground source heat pump systems for commercial and residential buildings** (reaffirmation and redesignation of ANSI/CSA C448-2016)
  - Public Review Date: Jan 1, 2021
  - Final Action Date: Feb 25, 2021
  - **Approved**

### ANSI/FC 1 CSA C22.2 No. 62282-3-100-2021
- **Fuel cell technologies — Part 3-100: Stationary fuel cell power systems — Safety** (national adoption of ISO 62282-3-100 with modifications and revision of ANSI/CSA FC-1-2014 (R2018))
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### ANSI/IAS LC-2-1996 (R2020)
  - Public Review Date: Sep 4, 2020
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### ANSI/NGV 4.6a-2021
- **Manually operated valves for natural gas dispensing systems** (addenda to ANSI/CSA NGV 4.6-2020)
  - PINS Date: Feb 26, 2021
  - Public Review Date: Apr 9, 2021
  - Final Action Date: Jun 10, 2021
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### ANSI/PRD 1-2020
- **Pressure relief devices for natural gas vehicle (NGV) fuel containers** (revision of ANSI/PRD 1-2013 (R2018))
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### CTA (Consumer Technology Association)
- **1919 South Eads Street, Arlington, VA  22202 | w: www.cta.tech**

### CTA 109-D-2009 (S2020)
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### ANSI/CTA 2003-C-2007 (R2019)
- **Digital Audiobook File Format and Player Requirements** (reaffirmation of ANSI/CTA 2003-C-2007 (R2013))
  - PINS Date: May 25, 2018
  - Public Review Date: Jul 13, 2018
  - Final Action Date: Jan 15, 2019
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### ANSI/CTA 2006-C-2019
- **Testing & Measurement Methods for In-Vehicle Audio Amplifiers** (revision and redesignation of ANSI/CTA 2006-C-2009 (R2019))
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ANSI/CTA 2010-B-2014 (R2020), Standard Method of Measurement for Powered Subwoofers  (reaffirmation of ANSI/CTA 2010-B-2014)
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ANSI/CTA 2028-B-2014 (R2019), Color Codes for Outdoor TV Receiving Antennas  (reaffirmation of ANSI/CTA 2028-B-2014)
PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 26, 2019 | Approved

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ANSI/CTA 2032-B-2014 (R2019), Indoor TV Receiving Antenna Performance Standard  (reaffirmation of ANSI/CTA 2032-B-2014)
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ANSI/CTA 2037-C-2021, Determination of Television Set Power Consumption  (revision and redesignation of ANSI/CTA 2037-B-2018)
PINS Date: Feb 26, 2021 | Public Review Date: Aug 13, 2021 | Final Action Date: Sep 30, 2021 | Approved

ANSI/CTA 2038-2012 (R2017), Command-Driven IR-Synchronized Active Eyewear Standard  (reaffirmation of ANSI/CTA 2038-2012)
PINS Date: Nov 25, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: Apr 17, 2017 | Approved

ANSI/CTA 2040-2011, SD Card Common Interface Standard  (new standard)
PINS Date: May 14, 2010 | Public Review Date: Mar 18, 2011 | Final Action Date: Jun 1, 2011 | Approved

Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved
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<td>ANSI/CTA 2045.1-2014 (R2021), Modular Communications Interface for Firmware Transfer Message Set  (reaffirmation of ANSI/CTA 2045.1-2014)</td>
<td>PINS Date: Nov 1, 2019</td>
<td>Public Review Date: Mar 13, 2020</td>
<td>Final Action Date: Jul 23, 2021</td>
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<td>ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set  (addenda to ANSI/CTA 2045.2-2014)</td>
<td>PINS Date: Nov 27, 2015</td>
<td>Public Review Date: Feb 2, 2018</td>
<td>Final Action Date: Jul 10, 2018</td>
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<td>ANSI/CTA 2045.2-2014, Modular Communications Interface for Generic Display Message Set  (new standard)</td>
<td>PINS Date: Dec 27, 2013</td>
<td>Public Review Date: Apr 18, 2014</td>
<td>Final Action Date: Jun 25, 2014</td>
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<td>ANSI/CTA 2045.3-2014 (R2021), Modular Communications Interface for Thermostat Message Set  (reaffirmation of ANSI/CTA 2045.3-2014)</td>
<td>PINS Date: Nov 1, 2019</td>
<td>Public Review Date: Mar 13, 2020</td>
<td>Final Action Date: Jul 23, 2021</td>
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<td>ANSI/CTA 2051-2017, Personal Sound Amplification Performance Criteria  (new standard)</td>
<td>PINS Date: Jun 27, 2014</td>
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<td>ANSI/CTA 2052.1-2016, Glossary of Terms for Sleep Wearable Devices  (new standard)</td>
<td>PINS Date: Sep 19, 2014</td>
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## ANSI/CTA 2065-2018, Physical Activity Monitoring for Heart Rate (new standard)
PINS Date: Jul 29, 2016 | Public Review Date: Feb 16, 2018 | Final Action Date: May 3, 2018 | Approved

## ANSI/CTA 2068-2020, Definitions and Characteristics of Consumer Stress Monitoring Technologies (new standard)
PINS Date: Mar 31, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: May 3, 2020 | Approved

## ANSI/CTA 2068.1-2021, Definitions and Characteristics of Consumer Technologies for Monitoring Physical and Psychosocial Stress – Heart Rate and Related Measures (new standard)
PINS Date: Jun 12, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 23, 2021 | Approved

## ANSI/CTA 2074-2020, Intensity Metrics: Physical Activity Monitoring (new standard)
PINS Date: Nov 24, 2017 | Public Review Date: Jan 17, 2020 | Final Action Date: Mar 31, 2020 | Approved

## ANSI/CTA 2075-2020, Loudness Standard for Over the Top Television (OTT) and Online Video Distribution (OVD) for Mobile and Fixed Devices (new standard)
PINS Date: Feb 16, 2018 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 31, 2020 | Approved

PINS Date: Jan 5, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 14, 2019 | Approved

PINS Date: Feb 21, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 4, 2021 | Approved

## ANSI/CTA 2077-2020, Recommendations for Portable Power Charging Markings (new standard)
PINS Date: Jan 5, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 25, 2020 | Approved

PINS Date: Nov 9, 2018 | Public Review Date: Oct 16, 2020 | Final Action Date: Jan 11, 2021 | Approved

PINS Date: Oct 23, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 18, 2021 | Approved

## ANSI/CTA 2085-2019, Definitions and Characteristics for VR Video and VR Images (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Nov 11, 2019 | Approved

## ANSI/CTA 2087-2019, Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 9, 2019 | Approved

PINS Date: Dec 14, 2018 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved

## ANSI/CTA 2089-2020, Definitions and Characteristics of Artificial Intelligence (new standard)
PINS Date: Mar 8, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 21, 2020 | Approved

## ANSI/CTA 2089.1-2020, Definitions/Characteristics of AI in Health Care (new standard)
PINS Date: Apr 26, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 21, 2020 | Approved

## ANSI/CTA 2090-2021, The Use of Artificial Intelligence in Health Care: Trustworthiness (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Nov 20, 2020 | Final Action Date: Feb 4, 2021 | Approved

## ANSI/CTA 2092-2021, Performance Requirements for Sleep Monitoring Solutions detecting snoring (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved
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DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

  PINS Date: Jun 1, 2018 | Public Review Date: Aug 10, 2018 | Final Action Date: Oct 5, 2018 | Approved

DSI (Dental Standards Institute, Inc.)

- ANSI/DSI DCNST1.1-2020, DSI DCNST1.1:20XX Verification and Displaying of Dental Patient Chart Notes (DCN) (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/DSI GSST1.1-2020, DSI GSST1.1:20XX Graphic Symbols - Pictograms For Information Regarding the Healthcare Patient (new standard)
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 22, 2020 | Approved

- ANSI/DSI MST1.1-2020, BRS/DSI MST1.1:2020 Definitions Of Terms In Dental Metrics (new standard)
  PINS Date: Apr 3, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 24, 2020 | Approved

- ANSI/DSI VRST1.1-2020, BRS/DSI VRST1.1:2020 Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard)
  PINS Date: Apr 3, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 24, 2020 | Approved

EASA (Electrical Apparatus Service Association)

- ANSI/EASA AR100-2020, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2015)
  PINS Date: Aug 19, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

ECIA (Electronic Components Industry Association)

- ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 198-2-E-2014, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part II: Test Methods (new standard)
  PINS Date: Nov 16, 2012 | Public Review Date: Dec 13, 2013 | Final Action Date: Apr 4, 2014 | Approved

- ANSI/EIA 198-3-10-2015, Multilayer (Monolithic), Unencapsulated, Ceramic Dielectric, Surface-Mount Low Inductance Chip Capacitors And Multi-Terminal Low Inductance Capacitors (new standard)
  PINS Date: Aug 17, 2012 | Public Review Date: Nov 14, 2014 | Final Action Date: Aug 21, 2015 | Approved

- ANSI/EIA 198-3-6-F-2019, Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types (new standard)
  PINS Date: Nov 24, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 198-3-9-F-2019, High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount (new standard)
  PINS Date: Jul 13, 2012 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/EIA 200-B-2018, Circular Waveguides and Flanges (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Apr 24, 2018 | Approved
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<td>Waveguide flanges - pressurizable contact types for waveguide sizes WR90 to WR2300  (new standard)</td>
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- ANSI/EIA 364-13E-2011 (R2017), Mating and Unmating Force Test Procedure for Electrical Connectors and Sockets  
  (reaffirmation of ANSI/EIA 364-13E-2011)  
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

- ANSI/EIA 364-14B-1999 (R2019), Ozone Exposure Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-14B-1999 (R2012))  
  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

- ANSI/EIA 364-15C-2016, Contact Strength Test Procedure for Electrical Connectors  
  (revision and redesignation of ANSI/EIA 364-15B-2015)  
  PINS Date: Mar 4, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/EIA 364-16A-2009 (R2020), Stripping Force Test (Solderless Wrapped Connectors) Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-16A-2009 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-17C-2011 (R2017), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets  
  (reaffirmation of ANSI/EIA 364-17C-2011)  
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

  (reaffirmation of ANSI/EIA/ECA 364-18B-2007 (R2012))  
  Public Review Date: Aug 17, 2018 | Final Action Date: Feb 13, 2019 | Approved

- ANSI/EIA 364-19A-2008 (R2020), Torsional Insert Retention Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-19A-2008 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-20F-2019, Dielectric Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts  
  (revision and redesignation of ANSI/EIA 364-20E-2015)  
  PINS Date: Mar 30, 2018 | Public Review Date: Jul 6, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 364-21F-2020, Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts  
  (revision and redesignation of ANSI/EIA 364-21E-2014)  
  PINS Date: Nov 8, 2019 | Public Review Date: May 1, 2020 | Final Action Date: Jul 28, 2020 | Approved

- ANSI/EIA 364-22B-2000 (R2019), Simulated Life Test Procedure for Electrical Connectors  
  (reaffirmation of ANSI/EIA 364-22B-2000 (R2012))  
  Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 364-23C-2006 (R2017), Low Level Contact Resistance Test Procedure For Electrical Connectors and Sockets  
  (reaffirmation of ANSI/EIA 364-23C-2006 (R2012))  
  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

  (reaffirmation of ANSI/EIA 364-24B-2009 (R2015))  
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-25E-2017, Probe Damage Test Procedure for Electrical Connectors  
  (revision and redesignation of ANSI/EIA 364-25D-2010)  
  PINS Date: Sep 2, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Mar 28, 2017 | Approved

- ANSI/EIA 364-26-C-2014 (R2019), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets  
  (reaffirmation of ANSI/EIA 364-26-C-2014)  
  Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved
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| ANSI/EIA 364-29D-2019, Contact Retention Test Procedure for Electrical Connectors  (revision and redesignation of ANSI/EIA 364-29C-2006 (R2013))  
PINS Date: Aug 31, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: May 21, 2019 | Approved |
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Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved |
| ANSI/EIA 364-34-2012 (R2017), Ambient Condensation Test Procedure for Electrical Connectors and Sockets  (reaffirmation of ANSI/EIA 364-34-2012)  
Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved |
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Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved |
| ANSI/EIA 364-38E-2020, Cable Pull-Out Test Procedure for Electrical Connectors  (revision and redesignation of ANSI/EIA 364-38D-2014)  
PINS Date: Nov 8, 2019 | Public Review Date: May 1, 2020 | Final Action Date: Jul 14, 2020 | Approved |
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  - PINS Date: Dec 4, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: May 13, 2021 | Approved
ECIA (Electronic Components Industry Association)

- ANSI/EIA 364-71C-2008 (R2020), Solder Wicking (Wave Solder Technique) for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-71C-2008 (R2014))
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

  PINS Date: Apr 10, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI/EIA 364-78C-2018, Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-78B-2010)
  PINS Date: Sep 16, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Jan 24, 2018 | Approved

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- ANSI/EIA 364-86B-2020, Polarizing/Coding Key Overstress Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-86A-2014)
  PINS Date: Nov 8, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 2, 2020 | Approved

  PINS Date: May 8, 2015 | Public Review Date: Dec 23, 2016 | Final Action Date: Apr 3, 2017 | Approved

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  PINS Date: Apr 26, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Sep 23, 2019 | Approved
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  PINS Date: Dec 11, 2015 | Public Review Date: May 13, 2016 | Final Action Date: Aug 25, 2016 | Approved

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  PINS Date: Dec 2, 2016 | Public Review Date: Feb 3, 2017 | Final Action Date: Jun 19, 2017 | Approved

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  PINS Date: Sep 1, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/EIA 468-C-2008 (R2017), Lead Taping of Components in the Radial Configuration for Automatic Handling (reaffirmation of ANSI/EIA 468-C-2008 (R2013))
  Public Review Date: Jul 14, 2017 | Final Action Date: Oct 5, 2017 | Approved

  PINS Date: Mar 25, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Apr 25, 2017 | Approved

- ANSI/EIA 481-F-2021, 4 mm Through 200 mm Embossed Carrier Taping and 8 mm & 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling (revision and redesignation of ANSI/EIA 481-E-2015)
  PINS Date: Feb 8, 2019 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 5, 2021 | Approved

  PINS Date: Jul 13, 2012 | Public Review Date: May 17, 2013 | Final Action Date: Dec 4, 2013 | Approved
ECIA (Electronic Components Industry Association)

- ANSI/EIA 575-C-2020, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-B-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 7, 2020 | Approved

  PINS Date: May 17, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: May 9, 2014 | Approved

- ANSI/EIA 576-C-2020, Resistors, Thin Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA/ECA-576-B-2014)
  PINS Date: Jun 7, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 7, 2020 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Sep 21, 2017 | Approved

- ANSI/EIA 60115-1 ed. 4.0-2014 (R2021), Fixed Resistors for Use in Electronic Equipment Part 1: Generic Specification (reaffirmation of ANSI/EIA 60115-1 ed. 4.0-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 6, 2021 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Nov 12, 2019 | Approved

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### ECIA (Electronic Components Industry Association)

  - Public Review Date: May 31, 2019 | Final Action Date: Nov 12, 2019 | **Approved**

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- **ANSI/EIA 60440-2014 (R2019)**, Method of measurement of non-linearity in resistors (reaffirm a national adoption ANSI/EIA 60440-2014)
  - Public Review Date: May 31, 2019 | Final Action Date: Nov 12, 2019 | **Approved**

  - Public Review Date: Jan 1, 2021 | Final Action Date: Aug 10, 2021 | **Approved**

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- **ANSI/EIA 61014-2017**, Programs for reliability growth (identical national adoption of IEC 61014:2003 Ed.2.0)
  - PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | **Approved**

- **ANSI/EIA 61025-2017**, Fault tree analysis (FTA) (identical national adoption of IEC 61025:2006 Ed.2.0)
  - PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | **Approved**

  - PINS Date: Jul 14, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 17, 2018 | **Approved**
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<td>ANSI/EIA 61124-2017</td>
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<td>ANSI/EIA 61703-2017</td>
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<td>ANSI/EIA 747-C-2020</td>
<td>Adhesive backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0 mm thick (revision and redesignation of ANSI/EIA-747-B-2014)</td>
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### EMAPI 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: www.esda.org

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<td>ANSI/ESD S11.4-2013, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Static Control Bags</td>
<td>(new standard)</td>
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<td>PINS Date: Dec 23, 2011</td>
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<td>ANSI/ESD SP 5.3.2-2004 (R2013), ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Socketed Device Model (SDM) - Component Level</td>
<td>(reaffirmation of ANSI/ESD SP 5.3.2-2004 (R2008))</td>
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<td>ANSI/ESD SP27.1-2018</td>
<td>ESD Association Standard Practice for the Recommended Information Flow Regarding Potential EOS Issues between Automotive OEM, Tier 1, and Semiconductor Manufacturers</td>
<td>Jan 6, 2017</td>
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<td>ANSI/ESD SP3.4-2012 (R2017)</td>
<td>ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Periodic Verification of Air Ionizer Performance Using a Small Test Fixture</td>
<td>Oct 28, 2016</td>
<td>Jan 5, 2017</td>
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### EOS/ESD (ESD Association, Inc.)

  
  PINS Date: Oct 10, 2008 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 29, 2019 | Approved

  
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  PINS Date: Mar 11, 2011 | Public Review Date: Aug 16, 2013 | Final Action Date: Jul 8, 2015 | Approved

- ANSI/ESD STM97.2-2016, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear/Flooring System - Voltage Measurement in Combination with a Person (new standard)
  PINS Date: Mar 11, 2011 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 17, 2016 | Approved

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  PINS Date: Sep 9, 2016 | Public Review Date: May 4, 2018 | Final Action Date: Dec 17, 2018 | Approved

ESTA (Entertainment Services and Technology Association)

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  PINS Date: Jun 16, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI E1.15-2006 (R2021), Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies (reaffirmation of ANSI E1.15-2006 (R2016))
  Public Review Date: Oct 30, 2020 | Final Action Date: Mar 8, 2021 | Approved

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- ANSI E1.2-2021, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers (revision of ANSI E1.2-2012)
  PINS Date: Aug 11, 2017 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved
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- ANSI E1.30-4-2010 (R2021), EPI 26. Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices (reaffirmation of ANSI E1.30-4-2010 (R2015))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 27, 2021 | Approved

- ANSI E1.31-2018, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN (revision of ANSI E1.31-2016)
  PINS Date: Feb 17, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 7, 2018 | Approved

- ANSI E1.32-2012 (R2017), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires (reaffirmation of ANSI E1.32-2012)
  Public Review Date: Feb 17, 2017 | Final Action Date: Sep 15, 2017 | Approved

- ANSI E1.33-2019, Entertainment Technology -- (RDMnet) -- Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks (new standard)
  PINS Date: Aug 11, 2006 | Public Review Date: Sep 21, 2018 | Final Action Date: Aug 27, 2019 | Approved

  Public Review Date: Nov 2, 2018 | Final Action Date: Mar 8, 2019 | Approved

- ANSI E1.35-2013 (R2018), Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (reaffirmation of ANSI E1.35-2013)
  Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI E1.36-2007 (R2017), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012))
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  Public Review Date: Feb 17, 2017 | Final Action Date: May 18, 2017 | Approved

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- ANSI E1.37-7-2019, Additional Message Sets for ANSI E1.20 (RDM) - Gateway & Splitter Messages (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Sep 21, 2018 | Final Action Date: May 23, 2019 | Approved

  PINS Date: May 3, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI E1.4-1-2016, Entertainment Technology - Manual Counterweight Rigging Systems (revision and partition of ANSI E1.4-2014)
  PINS Date: Feb 14, 2014 | Public Review Date: Feb 26, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI E1.4-2-2021, Entertainment Technology – Statically Suspended Rigging Systems (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Aug 7, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI E1.4-3-2020, Entertainment Technology—Manually Operated Hoist Rigging Systems (revision and partition of ANSI E1.4-2014)
  PINS Date: Feb 14, 2014 | Public Review Date: Nov 15, 2019 | Final Action Date: Jun 2, 2020 | Approved
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### ESTA (Entertainment Services and Technology Association)

- ANSI/E1.47-2020, Recommended Guidelines for Entertainment Rigging System Inspections  
  (revision of ANSI E1.47-2017)  
  PINS Date: Dec 8, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/E1.53-2019, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice  
  (revision of ANSI E1.53-2016)  
  PINS Date: Aug 24, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jun 28, 2019 | Approved

- ANSI/E1.6-3-2019, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry  
  (revision of ANSI/E1.6-3-2012)  
  PINS Date: Apr 7, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 14, 2019 | Approved

  (new standard)  
  PINS Date: Nov 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 3, 2020 | Approved

### FCI (Fluid Controls Institute)

- ANSI/FCI 13-1-2016, Determining Condensate Loads to Size Steam Traps  
  (new standard)  
  PINS Date: Aug 1, 2014 | Public Review Date: Feb 26, 2016 | Final Action Date: Jul 1, 2016 | Approved

- ANSI/FCI 15-1-2020, Standard for Production Testing of Pressure Regulators  
  (revision of ANSI/FCI 15-1-2015)  
  PINS Date: Jun 5, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 16, 2020 | Approved

- ANSI/FCI 18-1-2021, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers  
  (new standard)  
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 14, 2021 | Approved

- ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers  
  (new standard)  
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 22, 2019 | Final Action Date: Sep 23, 2020 | Approved

- ANSI/FCI 19-1-2021, Standard for Sizing & Selection of Type 2 Secondary Pressure Drainers  
  (new standard)  
  PINS Date: Nov 29, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Feb 25, 2021 | Approved

- ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method  
  (reaffirmation of ANSI/FCI 4-1-2014)  
  PINS Date: Jun 14, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 18, 2019 | Approved

- ANSI/FCI 69-1-2017, Pressure Rating Standard for Steam Traps  
  (new standard)  
  PINS Date: Oct 29, 2010 | Public Review Date: May 19, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI/FCI 70-2-2021, Control Valve Seat Leakage Testing  
  (revision of ANSI/FCI 70-2-2013)  
  PINS Date: Mar 3, 2017 | Public Review Date: Sep 4, 2020 | Final Action Date: Jan 26, 2021 | Approved

- ANSI/FCI 70-3-2021, Standard for Regulator Seat Leakage Testing  
  (revision of ANSI/FCI 70-3-2016)  
  PINS Date: Aug 28, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators  
  (revision of ANSI/FCI 79-1-2016)  
  PINS Date: Aug 28, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: May 7, 2021 | Approved

- ANSI/FCI 85-1-2019, Standard for Production Testing of Steam Traps  
  (revision of ANSI/FCI 85-1-2011)  
  PINS Date: Dec 16, 2016 | Public Review Date: Oct 4, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/FCI 87-1-2017, Classification and Operating Principles of Steam Traps  
  (revision of ANSI/FCI 87-1-2009)  
  PINS Date: Aug 1, 2014 | Public Review Date: May 20, 2016 | Final Action Date: May 11, 2017 | Approved
FCI (Fluid Controls Institute)

- ANSI/FCI 91-1-2020, Standard for Qualification of Control Valve Stem Seals (new standard)
  PINS Date: Jun 19, 2015 | Public Review Date: Mar 20, 2020 | Final Action Date: Oct 19, 2020 | Approved

  PINS Date: Apr 20, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 14, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: May 15, 2020 | Final Action Date: Sep 24, 2020 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 99-3-2020, Backpressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)
  PINS Date: Mar 3, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Mar 18, 2021 | Approved

FM (FM Approvals)

- ANSI/FM 1035-2018, Nitrogen Generators (new standard)
  PINS Date: Oct 10, 2014 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Mar 8, 2002 | Public Review Date: Oct 31, 2014 | Final Action Date: Feb 1, 2016 | Approved

- ANSI/FM 2510-2020, Flood Abatement Equipment (revision of ANSI/FM 2510-2014)
  PINS Date: Jan 18, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Sep 14, 2020 | Approved

  PINS Date: Feb 26, 2016 | Public Review Date: Dec 2, 2016 | Final Action Date: Jan 30, 2017 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Jul 10, 2020 | Final Action Date: Nov 2, 2020 | Approved

  Public Review Date: Jan 22, 2016 | Final Action Date: Oct 20, 2020 | Approved

  PINS Date: Jan 22, 2016 | Public Review Date: Nov 27, 2020 | Final Action Date: Dec 28, 2020 | Approved

- ANSI/FM 4476-2014 (R2022), Flexible Photovoltaic Modules (reaffirmation of ANSI/FM 4476-2014)
  Public Review Date: Feb 21, 2020 | Final Action Date: Jan 28, 2022 | Approved

  PINS Date: Mar 12, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Sep 27, 2021 | Approved

- ANSI/FM 4478-2014, Rigid Photovoltaic Modules (new standard)
  PINS Date: Jan 31, 2014 | Public Review Date: Jul 25, 2014 | Final Action Date: Oct 16, 2014 | Approved

  PINS Date: Nov 16, 2012 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 3, 2017 | Approved
## Approved American National Standards

**FM (FM Approvals)**

  - PINS Date: Dec 4, 2009 | Public Review Date: Dec 16, 2016 | Final Action Date: Apr 25, 2017 | Approved

  - Public Review Date: Aug 17, 2018 | Final Action Date: Nov 29, 2021 | Approved

- **ANSI/FM 4920-2014, Testing Filters Used in Clean Room Facilities** (new standard)
  - PINS Date: Nov 27, 2009 | Public Review Date: Sep 12, 2014 | Final Action Date: Dec 15, 2014 | Approved

  - PINS Date: Jan 6, 2012 | Public Review Date: Jul 6, 2012 | Final Action Date: Feb 19, 2013 | Approved

- **ANSI/FM 4996-2019, Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets** (revision of ANSI/FM 4996-2013)
  - PINS Date: Jan 27, 2017 | Public Review Date: May 26, 2017 | Final Action Date: Dec 9, 2019 | Approved

  - PINS Date: Oct 5, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 7, 2017 | Approved

  - PINS Date: Nov 27, 2009 | Public Review Date: Aug 21, 2015 | Final Action Date: Nov 10, 2015 | Approved

  - Public Review Date: Dec 20, 2013 | Final Action Date: Feb 6, 2014 | Approved

### GBI (Green Building Initiative)

  - PINS Date: Aug 7, 2015 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 24, 2019 | Approved

  - Public Review Date: Jun 25, 2021 | Final Action Date: Sep 3, 2021 | Approved

### GISC (ASC Z97) (Glazing Industry Secretariat Committee)

  - Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

### GTESS (Georgia Institute of Technology Energy & Sustainability Services)

  - PINS Date: Apr 21, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 9, 2019 | Approved

- **ANSI/MSE 50028-2-2019, Superior Energy Performance(R) 50001 Program - Requirements for verification bodies for use in accreditation or other forms of recognition** (revision and redesignation of ANSI/MSE 50028-2016)
  - PINS Date: Apr 21, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: May 3, 2019 | Approved
GTESS (Georgia Institute of Technology Energy & Sustainability Services)

  PINS Date: Dec 8, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Aug 29, 2018 | Approved

HFES (Human Factors & Ergonomics Society)

- ANSI/HFES 400-2021, Human Readiness Level Scale in the System Development Process (new standard)
  PINS Date: Aug 14, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Sep 7, 2021 | Approved

HI (Hydraulic Institute)

- ANSI/HI 1.1-1.2-2014, Rotodynamic Centrifugal Pumps for Nomenclature & Definitions (revision of ANSI/HI 1.1-1.2-2008)
  PINS Date: Sep 28, 2012 | Public Review Date: Jan 31, 2014 | Final Action Date: Oct 30, 2014 | Approved

- ANSI/HI 1.3-2013, Rotodynamic Centrifugal Pumps for Design and Application (revision of ANSI/HI 1.3-2009)
  PINS Date: Apr 22, 2011 | Public Review Date: Jun 7, 2013 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 1.4-2014, Rotodynamic Centrifugal Pumps for Manuals Describing Installation, Operation, and Maintenance (revision of ANSI/HI 1.4-2010)
  PINS Date: Sep 28, 2012 | Public Review Date: May 3, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/HI 10.1-10.5-2021, Air-operated Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 10.1-10.5-2010 (R2016))
  PINS Date: Jan 3, 2020 | Public Review Date: May 14, 2021 | Final Action Date: Jul 19, 2021 | Approved

- ANSI/HI 10.6-2021, Air-Operated Pump Tests (revision of ANSI/HI 10.6-2010 (R2016))
  PINS Date: Jan 3, 2020 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/HI 11.6-2017, Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure Mechanical, and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2012)
  PINS Date: Mar 20, 2015 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 1, 2017 | Approved

- ANSI/HI 12.1-12.6-2021, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016)
  PINS Date: Dec 21, 2018 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 23, 2021 | Approved

  PINS Date: Apr 11, 2014 | Public Review Date: Jun 15, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/HI 14.3-2019, Rotodynamic Pumps for Design and Application (new standard)
  PINS Date: Feb 15, 2013 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: Jun 8, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI/HI 14.6-2022, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2016)
  PINS Date: Mar 8, 2019 | Public Review Date: Dec 31, 2021 | Final Action Date: Feb 7, 2022 | Approved

  PINS Date: Sep 28, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: Apr 8, 2014 | Approved
HI (Hydraulic Institute)

- ANSI/HI 2.3-2013, Rotodynamic (Vertical) Pumps of Radial, Mixed, and Axial Flow Types for Design and Application (revision of ANSI/HI 2.3-2008)
  PINS Date: Apr 22, 2011 | Public Review Date: Jun 8, 2012 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 2.4-2014, Rotodynamic Vertical Pumps for Installation, Operation and Maintenance (revision of ANSI/HI 2.4-2008)
  PINS Date: Sep 28, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: May 12, 2014 | Approved

- ANSI/HI 3.1-3.5-2021, Rotary Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 3.1-3.5-2015)
  PINS Date: Dec 21, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 30, 2021 | Approved

- ANSI/HI 3.6-2022, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)
  PINS Date: Jan 3, 2020 | Public Review Date: Dec 31, 2021 | Final Action Date: Feb 7, 2022 | Approved

- ANSI/HI 4.1-4.6-2017, Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test (revision of ANSI/HI 4.1-4.6-2010)
  PINS Date: Jun 26, 2015 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

- 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 Date: May 24, 2019 | Public Review Date: Apr 9, 2021 | Final Action Date: Jul 16, 2021 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Aug 3, 2017 | Approved

- ANSI/HI 7.6-2018, Controlled Volume Metering Pumps - Test (revision of ANSI/HI 7.6-2012)
  PINS Date: Mar 25, 2016 | Public Review Date: Jun 29, 2018 | Final Action Date: Jun 29, 2018 | Approved

- ANSI/HI 7.8-2021, HI-7.8 Controlled Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2016)
  PINS Date: Jan 3, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Dec 2, 2021 | Approved

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  PINS Date: Apr 11, 2014 | Public Review Date: Aug 5, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/HI 9.6.3-2017, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2012)
  PINS Date: Apr 11, 2014 | Public Review Date: May 20, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/HI 9.6.4-2016, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2009)
  PINS Date: Jun 14, 2013 | Public Review Date: May 20, 2016 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/HI 9.6.5-2016, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5-2009)
  PINS Date: Dec 20, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Jul 21, 2016 | Approved

- ANSI/HI 9.6.6-2022, Rotodynamic Pumps for Pump Piping (revision of ANSI/HI 9.6.6-2016)
  PINS Date: May 24, 2019 | Public Review Date: Jul 30, 2021 | Final Action Date: Feb 8, 2022 | Approved
### HI (Hydraulic Institute)

  - PINS Date: May 5, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Jun 18, 2021 | Approved

- **ANSI/HI 9.6.8-2014 (R2021)**, Rotodynamic Pumps - Guideline for Dynamics of Pumping Machinery  (reaffirmation of ANSI/HI 9.6.8-2014)
  - PINS Date: Jan 3, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Aug 30, 2021 | Approved

  - PINS Date: May 5, 2017 | Public Review Date: Oct 12, 2018 | Final Action Date: Dec 4, 2018 | Approved

### HIBCC (Health Industry Business Communications Council)

  - PINS Date: Jul 1, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 1, 2016 | Approved

### HL7 (Health Level Seven)

  - Public Review Date: May 31, 2019 | Final Action Date: Jul 31, 2019 | Approved

  - PINS Date: Mar 20, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 1, 2020 | Approved

  - PINS Date: Mar 13, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Dec 6, 2019 | Approved

  - Public Review Date: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved

  - Public Review Date: Oct 1, 2021 | Final Action Date: Dec 10, 2021 | Approved

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  - PINS Date: Mar 27, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved
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  PINS Date: Apr 5, 2019 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 24, 2020 | Approved

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  PINS Date: Apr 6, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Jan 16, 2020 | Approved

- ANSI/HL7 PHRSFM, R2-2021, HL7 EHRS-FM Release 2: Personal Health Record System Functional Model, Release 2 (revision and redesignation of ANSI/HL7 PHRSFM, R1-2014)
  PINS Date: Dec 29, 2017 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 12, 2021 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

- ANSI/HL7 PSIM, R1-2021, HL7 Privacy and Security Logical Data Model, Release 1 (new standard)
  PINS Date: Aug 21, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jul 19, 2019 | Approved

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  PINS Date: Apr 7, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 8, 2018 | Approved

  PINS Date: May 3, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 18, 2020 | Approved

  Public Review Date: Oct 27, 2017 | Final Action Date: Dec 14, 2017 | Approved

  PINS Date: Apr 15, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 9, 2019 | Approved

- ANSI/HL7 V26 IG CCHD, R1-2020, HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1 (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: May 22, 2020 | Final Action Date: Aug 3, 2020 | Approved

  PINS Date: Jul 6, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 1, 2020 | Approved

  PINS Date: Mar 31, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 18, 2017 | Approved
HL7 (Health Level Seven)

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  PINS Date: Dec 28, 2007 | Public Review Date: Sep 11, 2009 | Final Action Date: Mar 19, 2012 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

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HL7 (Health Level Seven)

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

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- ANSI/HL7 V3 PC CAREPLAN, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREPLAN, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

- ANSI/HL7 V3 PC CAREREc, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Queries Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREREc, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/HL7 V3 PC CARETRANS, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Transfer Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CARETRANS, R1-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: May 8, 2018 | Approved

- ANSI/HL7 V3 PCAS, R1-2018, HL7 Version 3 Standard: Care Provision; Assessment Scales, Release 1 (new standard)
  PINS Date: Aug 19, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: May 24, 2018 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

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  PINS Date: Apr 6, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 28, 2020 | Approved

  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 9, 2021 | Approved

  PINS Date: Nov 29, 2013 | Public Review Date: Oct 2, 2020 | Final Action Date: Nov 30, 2020 | Approved

  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- ANSI/HL7 V3 REG RTLTM, R1-2011 (R2016), HL7 Version 3 Standard: Registries; Real-Time Location Tracking, Release 1 (reaffirmation of ANSI/HL7 V3 REG RTLTM, R1-2011)
  PINS Date: May 6, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Sep 23, 2016 | Approved

- ANSI/HL7 V3 RIM, R7-2016, HL7 Version 3 Standard: Reference Information Model, Release 7 (revision and redesignation of ANSI/HL7 V3 RIM, R6-2013)
  Public Review Date: May 6, 2016 | Final Action Date: Jul 28, 2016 | Approved
HL7 (Health Level Seven)

- ANSI/HL7 V3 RIM, R7-2016 (R2021), HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016)
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<td>ANSI/HL7CDAR2 IG TRAUMAREG, R2-2019, HL7(R) CDA(R) R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm</td>
<td>(revision and redesignation of ANSI/HL7 CDAR2 IG TRAUMAREG R1-2016)</td>
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<td>Apr 6, 2018</td>
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**Home Innovation (Home Innovation Research Labs)**

400 Prince George's Boulevard, Upper Marlboro, MD  20774 | w: www.HomeInnovation.com

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### HPS (ASC N13) (Health Physics Society)

  - PINS Date: Jan 7, 2011 | Public Review Date: Mar 18, 2011 | Final Action Date: Jun 10, 2011 | Approved

  - PINS Date: Jun 26, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 27, 2018 | Approved

  - Public Review Date: Aug 15, 2014 | Final Action Date: Aug 24, 2016 | Approved

- **ANSI N13.54-2008 (R2018), Fetal Radiation Dose Calculations (reaffirmation of ANSI N13.54-2008)**
  - Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- **ANSI N13.56-2012 (R2019), Sampling and Monitoring Releases of Airborne Radioactivity in the Workplace (reaffirmation of ANSI N13.56-2012)**
  - Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

  - Public Review Date: Apr 18, 2014 | Final Action Date: Jun 11, 2014 | Approved

  - Public Review Date: Jan 4, 2019 | Final Action Date: Mar 1, 2019 | Approved

- **ANSI N2.1-2011 (R2016), Radiation Symbol (reaffirmation of ANSI N2.1-2011)**
  - Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved

### HPS (ASC N43) (Health Physics Society)

1313 Dolley Madison Blvd, Suite 402, McLean, VA  22101 | w: www.hps.org

- **ANSI N43.1-2011, Radiation Safety for the Design and Operation of Particle Accelerators (new standard)**
  - PINS Date: Aug 3, 2007 | Public Review Date: Apr 29, 2011 | Final Action Date: Nov 9, 2011 | Approved

- **ANSI N43.10-2019, Safe Design and Use of Panoramic, Dry Source Storage (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 Date: Mar 22, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Sep 26, 2019 | Approved

- **ANSI N43.14-2011 (R2016), Radiation Safety for Active Interrogation Systems for Security Screening of Cargo, Energies up to 100 MeV (reaffirmation of ANSI N43.14-2011)**
  - Public Review Date: Aug 12, 2016 | Final Action Date: Oct 11, 2016 | Approved

- **ANSI N43.16-2021, Radiation Safety for Cargo and Vehicle Security Screening Systems Using X-Ray or Gamma Radiation, Energies Up To 10 MeV (new standard)**
  - PINS Date: Aug 28, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 14, 2021 | Approved

  - Public Review Date: May 11, 2018 | Final Action Date: Jul 24, 2018 | Approved

- **ANSI N43.2-2021, Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment (new standard)**
  - PINS Date: Jan 3, 2020 | Public Review Date: Sep 25, 2020 | Final Action Date: Apr 8, 2021 | Approved
HPS (ASC N43) (Health Physics Society)

- ANSI N43.3-2008 (R2018), For General Radiation Safety--Installations Using Non-Medical X-ray and Sealed Gamma-Ray Sources, Energies Up to 10 MeV (reaffirmation of ANSI N43.3-2008)
  Public Review Date: Oct 20, 2017 | Final Action Date: Dec 12, 2017 | Approved

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

- ANSI N43.5-2013, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV (new standard)
  PINS Date: May 4, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jul 8, 2013 | Approved

- ANSI N43.6-2007 (R2013), Sealed Radioactive Sources--Classification (reaffirmation of ANSI N43.6-2007)
  PINS Date: Jul 5, 2013 | Final Action Date: Sep 23, 2013 | Approved

- ANSI N43.7-2018, Safe Design and Use of Self-Contained, Dry Source Storage Irradiators (Category I) (new standard)
  PINS Date: Jan 26, 2018 | Public Review Date: May 11, 2018 | Final Action Date: Jul 24, 2018 | Approved

- ANSI N43.8-2008 (R2013), Classification of Industrial Ionizing Radiation Gauging Devices (reaffirmation of ANSI N43.8-2008)
  PINS Date: Jul 5, 2013 | Final Action Date: Sep 23, 2013 | Approved

- ANSI N43.9-2015, Radiological Safety for the Design and Construction of Apparatus for Gamma Radiography (new standard)
  PINS Date: Jun 20, 2008 | Public Review Date: Feb 27, 2015 | Final Action Date: Apr 17, 2015 | Approved

HPVA (Hardwood Plywood Veneer Association)

42777 Trade West Drive, Sterling, VA  20166 | w: www.DecorativeHardwoods.org

  PINS Date: Oct 13, 2017 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 14, 2020 | Approved

- ANSI/HPVA HP-1-2020, Standard for Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2016)
  PINS Date: Jun 7, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 17, 2020 | Approved

- ANSI/HPVA LTDD 1.0-2015, Standard for Due Diligence in Procuring/Sourcing Legal Timber (new standard)
  PINS Date: Sep 28, 2012 | Public Review Date: Mar 25, 2016 | Final Action Date: Feb 24, 2015 | Approved

HSI (Healthcare Standards Institute)

10231 Kotzebue Street, San Antonio, TX 78217 | w: www.hsi.health/

  PINS Date: Jan 29, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 12, 2021 | Approved

IACET (International Association for Continuing Education and Training)

2201 Cooperative Way, Suite 600, Herndon, VA 20171 | w: www.iacet.org

  PINS Date: Feb 10, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Nov 3, 2017 | Approved

IAPMO (International Association of Plumbing & Mechanical Officials)

4755 East Philadelphia Street, Ontario, CA 91761-2816 | w: www.iapmo.org

- ANSI/IAPMO UMC 1-2021, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2018)
  PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved
**IAPMO (International Association of Plumbing & Mechanical Officials)**

- **ANSI/IAPMO UPC 1-2021, Uniform Plumbing Code** (revision of ANSI/IAPMO UPC 1-2018)
  - PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved

  - PINS Date: Nov 9, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 30, 2020 | Approved

  - PINS Date: Nov 9, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 30, 2020 | Approved

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL 60448 | w: www.asse-plumbing.org

  - PINS Date: Nov 20, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved

- **ANSI/ASSE 1003-2020, Performance Requirements for Water Pressure Reducing Valves for Potable Water Distribution Systems** (new standard)
  - PINS Date: Apr 3, 2015 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 1, 2020 | Approved

- **ANSI/ASSE 1004-2016, Backflow Prevention Requirements for Commercial Dishwashing Machines** (revision of ANSI/ASSE 1004-2009)
  - PINS Date: Dec 26, 2014 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

- **ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units** (revision of ANSI/ASSE 1008-2019)
  - PINS Date: May 15, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 23, 2020 | Approved

- **ANSI/ASSE 1010-2021, Performance Requirements for Water Hammer Arresters** (new standard)
  - PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- **ANSI/ASSE 1011-2017, Performance Requirements for Hose Connection Backflow Preventers** (new standard)
  - PINS Date: Apr 22, 2011 | Public Review Date: Oct 14, 2016 | Final Action Date: Nov 16, 2017 | Approved

- **ANSI/ASSE 1012-2021, Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent** (new standard)
  - PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- **ANSI/ASSE 1013-2021, Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies** (revision of ANSI/ASSE 1013-2011)
  - PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- **ANSI/ASSE 1014-2020, Performance Requirements for Backflow Prevention Devices for Hand-Held Showers** (new standard)
  - PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

- **ANSI/ASSE 1015-2021, Performance Requirements for Double Check Backflow Prevention Assemblies** (revision of ANSI/ASSE 1015-2011)
  - PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

  - Public Review Date: Jul 23, 2021 | Final Action Date: Oct 7, 2021 | Approved
PINS Date: May 18, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 15, 2021 | Approved

ANSI/ASSE 1019-2011 (R2016), Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance (reaffirmation of ANSI/ASSE 1019-2011)
PINS Date: Apr 22, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

ANSI/ASSE 1020-2020, Performance Requirements for Pressure Vacuum Breaker Assembly (new standard)
PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

ANSI/ASSE 1022-2020, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (revision of ANSI/ASSE 1022-2017)
PINS Date: Aug 7, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 11, 2020 | Approved

ANSI/ASSE 1023-2020, Performance Requirements for Electrically Heated or Cooled Water Dispensers (revision of ANSI/ASSE 1023-2019)
PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 1, 2020 | Approved

ANSI/ASSE 1024-2017 (R2021), Performance Requirements for Dual Check Backflow Preventers (reaffirmation of ANSI/ASSE 1024-2017)
Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

ANSI/ASSE 1030-2021, Performance Requirements for Positive Pressure Reduction Devices for Sanitary Drainage Systems (revision of ANSI/ASSE 1030-2016)
PINS Date: May 15, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 27, 2021 | Approved

ANSI/ASSE 1032-2011 (R2016), Performance Requirements for Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post Mix Type (reaffirmation of ANSI/ASSE 1032-2011)
PINS Date: Apr 22, 2016 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

ANSI/ASSE 1035-2020, Performance Requirements for Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)
PINS Date: May 18, 2018 | Public Review Date: Jun 12, 2020 | Final Action Date: Jul 31, 2020 | Approved

PINS Date: Dec 20, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 16, 2020 | Approved

ANSI/ASSE 1044-2015 (R2020), Performance Requirements for Trap Seal Primer - Drainage Types and Electric Design Types (reaffirmation of ANSI/ASSE 1044-2015)
PINS Date: Oct 18, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved

ANSI/ASSE 1047-2021, Performance Requirements for Reduced Pressure Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1047-2011)
PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

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

ANSI/ASSE 1052-2016, Performance Requirements for Hose Connection Backflow Preventers (new standard)
PINS Date: Dec 26, 2014 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 17, 2016 | Approved

ANSI/ASSE 1053-2019, Performance Requirements for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Types (new standard)
PINS Date: May 18, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 26, 2019 | 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

ANSI/IAPMO WEStand-2020, Water Efficiency and Sanitation Standard (new standard) |
PINS Date: Apr 24, 2015 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved
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IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 24, 2020 | Approved

  PINS Date: Jun 2, 2017 | Public Review Date: Feb 15, 2019 | Final Action Date: May 24, 2019 | Approved

- ANSI/IAPMO Z1157-2014e1 (R2019), Ball Valves (reaffirmation of ANSI/IAPMO Z1157-2014)
  Public Review Date: Sep 6, 2019 | Final Action Date: Feb 24, 2020 | Approved

- ANSI/IAPMO Z124.5-2013 (R2019), Plastic Toilet Seats (reaffirmation of ANSI/IAPMO Z124.5-2013)
  Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

  Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

- ANSI/IAPMO Z124.8-2013 (R2019), Prefabricated Liners for Bathtubs and Shower Receptors (reaffirmation of ANSI/IAPMO Z124.8-2013)
  Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

- ANSI/IAPMO Z1349-2021, Devices for Detection, Monitoring or Control of Plumbing Systems (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 4, 2021 | Approved

- ANSI/IAPMO Z601-2018, Scale Reduction Devices (new standard)
  PINS Date: Aug 17, 2007 | Public Review Date: Dec 29, 2017 | Final Action Date: Jul 11, 2018 | Approved

ICC (International Code Council)

  PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 5, 2020 | Approved

  PINS Date: Apr 1, 2011 | Public Review Date: Dec 29, 2017 | Final Action Date: Aug 17, 2018 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

- ANSI/ICC 1200-2021, Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

- ANSI/ICC 1205-2021, Standard for Off-Site Construction: Inspection and Regulatory Compliance (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

  PINS Date: Sep 15, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Dec 14, 2017 | Approved

  PINS Date: Sep 25, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Sep 14, 2021 | Approved

  PINS Date: Sep 22, 2017 | Public Review Date: Jun 26, 2020 | Final Action Date: Nov 2, 2020 | Approved
## ICC (International Code Council)

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## ICC (ASC A117) (International Code Council)

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## ICE (Institute for Credentialing Excellence)

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<td>Feb 20, 2009</td>
<td>Jul 12, 2013</td>
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<td>ANSI/IEEE 11073-10406-2011</td>
<td>Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3- lead ECG)</td>
<td>Feb 6, 2009</td>
<td>Mar 9, 2012</td>
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### IEEE (Institute of Electrical and Electronics Engineers)

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<td>ANSI/IEEE 1474.4-2011</td>
<td>Recommended Practice for Functional Testing of a Communications-Based Train Control (CBTC) System (new standard)</td>
<td>May 1, 2009</td>
<td>Mar 9, 2012</td>
<td>Jul 18, 2012</td>
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## Approved American National Standards

The data in this document is reported as of Tuesday, February 22, 2022

- Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

- PINS Date: Mar 26, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Aug 1, 2012 | Approved

- PINS Date: Jul 22, 2011 | Public Review Date: Jun 3, 2011 | Final Action Date: Jul 25, 2012 | Approved

- PINS Date: Aug 11, 2011 | Public Review Date: Aug 12, 2011 | Final Action Date: Jul 31, 2012 | Approved

- PINS Date: Aug 1, 2012 | Public Review Date: Jul 25, 2012 | Final Action Date: Sep 9, 2016 | Approved

- Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved

- PINS Date: Sep 27, 2013 | Public Review Date: Feb 5, 2016 | Final Action Date: Sep 7, 2016 | Approved

- PINS Date: Aug 11, 2011 | Public Review Date: Aug 12, 2011 | Final Action Date: Jul 31, 2012 | Approved

### ANSI/IEEE 1547.6-2011, Recommended Practice for Interconnecting Distributed Resources with Electric Power Systems Distribution (new standard)
- PINS Date: Apr 15, 2005 | Public Review Date: Oct 14, 2011 | Final Action Date: Jan 17, 2013 | Approved

### ANSI/IEEE 1549-2011, Standard for Microwave Filter Definitions (new standard)
- PINS Date: Mar 21, 2008 | Public Review Date: Jun 3, 2011 | Final Action Date: Jul 25, 2012 | Approved

- Public Review Date: Jun 3, 2011 | Final Action Date: Apr 16, 2012 | Approved

- PINS Date: Mar 23, 2001 | Public Review Date: Jul 8, 2011 | Final Action Date: Mar 27, 2012 | Approved

### ANSI/IEEE 1591.2-2017, Standard for Testing and Performance of Hardware for All-Dielectric Self-Supporting (ADSS) Fiber Optic Cable (new standard)
- PINS Date: Jan 21, 2011 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 10, 2018 | Approved

### ANSI/IEEE 1591.3-2011, Standard for Qualifying Hardware for Helically-Applied Fiber Optic Cable Systems (WRAP Cable) (new standard)
- PINS Date: Jan 21, 2011 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 15, 2013 | Approved

- PINS Date: Feb 22, 2008 | Public Review Date: Jan 9, 2009 | Final Action Date: May 21, 2009 | Approved
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<td>Guide for the Application of Faulted Circuit Indicators on Distribution Circuits</td>
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<td>ANSI/IEEE 1633-2016</td>
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<td>PINS Date: Nov 29, 2013</td>
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<td>ANSI/IEEE 1647-2016</td>
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<td>ANSI/IEEE 1652-2016</td>
<td>Standard for Translating Head and Torso Simulator Measurements from Eardrum to Other Acoustic Reference Points</td>
<td>Public Review Date: Mar 24, 2017</td>
<td>Final Action Date: Nov 15, 2017</td>
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<td>ANSI/IEEE 1653.1-2016</td>
<td>Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output</td>
<td>PINS Date: Apr 9, 2004</td>
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<td>ANSI/IEEE 1655.4-2011</td>
<td>Standard for dc Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 Volts dc Nominal</td>
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<td>ANSI/IEEE 1657a-2015</td>
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  Public Review Date: Jul 5, 2013 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/IEEE 1785.2-2016, Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above-- Part 2: Waveguide Interfaces (new standard)
  
  PINS Date: Nov 16, 2012 | Public Review Date: Sep 2, 2016 | Final Action Date: Sep 27, 2017 | Approved

  
  PINS Date: Jul 18, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jul 18, 2012 | Approved

- ANSI/IEEE 1788-2015, Standard for Interval Arithmetic (new standard)
  
  PINS Date: Jul 18, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/IEEE 1789-2015, Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers (new standard)
  
  PINS Date: Nov 14, 2008 | Public Review Date: Feb 5, 2016 | Final Action Date: Sep 7, 2016 | Approved

- ANSI/IEEE 1792-2017, Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (new standard)
  
  PINS Date: Aug 13, 2010 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 13, 2018 | Approved

  
  PINS Date: Aug 13, 2010 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 16, 2014 | Approved

  
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  PINS Date: Mar 4, 2011 | Public Review Date: May 27, 2016 | Final Action Date: May 5, 2017 | Approved

- ANSI/IEEE 1816-2013, Guide for Preparation Techniques of Extruded Dielectric, Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories (new standard)
  
  PINS Date: Mar 26, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jun 19, 2015 | Approved

  
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<td>Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), and End-Use Applications and Loads</td>
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PINS Date: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/IEEE 3001.11-2017, Recommended Practice for Application of controllers and automation to Industrial and Commercial Power Systems (new standard)
PINS Date: Jan 22, 2010 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 13, 2018 | Approved

- ANSI/IEEE 3001.8-2013, Recommended Practice for the Instrumentation and Metering of Industrial and Commercial Power Systems (new standard)
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  PINS Date: Jul 10, 2015 | Public Review Date: Dec 2, 2016 | Final Action Date: Sep 20, 2017 | Approved

- ANSI/IEEE 62582-3-2012, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/IEEE 62582-5-2015, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 5: Optical time domain reflectometry (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

- ANSI/IEEE 62704-2-2017, IEC/IEEE International Standard -- Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz -- Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas (new standard)
  PINS Date: Jun 24, 2011 | Public Review Date: Nov 3, 2017 | Final Action Date: Oct 11, 2018 | Approved
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  Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: Jul 31, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 17, 2018 | Approved

- ANSI/IEEE 7-4.3.2-2016, Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations (revision of ANSI/IEEE 7-4.3.2-2010)
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- ANSI/IEEE 802.15.4-2015, Standard for Low-Rate Wireless Personal Area Networks (WPANs) (revision of ANSI/IEEE 802.15.4-2011)
  PINS Date: Nov 8, 2013 | Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

- ANSI/IEEE 802.15.4j-2013, Standard for Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) - Amendment 4: Alternative Physical Layer Extension to Support Medical Body Area Network (MBAN) Services Operating in the 2360 MHz - 2400 MHz Band (new standard)
  PINS Date: Jan 21, 2011 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

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

- ANSI/IEEE 802.15.7-2011, Standard for Short-Range Wireless Optical Communication using Visible Light (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Sep 27, 2012 | Approved

- ANSI/IEEE 802.15.9-2016, Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams (new standard)
  PINS Date: Feb 24, 2012 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

  PINS Date: Jan 22, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1AC-2016, Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition (new standard)
  PINS Date: Nov 29, 2013 | Public Review Date: Jun 2, 2017 | Final Action Date: May 18, 2018 | Approved

- ANSI/IEEE 802.1AEbw-2013, Standard for Local and metropolitan area networks - Media Access Control (MAC) Security Amendment 2: Extended Packet Numbering (new standard)
  PINS Date: Jul 6, 2012 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 24, 2014 | Approved

- ANSI/IEEE 802.1BA-2011, Standard for Local and Metropolitan Area Networks - Audio Video Bridging (AVB) Systems (new standard)
  PINS Date: Jun 13, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 7, 2012 | Approved
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- ANSI/IEEE 802.1Q-2012, Standard for Local and Metropolitan Area Networks - Media Access Control (MAC) Bridges and Virtual Bridges  (revision of ANSI/IEEE 802.1Q-2006)
  Public Review Date: Jul 8, 2011 | Final Action Date: Apr 23, 2012 | Approved

- ANSI/IEEE 802.1Qaz-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes  (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: May 23, 2008 | Public Review Date: Jul 22, 2011 | Final Action Date: Sep 27, 2012 | Approved

- ANSI/IEEE 802.1Qbb-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Priority-based Flow Control  (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: May 23, 2008 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 26, 2012 | Approved

- ANSI/IEEE 802.1Qbc-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Provider Bridging - Remote Customer Service Interfaces  (addenda to ANSI/IEEE 802.1Q-2011)
  Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1Qbe-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Multiple Backbone Service Instance Identifier (I-SID) Registration Protocol (MIRP)  (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: Oct 23, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1Qcd-2016, Standard for Local and metropolitan area networks - Bridges and Bridged Networks - Amendment 23: Application Virtual Local Area Network (VLAN) Type, Length, Value (TLV)  (addenda to ANSI/IEEE 802.1Q-2012)
  PINS Date: Nov 8, 2013 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

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  PINS Date: Oct 29, 2004 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 26, 2012 | Approved

- ANSI/IEEE 802.3.1-2011, Standard for Management Information Base (MIB) definitions for Ethernet  (new standard)
  PINS Date: Feb 20, 2009 | Public Review Date: Jul 8, 2011 | Final Action Date: May 23, 2012 | Approved

  PINS Date: Jul 31, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved

- ANSI/IEEE 802.3bf-2011, Standard for Information Technology -Telecommunications and Information Exchange between Systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media access Control (MAC) service interface and management parameters to support time synchronization protocols  (supplement to ANSI/IEEE 802.3-2009)
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- ANSI/IEEE 802.3bu-2016, Standard for Ethernet Amendment 8: Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet (new standard)
  PINS Date: Jan 17, 2014 | Public Review Date: Jun 2, 2017 | Final Action Date: May 4, 2018 | Approved

- ANSI/IEEE 807-2011, Recommended Practice for Unique Identification in Hydroelectric Facilities (new standard)
  PINS Date: Nov 15, 2002 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

  PINS Date: Mar 18, 2005 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 3, 2014 | Approved

- ANSI/IEEE 810-2015, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (new standard)
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- ANSI/IEEE C37.010-2016, Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis (new standard)
  PINS Date: Jan 28, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

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- ANSI/IEEE C37.06.1-2021, Recommended Practice for Preferred Ratings for High-Voltage (1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times (new standard)
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- ANSI/IEEE C37.122.3-2011, Guide for Sulphur Hexafluoride (SF6) Gas Handling for High Voltage (over 1000 Vac) Equipment (new standard)
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<td>ANSI/IEEE C37.244-2013</td>
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<td>ANSI/IEEE C37.41-2016</td>
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- **ANSI/IEEE C57.12.01-2015**, Standard for General Requirements for Dry-Type Distribution and Power Transformers  *(new standard)*
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- **ANSI/IEEE C57.12.34-2015**, Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below  *(revision of ANSI/IEEE C57.12.34-2009)*
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ANSI/IEEE C57.150-2012, Guide for the Transportation of Transformers and Reactors Rated 10 000 kVA or Higher (new standard)
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ANSI/IEEE C57.156-2016, Guide for Tank Rupture Mitigation of Liquid-Immersed Power Transformers and Reactors (new standard)
PINS Date: Aug 12, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 6, 2017 | Approved

PINS Date: Feb 24, 2012 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 7, 2017 | Approved

ANSI/IEEE C57.159-2016, Guide on Transformers for Application in Distributed Photovoltaic (DPV) Power Generation Systems (new standard)
PINS Date: Jul 6, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 21, 2017 | Approved

PINS Date: Mar 19, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 7, 2012 | Approved

PINS Date: Jul 3, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 13, 2016 | Approved

ANSI/IEEE C57.17-2012, Standard Requirements for Arc Furnace Transformers (new standard)
PINS Date: Aug 17, 2007 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 21, 2014 | Approved

PINS Date: May 5, 2006 | Public Review Date: Jul 12, 2013 | Final Action Date: Nov 3, 2014 | Approved

PINS Date: Mar 2, 2012 | Public Review Date: May 27, 2016 | Final Action Date: May 11, 2017 | Approved

PINS Date: Feb 6, 2009 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 10, 2017 | Approved

ANSI/IEEE C57.94-2015, Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers (revision of ANSI/IEEE C57.94-2000 (R2006))
PINS Date: Feb 24, 2012 | Public Review Date: May 27, 2016 | Final Action Date: Jun 1, 2017 | Approved

Public Review Date: Jun 3, 2011 | Final Action Date: Jul 24, 2012 | Approved
IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE C62.33-2016, Standard for Test Methods and Performance Values of Metal-Oxide Varistor Surge Protective Components (new standard)
PINS Date: Jul 22, 2011 | Public Review Date: May 26, 2017 | Final Action Date: May 22, 2018 | Approved

PINS Date: Mar 26, 2010 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 28, 2017 | Approved

PINS Date: Aug 25, 2006 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 6, 2014 | Approved

PINS Date: Nov 2, 2012 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 3, 2014 | Approved

PINS Date: Apr 12, 2013 | Public Review Date: Jun 2, 2017 | Final Action Date: May 8, 2018 | Approved

PINS Date: Apr 12, 2013 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

PINS Date: Jan 17, 2014 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 16, 2018 | Approved

PINS Date: May 21, 2010 | Public Review Date: May 26, 2017 | Final Action Date: May 18, 2018 | Approved

PINS Date: Nov 29, 2013 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 3, 2017 | Approved

PINS Date: Jul 17, 2009 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

PINS Date: Oct 30, 2009 | Public Review Date: Jul 21, 2017 | Final Action Date: Aug 7, 2018 | Approved

Public Review Date: Jul 12, 2013 | Final Action Date: Oct 27, 2014 | Approved

- ANSI/IEEE C93.3-2017, Standard for the Requirements for Power-Line Carrier Line Traps (30-500 kHz) (new standard)
PINS Date: Feb 24, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/IEEE C93.4-2012, Standard for Power-Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines (new standard)
PINS Date: Jul 15, 2005 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 3, 2014 | Approved
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Approved American National Standards

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE C63.4a-2017, Draft Standard for the Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz: Amendment 1: Amendment to Annex D of ANSI C63.4-2014 on Test Site Validation (supplement to ANSI/IEEE C63.4-2014)
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 23, 2017 | Final Action Date: Sep 15, 2017 | Approved

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

- ANSI C63.27-2021, Standard for Evaluation of Wireless Coexistence (revision of ANSI C63.27-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 29, 2021 | Approved

  PINS Date: Aug 23, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.32-2016, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (revision of ANSI N42.32-2006)
  PINS Date: Sep 6, 2013 | Public Review Date: Jun 19, 2015 | Final Action Date: Apr 7, 2016 | Approved

  PINS Date: Oct 21, 2016 | Public Review Date: Oct 13, 2017 | Final Action Date: Aug 9, 2019 | Approved

- ANSI N42.34-2021, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides (revision of ANSI N42.34-2015)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI N42.34a-2020, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides Amendment (addenda to ANSI N42.34-2015)
  PINS Date: Sep 6, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Aug 10, 2020 | Approved

  PINS Date: Sep 6, 2013 | Public Review Date: Feb 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI N42.37-2016, Training for the Radiological/Nuclear Detection Mission (revision of ANSI N42.37-2006)
  PINS Date: Aug 15, 2014 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 7, 2016 | Approved

  PINS Date: Jun 29, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI N42.41-2021, Standard Minimum Performance Criteria for Active Interrogation Systems Used for Homeland Security (revision of ANSI N42.41-2007 (R2017))
  PINS Date: Oct 20, 2017 | Public Review Date: May 28, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI N42.42-2020, Standard Data Format for Radiation Detectors Used for Homeland Security (revision of ANSI N42.42-2012)
  PINS Date: Apr 26, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Apr 23, 2020 | Approved

- ANSI N42.43-2016, Performance Criteria for Mobile and Transportable Radiation Monitors Used for Homeland Security (revision of ANSI N42.43-2006)
  PINS Date: Sep 6, 2013 | Public Review Date: Nov 13, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI N42.45-2021, Standard for Evaluating the Image Quality of X-ray Computed Tomography (CT) Security-Screening Systems (new standard)
  PINS Date: Sep 5, 2014 | Public Review Date: Sep 3, 2021 | Final Action Date: Dec 22, 2021 | Approved
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<th>ANSI / IES</th>
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IES (Illuminating Engineering Society)

  PINS Date: Nov 22, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES LM-72-2020, Approved Method: Directional Positioning of Photometric Data (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  PINS Date: Nov 7, 2014 | Public Review Date: Nov 11, 2016 | Final Action Date: Apr 16, 2018 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 22, 2019 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 7, 2020 | Approved

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  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 6, 2021 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

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  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved
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<td>ANSI/IES LM-88-2018</td>
<td>Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (new standard)</td>
<td>PINS Date: Dec 4, 2015</td>
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<td>ANSI/IES LM-90-2020</td>
<td>IES Approved Method: Measuring and Quantifying Temporal Light Artifacts (TLA) (new standard)</td>
<td>PINS Date: Jan 4, 2019</td>
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<td>ANSI/IES LM-91 (C303)-2022</td>
<td>IES (Guide to) Approved Method: Application Distance Specific Radiometry (new standard)</td>
<td>PINS Date: Jan 18, 2019</td>
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<td>ANSI/IES LP-1-2020</td>
<td>IES Lighting Practice: Designing Quality Lighting for People and Buildings (new standard)</td>
<td>PINS Date: Apr 26, 2019</td>
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<td>ANSI/IES LP-10-2020</td>
<td>Lighting Practice: Sustainable Lighting - An Introduction to the Environmental Impacts of Lighting (new standard)</td>
<td>PINS Date: Jul 5, 2019</td>
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<td>ANSI/IES LP-11-2020</td>
<td>Lighting Practice: Environmental Considerations for Outdoor Lighting (new standard)</td>
<td>PINS Date: Sep 27, 2019</td>
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<td>ANSI/IES LP-12-2021</td>
<td>Lighting Practice: IoT Connected Lighting (new standard)</td>
<td>PINS Date: Feb 15, 2019</td>
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<td>ANSI/IES LP-13-2021</td>
<td>Lighting Practice: Introduction to Resilient Lighting (new standard)</td>
<td>PINS Date: Apr 9, 2021</td>
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<td>ANSI/IES LP-2-2020</td>
<td>Lighting Practice: Designing Quality Lighting for People in Outdoor Environments (new standard)</td>
<td>PINS Date: Jan 4, 2019</td>
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<td>ANSI/IES LP-3-2020</td>
<td>Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)</td>
<td>PINS Date: Jun 14, 2019</td>
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<td>ANSI/IES LP-4-2020</td>
<td>Lighting Practice: Electric Light Sources - Properties, Selection and Specification (new standard)</td>
<td>PINS Date: Jun 14, 2019</td>
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<td>ANSI/IES LP-6-2020</td>
<td>Lighting Practice: Lighting Control Systems - Properties, Equipment and Specification (new standard)</td>
<td>PINS Date: Sep 27, 2019</td>
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<td>ANSI/IES LP-7-2020</td>
<td>Lighting Practice: The Lighting Design and Construction Process (new standard)</td>
<td>PINS Date: Nov 8, 2019</td>
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### IES (Illuminating Engineering Society)

  
  **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 24, 2020 | Approved

  
  **PINS Date**: Mar 1, 2019 | **Public Review Date**: Jul 5, 2019 | **Final Action Date**: Apr 21, 2020 | Approved

- **ANSI/IES LS-3-2020, Lighting Science: Physics and Optics of Radiant Power** (new standard)
  
  **PINS Date**: Jul 5, 2019 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

  
  **PINS Date**: Jul 5, 2019 | **Public Review Date**: Jan 24, 2020 | **Final Action Date**: Mar 13, 2020 | Approved

- **ANSI/IES LS-5-2021, Lighting Science: Color** (new standard)
  
  **PINS Date**: Feb 15, 2019 | **Public Review Date**: Mar 27, 2020 | **Final Action Date**: Jan 11, 2021 | Approved

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

- **ANSI/IES LS-7-2020, Lighting Science: Vision - Eye and Brain** (new standard)
  
  **PINS Date**: Jul 5, 2019 | **Public Review Date**: Nov 8, 2019 | **Final Action Date**: Feb 7, 2020 | Approved

- **ANSI/IES LS-8-2020, Lighting Science: Vision - Perceptions and Performance** (new standard)
  
  **PINS Date**: Sep 27, 2019 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

- **ANSI/IES RP-1-2020, Recommended Practice: Lighting Office Spaces** (revision of ANSI/IES RP-1-2013)
  
  **Public Review Date**: Jul 26, 2019 | **Final Action Date**: Feb 7, 2020 | Approved

- **ANSI/IES RP-10-2020, Recommended Practice: Lighting Common Applications** (new standard)
  
  **PINS Date**: Nov 8, 2019 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

- **ANSI/IES RP-2-2020, Recommended Practice: Lighting Retail Spaces** (new standard)
  
  **PINS Date**: Jun 28, 2019 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

  
  **PINS Date**: Dec 6, 2019 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

- **ANSI/IES RP-28-2020, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired** (revision of ANSI/IES RP-28-2016)
  
  **PINS Date**: Jul 26, 2019 | **Public Review Date**: Nov 8, 2019 | **Final Action Date**: Feb 7, 2020 | Approved

- **ANSI/IES RP-29-2020, Recommended Practice: Lighting Hospital and Healthcare Facilities** (revision of ANSI/IES RP-29-2016)
  
  **PINS Date**: Jun 28, 2019 | **Public Review Date**: Nov 8, 2019 | **Final Action Date**: Mar 23, 2020 | Approved

- **ANSI/IES RP-3-2020, Recommended Practice: Lighting Educational Facilities** (revision of ANSI/IESNA RP-3-2013)
  
  **PINS Date**: Jul 28, 2017 | **Public Review Date**: Mar 6, 2020 | **Final Action Date**: Apr 21, 2020 | Approved

  
  **PINS Date**: Nov 7, 2014 | **Public Review Date**: Oct 14, 2016 | **Final Action Date**: Jan 30, 2017 | Approved

- **ANSI/IES RP-30-2020, Recommended Practice: Lighting Museums** (revision of ANSI/IES RP-30-16)
  
  **PINS Date**: Jun 28, 2019 | **Public Review Date**: Jan 24, 2020 | **Final Action Date**: Mar 20, 2020 | Approved
IES (Illuminating Engineering Society)

- ANSI/IES RP-31-2020, Recommended Practice: Economic Analysis of Lighting (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES RP-37-2020, Recommended Practice: Lighting Airport Outdoor Environments (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Jan 2, 2009 | Public Review Date: Jul 14, 2017 | Final Action Date: Dec 21, 2017 | Approved

  PINS Date: Dec 28, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/IES RP-4-2020, Recommended Practice: Lighting Library Spaces (new standard)
  PINS Date: Jan 24, 2020 | Public Review Date: Apr 3, 2020 | Final Action Date: May 21, 2020 | Approved

- ANSI/IES RP-40-2019, Recommended Practice: Lighting Port Terminals (new standard)
  PINS Date: Aug 26, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Dec 17, 2019 | Approved

- ANSI/IES RP-41-2020, Recommended Practice: Lighting Theatre and Auditorium Spaces (new standard)
  PINS Date: Jan 24, 2020 | Public Review Date: Feb 15, 2020 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-42-2020, Recommended Practice: Dimming and Control Method Designations (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved

- ANSI/IES RP-44-2021, Recommended Practice: Ultraviolet Germicidal Irradiation (UVGI) (new standard)
  PINS Date: Mar 12, 2021 | Public Review Date: May 7, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/IES RP-45-2021, Recommended Practice: Horticultural Lighting (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 17, 2021 | Approved

- ANSI/IES RP-6-2020, Recommended Practice: Lighting Sports and Recreational Areas (new standard)
  PINS Date: Jun 28, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES RP-7-2017, Recommended Practice for Lighting Industrial Facilities (revision and redesignation of ANSI/IESNA RP-7-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI/IES RP-7-2020, Recommended Practice: Lighting Industrial Facilities (revision of ANSI/IES RP-7-2017)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-7-2021, Recommended Practice: Lighting Industrial Facilities (addenda to ANSI/IES RP-7-2020)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 5, 2021 | Final Action Date: Mar 25, 2021 | Approved

  PINS Date: Nov 8, 2019 | Public Review Date: Jan 16, 2020 | Final Action Date: Jan 16, 2020 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Jun 8, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/IES RP-8-2021, Recommended Practice: Design and Maintenance of Roadway and Parking Facility Lighting (revision of ANSI/IES RP-8-2018)
  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 18, 2021 | Approved
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IES (Illuminating Engineering Society)

  PINS Date: Feb 15, 2019 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 17, 2021 | Approved

  PINS Date: Dec 1, 2017 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | Approved

- ANSI/IES/NALMCO RP-36-2020, Recommended Practice: Lighting Maintenance (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

IEST (Institute of Environmental Sciences and Technology)

1827 Walden Office Square, Suite 400, Schaumburg, IL 60173 | w: www.iest.org

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

  PINS Date: Jul 13, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Mar 22, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

  Public Review Date: Jan 27, 2006 | Final Action Date: Mar 24, 2006 | Approved

  Public Review Date: Dec 20, 2002 | Final Action Date: Jul 29, 2003 | Approved

  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-7-2004, Cleanrooms and associated controlled environments-Part 7: Separative devices (clean air hoods, gloveboxes, isolators and minienvironments (identical national adoption of ISO 14644-7)
  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-8-2006, Cleanrooms and associated controlled environments - Part 8: Classification of airborne molecular contamination (identical national adoption of ISO 14644-8)
  Public Review Date: Sep 15, 2006 | Final Action Date: Nov 17, 2006 | Approved
**IEST (Institute of Environmental Sciences and Technology)**

  - PINS Date: Jun 15, 2012 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

**IIAR (International Institute of Ammonia Refrigeration)**

  - Public Review Date: Mar 24, 2017 | Final Action Date: Jun 30, 2017 | Approved

  - PINS Date: Feb 10, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  - PINS Date: Aug 9, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 8, 2021 | Approved

- ANSI/IIAR 3-2017, Ammonia Refrigeration Valves  (revision of ANSI/IIAR 3-2012)
  - Public Review Date: Mar 24, 2017 | Final Action Date: Jun 30, 2017 | Approved

  - PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

  - PINS Date: Jun 23, 2017 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  - PINS Date: Feb 29, 2008 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  - PINS Date: Jun 23, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 16, 2019 | Approved

  - PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

  - PINS Date: Oct 2, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 3, 2020 | Approved

  - PINS Date: Oct 30, 2015 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 13, 2021 | Approved

**IICRC (The Institute of Inspection, Cleaning and Restoration Certification)**

- ANSI/IICRC S100-2021, Standard for Professional Cleaning of Textile Floor Coverings  (revision of ANSI/IICRC S100 -2015)
  - PINS Date: Feb 19, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/IICRC S220-2020, Standard for Professional Inspection of Hard Surface Floor Coverings  (new standard)
  - PINS Date: Feb 22, 2013 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 3, 2020 | Approved

  - PINS Date: Feb 19, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Feb 25, 2021 | Approved
## IICRC (The Institute of Inspection, Cleaning and Restoration Certification)

- ANSI/IICRC S520-2015, Standard for Professional Mold Remediation  (new standard)  
  PINS Date: Jan 27, 2012 | Public Review Date: Jun 28, 2019 | Final Action Date: Oct 6, 2015 | Approved

- ANSI/IICRC S540-2017, Standard for Trauma and Crime Scene Remediation  (new standard)  
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 28, 2019 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/IICRC S800-2013, Standard and Reference Guide for Professional Inspection of Textile Floor Coverings (new standard)  
  PINS Date: Oct 15, 2010 | Public Review Date: Jan 25, 2013 | Final Action Date: Oct 18, 2013 | Approved

## IKECA (International Kitchen Exhaust Cleaning Association)

  PINS Date: Feb 21, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Nov 12, 2020 | Approved

  PINS Date: Jan 18, 2019 | Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

  PINS Date: Jan 19, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: Sep 26, 2019 | Approved

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

  PINS Date: Feb 24, 2017 | Public Review Date: May 10, 2019 | Final Action Date: Dec 5, 2019 | Approved

- ANSI N14.36-2020, Measurement of Radioactivity Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013)  
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI N14.5-2014, Leakage Tests on Packages for Shipment  (new standard)  
  PINS Date: Jul 20, 2012 | Public Review Date: Feb 28, 2014 | Final Action Date: Jun 19, 2014 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: May 7, 2021 | Final Action Date: Jul 20, 2021 | Approved

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

  PINS Date: Nov 14, 2008 | Public Review Date: Mar 12, 2021 | Final Action Date: May 21, 2021 | Approved

- ANSI N15.36-2021, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay  (new standard)  
  PINS Date: Jan 15, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 5, 2021 | Approved

  PINS Date: Jun 1, 2012 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 27, 2017 | Approved
INMM (ASC N15) (Institute of Nuclear Materials Management)

  PINS Date: Nov 14, 2008 | Public Review Date: May 2, 2014 | Final Action Date: Oct 20, 2014 | Approved

  PINS Date: Feb 28, 2014 | Public Review Date: Apr 25, 2014 | Final Action Date: Jun 10, 2015 | Approved

IPC (IPC - Association Connecting Electronics Industries)

3000 Lakeside Drive, Suite 105 N, Bannockburn, IL  60015 | w: www.ipc.org

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

IREC (Interstate Renewable Energy Council, Inc.)

125 Wolf Road, Suite 207, Albany, NY  12205 | w: www.irecusa.org

- ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs  (new standard)
  PINS Date: Jan 3, 2014 | Public Review Date: Feb 28, 2014 | Final Action Date: Jun 18, 2014 | Approved

IS&T (The Society for Imaging Science & Technology)

7003 Kilworth Lane, Springfield, VA  22151 | w: www.imaging.org

  PINS Date: Aug 8, 2008 | Public Review Date: Jul 25, 2014 | Final Action Date: Jan 28, 2015 | Approved

- ANSI/IS&T IT10.7000-2015, Photography - Digital still cameras - Guidelines for reporting pixel-related specifications  (new standard)
  PINS Date: Aug 8, 2008 | Public Review Date: Jul 25, 2014 | Final Action Date: Jan 28, 2015 | Approved

ISA (ASC Z133) (International Society of Arboriculture)

270 Peachtree Street NW, Suite 1900, Atlanta, GA  30303 | w: www.isa-arbor.com

  PINS Date: Jan 18, 2013 | Public Review Date: Nov 18, 2016 | Final Action Date: Oct 5, 2017 | Approved

ISA (Organization) (International Society of Automation)

67 Alexander Drive, Research Triangle Park, NC  27709 | w: www.isa.org

- ANSI/ISA 100.11a-2011, Wireless Systems for Industrial Automation: Process Control and Related Applications  (new standard)
  PINS Date: Jul 9, 2010 | Public Review Date: Dec 24, 2010 | Final Action Date: Dec 14, 2011 | Approved

  PINS Date: Dec 17, 2010 | Public Review Date: Mar 13, 2015 | Final Action Date: Jul 9, 2015 | Approved

- ANSI/ISA 107.01-2013, Industry Standard File Format for Revolution-Based Tip Timing Data  (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Sep 28, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/ISA 18.2-2016, Management of alarm systems for the process industries  (revision of ANSI/ISA 18.2-2009)
  PINS Date: Jul 25, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 17, 2016 | Approved
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 62453-1 (103.00.01)-2018, Field device tool (FDT) interface specification - Part 1: Overview and guidance (national adoption of IEC 62453-1 with modifications and revision of ANSI/ISA 62453-1 (103.00.01)-2011)
  PINS Date: Mar 18, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 21, 2018 | Approved

- ANSI/ISA 62453-2 (103.00.02)-2018, Field device tool (FDT) interface specification - Part 2: Concepts and detailed description (national adoption of IEC 62453-2 with modifications and revision of ANSI/ISA 62453-2 (103.00.02)-2011)
  PINS Date: Mar 18, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 21, 2018 | Approved

- ANSI/ISA 62453-301 (103.00.03)-2018, Field device tool (FDT) interface specification - Part 301: Communication profile integration - IEC 61784 CPF 1 (national adoption of IEC 62453-301 with modifications and revision of ANSI/ISA 62453-301 (103.00.03)-2011)
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- ANSI/ISA 62453-303-1 (103.00.05)-2018, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (identical national adoption of IEC 62453-303-1 and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)
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  PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Nov 12, 2018 | Approved

- ANSI/ISA 62453-306 (103.00.07)-2011, Field device tool (FDT) interface specification - Part 306: Communication profile integration - IEC 61784 CPF 6 (national adoption with modifications of IEC 62453-306)
  PINS Date: Sep 4, 2009 | Public Review Date: Oct 8, 2010 | Final Action Date: May 31, 2011 | Approved

- ANSI/ISA 62453-309 (103.00.08)-2018, Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC 62453-309 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)
  PINS Date: Feb 16, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Nov 12, 2018 | Approved

- ANSI/ISA 62453-315 (103.00.09)-2018, Field device tool (FDT) interface specification - Part 315: Communication profile integration - IEC 61784 CPF 15 (national adoption of IEC 62453-315 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)
  PINS Date: Jul 20, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 12, 2018 | Approved

- ANSI/ISA 62769-1-2016, Field Device Integration (FDI) - Part 1: Overview (identical national adoption of IEC 62769-1)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-103-1-2016, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS (identical national adoption of IEC 62769-103-1:2015)
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 75.25.01-2001 (R2010), Test Procedure for Control Valve Response  (reaffirmation of ANSI/ISA 75.25.01 -2001)
PINS Date: Feb 3, 2006 | Public Review Date: Nov 27, 2009 | Final Action Date: Jun 16, 2010 | Approved

- ANSI/ISA 77.14.01-2010, Fossil Fuel Power Plant Steam Turbine Controls  (new standard)
PINS Date: Dec 31, 1999 | Public Review Date: Sep 10, 2010 | Final Action Date: Dec 1, 2010 | Approved

- ANSI/ISA 77.20.01-2012, Fossil Fuel Power Plant Simulators: Functional Requirements  (revision and partition of ANSI/ISA 77.20-2005)
PINS Date: Mar 25, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: Feb 22, 2012 | Approved

- ANSI/ISA 77.41.01-2015, Fossil Fuel Power Plant Boiler Combustion Controls  (revision of ANSI/ISA 77.41.01-2010)
PINS Date: Mar 14, 2014 | Public Review Date: May 22, 2015 | Final Action Date: Oct 27, 2015 | Approved

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

- ANSI/ISA 77.43.01-2014, Fossil Fuel Power Plant Unit/Plant Demand Development  (revision of ANSI/ISA S77.43.01 -1994 (R2008))
PINS Date: Nov 23, 2012 | Public Review Date: Sep 26, 2014 | Final Action Date: Dec 22, 2014 | Approved

- ANSI/ISA 77.44.01-2007 (R2013), Fossil Fuel Power Plant - Steam Temperature Controls  (reaffirmation of ANSI/ISA 77.44.01-2007)
Public Review Date: May 4, 2012 | Final Action Date: Mar 7, 2013 | Approved

- ANSI/ISA 77.70.02-2014, Fossil Fuel Power Plant Instrument Piping Installation  (revision of ANSI/ISA 77.70.02-2005 (R2010))
PINS Date: Mar 14, 2014 | Public Review Date: Oct 3, 2014 | Final Action Date: Dec 15, 2014 | Approved

- ANSI/ISA 77.82.01-2019, Selective Catalytic Reduction (SCR) Control Systems  (revision of ANSI/ISA 77.82.01-2011)
PINS Date: Dec 18, 2015 | Public Review Date: Jan 25, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/ISA 84.91.01-2013, Identification and Mechanical Integrity of Process Safety Controls, Alarms, and Interlocks in the Process Industry Sector  (revision of ANSI/ISA 84.91.01-2012)
PINS Date: Mar 18, 2016 | Public Review Date: Oct 30, 2020 | Final Action Date: Feb 4, 2021 | Approved

- ANSI/ISA 88.00.01-2010, Batch Control Part 1: Models and Terminology  (new standard)
PINS Date: Feb 2, 2007 | Public Review Date: Jul 23, 2010 | Final Action Date: Dec 6, 2010 | Approved

- ANSI/ISA 95.00.01 (IEC 62264-1 Modified)-2010, Enterprise-Control System Integration - Part 1: Models and Terminology  (national adoption of IEC 62264-1 with modifications and revision of ANSI/ISA 95.00.01-2000)
PINS Date: Mar 14, 2008 | Public Review Date: Jul 31, 2009 | Final Action Date: May 13, 2010 | Approved

- ANSI/ISA 95.00.02-2018, Enterprise-Control System Integration - Part 2: Objects and Attributes for enterprise-control (national adoption of IEC 62264-2 with modifications and revision of ANSI/ISA 95.00.02 (IEC 62264-2 Modified)-2010)
PINS Date: Apr 24, 2015 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/ISA 95.00.03 (IEC 62264-3 Modified)-2013, Enterprise-Control System Integration - Part 3: Activity Models of Manufacturing Operations Management  (national adoption with modifications of IEC 62264-3)
PINS Date: Mar 14, 2008 | Public Review Date: Feb 8, 2013 | Final Action Date: Jul 8, 2013 | Approved

- ANSI/ISA 95.00.04-2018, Enterprise-Control System Integration - Part 4: Object model attributes for manufacturing operations management integration  (revision of ANSI/ISA 95.00.04-2012)
PINS Date: Feb 19, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

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- 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 Date: Mar 30, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Dec 3, 2018 | Approved

- ANSI/ISA 95.00.06-2014, Enterprise-Control System Integration - Part 6: Messaging Service Model (new standard)
  PINS Date: Sep 6, 2013 | Public Review Date: Apr 4, 2014 | Final Action Date: Oct 10, 2014 | Approved

- ANSI/ISA 95.00.07-2018, Enterprise-Control System Integration - Part 7: Alias Service Model (new standard)
  PINS Date: May 16, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 28, 2017 | Approved

- ANSI/ISA 95.00.08-2020, Enterprise-Control System Integration - Part 8: Information Exchange Profiles (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Dec 27, 2019 | Final Action Date: May 8, 2020 | Approved

- ANSI/ISA 96.01.01-2019, Valve Actuator Terminology (new standard)
  PINS Date: May 19, 2006 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 22, 2021 | Approved

- ANSI/ISA 96.02.01-2016, Guidelines for the Specification of Electric Valve Actuators (revision of ANSI/ISA 96.02.01-2008)
  PINS Date: Aug 3, 2012 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI/ISA 96.03.01-2019, Guidelines for the Specification of Heavy Duty Pneumatically Powered Quarter Turn Scotch Yoke Valve Actuators (revision of ANSI/ISA 96.03.01-2012)
  PINS Date: Apr 21, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 3, 2020 | Approved

- ANSI/ISA 96.03.02-2015, Guidelines for the Specification of Pneumatic Rack and Pinion Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: May 15, 2015 | Final Action Date: Jul 28, 2015 | Approved

- ANSI/ISA 96.03.03-2013, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Mar 7, 2013 | Approved

- ANSI/ISA 96.03.04-2019, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Jul 19, 2019 | Final Action Date: Apr 27, 2020 | Approved

- ANSI/ISA 96.06.01-2014, Guidelines for the Specification of Self Contained Electro-Hydraulic Valve Actuators (new standard)
  PINS Date: May 18, 2012 | Public Review Date: May 2, 2014 | Final Action Date: Sep 10, 2014 | Approved

- ANSI/ISA 96.08.01-2017, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)
  PINS Date: May 13, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Feb 23, 2017 | Approved

ISANTA (International Staple, Nail and Tool Association)

8735 W. Higgins Road, Suite 300; c/o Association Management Center, Chicago, IL 60631

- ANSI SNT-101-2015, Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Tools (new standard)
  PINS Date: Jul 10, 2009 | Public Review Date: Aug 31, 2012 | Final Action Date: Apr 7, 2015 | Approved

ISDI (ASC MH2) (Industrial Steel Drum Institute)

P.O. Box 8570, Alexandria, VA 22306-8570 | w: www.whysteeldrums.org

- ANSIASC MH2-2018, Standard for Materials Handling (Containers) - Steel Drums and Pails (new standard)
  PINS Date: Mar 31, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jan 15, 2019 | Approved
Approved American National Standards

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**ISEA (International Safety Equipment Association)**

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

  - Public Review Date: Jul 19, 2019 | Final Action Date: Oct 7, 2019 | Approved

- ANSI/ISEA 105-2016, Hand Protection Classification (revision of ANSI/ISEA 105-2011)
  - PINS Date: Jun 19, 2015 | Public Review Date: Oct 9, 2015 | Final Action Date: Jan 12, 2016 | Approved

  - PINS Date: Jul 27, 2017 | Public Review Date: May 15, 2020 | Final Action Date: Sep 8, 2020 | Approved

- ANSI/ISEA 121-2018, Dropped Object Prevention Solutions (new standard)
  - PINS Date: Dec 25, 2015 | Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/ISEA 125-2021, Conformity Assessment of Safety and Personal Protective Equipment (revision of ANSI/ISEA 125-2014)
  - PINS Date: May 25, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Jun 17, 2021 | Approved

- ANSI/ISEA 138-2019, Performance and Classification for Impact-Resistant Gloves (new standard)
  - PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Feb 19, 2019 | Approved

- ANSI/ISEA 201-2019, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments (revision of ANSI/ISEA 201-2012)
  - PINS Date: Jan 30, 2015 | Public Review Date: Jun 7, 2019 | Final Action Date: Aug 19, 2019 | Approved

  - PINS Date: Nov 2, 2007 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/ISEA Z308.1-2021, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2015)
  - PINS Date: Dec 21, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Jun 6, 2022 | Approved

  - Public Review Date: Apr 10, 2020 | Final Action Date: Oct 28, 2020 | Approved

- ANSI/ISEA Z89.1-2014 (R2019), Industrial Head Protection (reaffirmation of ANSI/ISEA Z89.1-2014)
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**ISEA (ASC Z87) (International Safety Equipment Association)**

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

- ANSI ISEA Z87.1-2020, Occupational and Education Personal Eye and Face Protection Devices (revision of ANSI ISEA Z87.1-2015)
  - PINS Date: Jun 3, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Mar 11, 2020 | Approved

- ANSI ISEA Z87.62-2021, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids (new standard)
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ISTA (International Safe Transit Association)
1400 Abbot Road, Suite 160, East Lansing, MI 48823 | w: www.ista.org

ANSI/ISTA Procedure 3E-2017, Similar Packaged-Products in Unitized Loads for Truckload Shipment (new standard)
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ITI (INCITS) (InterNational Committee for Information Technology Standards)
700 K Street NW, Suite 600, Washington, DC 20001 | w: www.incits.org

INCITS 100-1989 [S2020], Interface Between DTE & DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25) (stabilized maintenance of INCITS 100-1989 (R2005))
Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | 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 (PDSN), or between Two DTEs, by Dedicated Circuit Addendum (stabilized maintenance of INCITS 100a-1991 (R2005))
Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

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 Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

INCITS 11-1990 [S2017], General Purpose Paper Cards for Information Processing (stabilized maintenance of INCITS 11-1990 (R2002))
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INCITS 111-1986 [S2017], Information Systems - Optical Character Recognition (OCR) - Matrix Character Sets for OCR-M (stabilized maintenance of INCITS 111-1986 (R2002))
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

INCITS 112-1984 [S2017], 14-inch (356-mm) Diameter and Low Surface Friction Magnetic Storage Disk (stabilized maintenance of INCITS 112-1984 (R2002))
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

INCITS 113-1987 [S2018], Information Systems - Programming Language - Full BASIC (stabilized maintenance of INCITS 113-1987 (R2003))
Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

INCITS 113a-1989 [S2018], Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC (stabilized maintenance of INCITS 113a-1989 (R2003))
Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

INCITS 115-1984 [S2017], Unformatted 80 Megabyte Trident Pack for Use at 370 TPI and 6000 BPI - Physical, Mechanical and Magnetic Characteristics (stabilized maintenance of INCITS 115-1984 (R2002))
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

INCITS 116-1986 [S2017], Recorded Magnetic Tape Cartridge for Information Interchange 4-Track, Serial 0.250 in (6.30 mm) 6400 BPI (252 BPMM) Inverted Modified Frequency ModulationEncoded (stabilized maintenance of INCITS 116-1986 (R2002))
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 118-1998 [S2018], Personal Identification Number - PIN Pad (stabilized maintenance of INCITS 118-1998 (R2003))
  Public Review Date: Feb 1, 2008 | Final Action Date: Jun 30, 2008 | 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 Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

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

- INCITS 121-1984 [S2021], Two-Sided Unformatted 8-Inch (200 MM) Double Density Flexible Disk Cartridge (For 13262 FTPR Two-headed Application) (Combined with Project 287) (stabilized maintenance of INCITS 121-1984 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

- INCITS 124-1985 [S2012], Information processing systems - Computer graphics - Graphical Kernel System (GKS) Functional Description (stabilized maintenance of INCITS 124-1985 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

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  Public Review Date: Dec 25, 2009 | Final Action Date: Mar 24, 2010 | Approved

- INCITS 125-1985 [S2021], Two-Sided, Double-Density, Unformatted 5.25 Inch (130 mm) 48-tpi (1.9 tpmm) Flexible Disk Cartridge for 7958 BPR Use (stabilized maintenance of INCITS 125-1985 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | 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 (R2006))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 127-1987 [S2017], Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 Inch (6.30 mm), 6400-10 000 fpi (252-394 ftpmm) (stabilized maintenance of INCITS 127-1987 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

- INCITS 136-1986 [S2017], Serial Recorded Magnetic Tape Cartridge for Information Interchange, Four and Nine Track, 0.250 Inch (6.30 mm), 8000 bpi (315 bppm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 136-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved
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- **INCITS 163-1988 [S2017], Information Systems - Contact Start/Stop Metallic Film Storage Disk - 83,333 Flux Transitions Per Track, 130-mm (5.118-in) Outer Diameter and 40-mm (1.575-in) Inner Diameter** (stabilized maintenance of INCITS 163-1988 (R2002))
  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- **INCITS 164-1990 [S2021], Unrecorded Magnetic Tape Cassette for Information Interchange 3.81 mm (0.150 In), 252 to 394 ftpmm (6400 to 10000 fpi)** (stabilized maintenance of INCITS 164-1990 (R2006))
  
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- **INCITS 165-1992 [S2017], Information Systems - Programming Language - DIBOL** (stabilized maintenance of INCITS 165-1992 (R2002))
  
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- **INCITS 166-1989 [S2020], Fiber Distributed Data Interface (FDDI) Physical Layer, Medium Dependent (PMD)** (stabilized maintenance of INCITS 166-1989 (R2005))
  
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- **INCITS 17-1981 [S2017], Character Set for Optical Character Recognition (OCR-A)** (stabilized maintenance of INCITS 17-1981 (R2002))
  
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- **INCITS 171-1989 [S2020], One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements** (stabilized maintenance of INCITS 171-1989 (R2005))
  
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  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

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  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- **INCITS 178-1990 [S2020], Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services** (stabilized maintenance of INCITS 178-1990 (R2005))
  
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- **INCITS 178a-1991 [S2020], Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services - Addendum** (stabilized maintenance of INCITS 178a-1991 (R2005))
  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- **INCITS 179-1990 [S2017], 95-mm Diameter Rigid Digital Recording Disk** (stabilized maintenance of INCITS 179-1990 (R2002))
  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- **INCITS 18-1974 [S2020], Punched paper tape - Dimensions and location of feed holes and code holes** (stabilized maintenance of INCITS 18-1974 (R2005))
  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved
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- INCITS 180-1990 [S2021], Magnetic Tape and Cartridge for Information Interchange, 18-Track, Parallel, 12.65mm (1/2 in.) 1491 cpmm (37 871 cpi) Group-Coded, Requirements for Recording  (stabilized maintenance of INCITS 180-1990 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

- INCITS 181-1990 [S2021], Recorded Magnetic Tape Cartridge for Information Interchange 0.500 in, 22 and 48 Tracks Serial Serpentine, 6 667 and 10 000 bpi  (stabilized maintenance of INCITS 181-1990 (R2006))
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  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

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- INCITS 184:1993 [S2013], Fiber Distributed Data Interface (FDDI) Single Mode Physical Layer Medium Dependent (SMF-PMD)  (stabilized maintenance of INCITS 184-1993 (S2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS 186-1992 [S2017], Information Systems - Fiber-Distributed Data Interface (FDDI) - Hybrid Ring Control (HRC)  (stabilized maintenance of INCITS 186-1992 (R2002))
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- INCITS 189-1991 [S2017], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Terminals Operating in the Packet Mode and Accessing a Packet-Switched Public Data Network Through Switched Access  (stabilized maintenance of INCITS 189-1991 (R2002))
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- 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 ftppm) and 48-Track, 10,000 ftpi (394 ftppm)  (stabilized maintenance of INCITS 197-1991 (R2002))
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  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- INCITS 20-1967 [S2020], Take-up Reels for One Inch Perforated Tape for Information Interchange  (stabilized maintenance of INCITS 20-1967 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 203-1992 [S2017], Information Systems - Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.81 mm (0.150 in) Digital Data Storage (DDS) Recorded Format)  (stabilized maintenance of INCITS 203-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved
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- INCITS 303-1998 [S2013], Fibre Channel Physical and Signaling Interface-3 (FC-PH-3) (stabilized maintenance of INCITS 303-1998 (R2008))
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- INCITS 305-1998 [R2018], Information technology - SCSI Enclosure Services (SES) (reaffirmation of INCITS 305-1998 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 305:1998 [R2013], Information technology - SCSI Enclosure Services (SES) (reaffirmation of INCITS 305-1998 (R2008))
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  Public Review Date: Apr 6, 2012 | Final Action Date: Jul 24, 2012 | Approved

  Public Review Date: Apr 6, 2012 | Final Action Date: Jul 24, 2012 | Approved

- INCITS 31-2009 [R2019], Information Technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 31-2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 1, 2019 | Approved

- INCITS 310-1998 [S2018], Information technology - Representation of Time for Information Interchange (stabilized maintenance of INCITS 310:1998 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 311:1998 [S2013], Magnetic Tape Format for Information Interchange, 128-Track, Parallel Serpentine, 12.65 mm (1/2 in), 3400 bппм (86 360 bpi) Run Length Limited Recording (stabilized maintenance of INCITS 311-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS 312:1998 [S2013], Magnetic Tape Cartridge 0.50 in (12.65 mm), Serial Serpentine, 112-Track, 81 600 bpi (3213 bппм), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008))
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- INCITS 334-2000 [S2015], Information Technology - Magnetic Tape Cartridge for Information Interchange - 0.50 in (12.65 mm), Serial Serpentine 128-Track, 62 500 BPI (2 460 BPMM) DLT 3-XT Format  (stabilized maintenance of INCITS 334:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 335-2000 [R2020], Information technology - Small Computer System Interface (SCSI-3) Stream Commands (SSC)  (reaffirmation of INCITS 335-2000 [R2015])
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  Public Review Date: Sep 13, 2013 | Final Action Date: Dec 18, 2013 | Approved

- INCITS 34-1972 [S2020], Interchange Rolls of Perforated Tape for Information Interchange  (stabilized maintenance of INCITS 34-1972 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 341:2000 [S2015], Information technology - 25.4 mm (1 in) Type DCRsi Recorded Instrumentation - Digital Cartridge Tape Format  (stabilized maintenance of INCITS 341:2000 [R2010])
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- INCITS 344-2001 [S2021], Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format  (stabilized maintenance of INCITS 344-2001 (R2006))
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- INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5. in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format  (stabilized maintenance of INCITS 345-2001 (R2006))
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  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

- INCITS 357-2002 [S2012], Information technology - Fibre Channel Virtual Interface Architecture Mapping Protocol (FC-VI)  (stabilized maintenance of INCITS 357-2002 (R2007))
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

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- INCITS 359-2012 [R2017], Information technology - Role Based Access Control (reaffirmation of INCITS 359-2012)
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 6, 2017 | Approved

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- INCITS 361-2002 [R2012], Information technology - AT Attachment with Packet Interface-6 (ATA/ATAPI-6)
  (reaffirmation of INCITS 361-2002 (R2007))
  Public Review Date: Apr 13, 2012 | Final Action Date: Jul 20, 2012 | Approved

  Public Review Date: Nov 8, 2013 | Final Action Date: Jan 23, 2014 | Approved

- INCITS 364:2003/AM1:2007 [S2017], Information technology - Fibre Channel - 10 Gigabit (10GFC/AM1) - Amendment 1
  (stabilized maintenance of INCITS 364:2003/AM1:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

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- INCITS 37:1999 [S2014], Information Technology - Programming Language APT: Processor Input Language and System-Neutral CLFILE
  (stabilized maintenance of INCITS 37:1999 [R2009])
  Public Review Date: May 9, 2014 | Final Action Date: Oct 20, 2014 | Approved

  (stabilized maintenance of INCITS 371.1-2003 (R2008))
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  (stabilized maintenance of INCITS 371.3-2003 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS 373-2003 [S2013], Information technology - Fibre Channel Framing and Signaling Interface (FC-FS) (stabilized maintenance of INCITS 373:2003 [R2008])
  Public Review Date: Oct 25, 2013 | Final Action Date: Dec 30, 2013 | Approved
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- INCITS 399-2004 [S2014], Information technology - Fibre Channel Switch Application Programming Interface (FC-SWAPI) (stabilized maintenance of INCITS 399:2004 [R2009])
  Public Review Date: Jun 13, 2014 | Final Action Date: Dec 5, 2014 | Approved

- INCITS 4-1986 [R2017], Information Systems - Coded Character Sets - 7-Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4:1986 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved

- INCITS 40-1993 [S2018], Unrecorded Magnetic Tape for Information Interchange (9-Track, 800 CPI, NRZI; 1600 CPI, PE; and 6250 CPI, GCR) (stabilized maintenance of INCITS 40-1993 (R2003))
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- INCITS 403-2005 [R2020], Information technology — Automation/Drive Interface - Commands (ADC) (reaffirmation of INCITS 403-2005 [R2015])
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- INCITS 404-2006 [S2016], Information technology - Fibre Channel Physical Interfaces - 2 (FC-PI-2) (stabilized maintenance of INCITS 404:2006 [R2011])
  Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

- INCITS 405-2005 [S2015], Information technology - SCSI Block Commands - 2 (SBC-2) (stabilized maintenance of INCITS 405:2005 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

- INCITS 409.4-2006 [R2021], Information technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4-2006 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 409.5-2011 [R2021], Information Technology - Biometric Performance Testing and Reporting - Part 5: Framework for Testing and Evaluation of Biometric System(s) for Access Control (reaffirmation of INCITS 409.5-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 19, 2020 | Approved

- INCITS 411-2007 [S2017], Information technology - iSCSI Management API, Version 1.1.6 (stabilized maintenance of INCITS 411:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

  Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

- INCITS 413-2007 [S2017], Information technology - RapidIO(TM) Interconnect Specification (version 1.3) (stabilized maintenance of INCITS 413:2007 [R2012])
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- INCITS 431-2007 [R2017], Information technology - SCSI/ATA Translation (SAT) (reaffirmation of INCITS 431:2007 [R2012])
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- INCITS 437-2008 (S2018), Information technology - Fibre Channel - SATA Tunneling Protocol (FC-SATA) (stabilized maintenance of INCITS 437:2008 [R2013])
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  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 7, 2018 | Approved

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- INCITS 442:2010 [R2020], Information Technology – Biometric Identity Assurance Services (BIAS) (reaffirmation of INCITS 442:2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 19, 2020 | Approved

- INCITS 443-2008 [S2018], Information technology - Fibre Channel Storage Network PING (SNPing) (stabilized maintenance of INCITS 443:2008 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 7, 2018 | Approved

- INCITS 446-2008 [R2018], 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 [R2013])
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- INCITS 474-2011 [R2021], Information Technology – Biometric Application Programming Interface – Java (BioAPI Java) (reaffirmation of INCITS 474-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 475-2011 [S2021], Information Technology - Fibre Channel - Inter-Fabric Routing (FC-IFR) (stabilized maintenance of INCITS 475-2011 [R2016])
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- INCITS 477-2011 [S2021], Information Technology - Fibre Channel - Link Services - 2 (FC-LS-2) (stabilized maintenance of INCITS 477-2011 [R2016])
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- INCITS 479-2011 [S2021], Information Technology - Fibre Channel - Physical Interface-5 (FC-PI-5) (stabilized maintenance of INCITS 479-2011 [R2016])
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- INCITS 48-1986 [S2017], Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bphm (800 bpi), PE (includes ANSI X3.48/TC-1-1995) (stabilized maintenance of INCITS 48-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

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- INCITS 480-2011 [S2021], Information technology - BIOS Enhanced Disk Drive Services - 4 (EDD-4) (stabilized maintenance of INCITS 480-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- INCITS 480-2011/AM1-2015, Information technology - BIOS Enhanced Disk Drive Specification - 4 (EDD-4) - Amendment 1 (supplement to ANSI INCITS 480-2011)
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- INCITS 481-2011 [R2021], Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (reaffirmation of INCITS 481-2011 [R2016])
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- INCITS 481-2011/AM1-2018, Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) - Amendment 1 (addenda to INCITS 481-2011 [R2016])
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The data in this document is reported as of Tuesday, February 22, 2022

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<td>Approved</td>
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- INCITS 537-2016/AM 1-2019, Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (addenda to INCITS 537-2016)
  PINS Date: Mar 23, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Mar 21, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 26, 2018 | Approved

- INCITS 539-2016 [R2021], Information Technology - Management Of Security Credentials (reaffirmation of INCITS 539-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 538-2016/AM 1-2019, Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (addenda to INCITS 537-2016)
  PINS Date: Mar 23, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Sep 23, 2019 | Approved

- INCITS 540-2018, Information technology - Fibre Channel - Non-Volatile Memory Express (NVMe) (new standard)
  PINS Date: Jun 6, 2014 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 5, 2018 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Apr 30, 2019 | Approved

- INCITS 543-2019, Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (new standard)
  PINS Date: Nov 28, 2014 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 15, 2019 | Approved

- INCITS 544-2018, Information technology - Fibre Channel - Single Byte Command Code Sets - 6 (FC-SB-6) (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Dec 2, 2016 | Final Action Date: Jun 12, 2018 | Approved

- INCITS 545-2019, Information technology - Fibre Channel - Framing and Signaling - 5 (FC-FS-5) (new standard)
  PINS Date: Apr 3, 2015 | Public Review Date: Aug 3, 2018 | Final Action Date: Apr 30, 2019 | Approved

- INCITS 546-2021, Information technology - SCSI Architecture Model - 6 (SAM-6) (new standard)
  PINS Date: Jun 5, 2015 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 15, 2021 | Approved

- INCITS 547-2020, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)
  PINS Date: Oct 30, 2015 | Public Review Date: May 24, 1999 | Final Action Date: Feb 24, 2020 | Approved

- INCITS 548-2020, Information technology - Fibre Channel - Generic Services - 8 (FC-GS-8) (new standard)
  PINS Date: Oct 30, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 2, 2020 | Approved

- INCITS 55-1992 [S2017], Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.250 Inch (6.30 mm), 1600 bpi (63 bpmm), Phase Encoded (stabilized maintenance of INCITS 55-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: Jul 12, 2019 | Final Action Date: Nov 7, 2019 | Approved

- INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4) (new standard)
  PINS Date: Jun 10, 2016 | Public Review Date: Oct 4, 1999 | Final Action Date: Sep 28, 2020 | Approved

- INCITS 555-2020, Information technology - SCSI Enclosure Services - 4 (SES-4) (new standard)
  PINS Date: Mar 3, 2017 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 28, 2020 | Approved

- INCITS 556-2020, Fibre Channel – Non-Volatile Memory Express - 2 (FC-NVMe - 2) (new standard)
  PINS Date: Feb 24, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: May 28, 2020 | Approved
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- INCITS 558-2021, Information technology- ATA Command Set - 5 (ACS-5) (new standard)
  PINS Date: Nov 10, 2017 | Public Review Date: Apr 2, 2021 | Final Action Date: Oct 12, 2021 | Approved

- INCITS 559-2020, Information technology - Fibre Channel - Physical Interfaces - 7P (FC-PI-7P) (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 28, 2020 | Approved

- 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 Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 556:2020, Information technology - Next Generation Access Control (new standard)
  PINS Date: Nov 30, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Apr 10, 2020 | Approved

- INCITS 572-2021, Information technology - UAS-3 USB Attached SCSI – 3 (UAS-3) (new standard)
  PINS Date: Dec 27, 2019 | Public Review Date: Jan 1, 2021 | Final Action Date: Jul 6, 2021 | Approved

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

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

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | 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 Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

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- INCITS 76-1981 [S2017], Unformatted Single Disk Cartridge (Top Loading, 200 TPI, 4400 BPI) - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 76-1981 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 82-1980 [S2021], One-Sided Single-Density Unformatted 5.25 Inch Flexible Disk Cartridge (stabilized maintenance of INCITS 82-1980 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 19, 2020 | Approved

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INCITS/ISO 19137:2007 [R2017], Geographic information - Core profile of the spatial schema  (reaffirm a national adoption INCITS/ISO 19137:2007 [R2012])
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INCITS/ISO 19148:2012 [R2017], Geographic information Linear referencing  (reaffirm a national adoption INCITS/ISO 19148:2012 [2012])
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- INCITS/ISO 3561:1976 [S2020], Information processing -- Interchangeable magnetic six-disk pack -- Track format  
  (stabilized maintenance of INCITS/ISO 3561:1976 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 3562:1976 [S2020], Information processing - Interchangeable magnetic single-disk cartridge (top loaded) -  
  Physical and magnetic characteristics  (stabilized maintenance of INCITS/ISO 3562:1976 [R2015])  
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- INCITS/ISO 3563:1976 [S2020], Information processing -- Interchangeable magnetic single-disk cartridge (top loaded)  
  -- Track format  (stabilized maintenance of INCITS/ISO 3563:1976 [R2015])  
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- INCITS/ISO 3564:1976 [S2020], Information processing -- Interchangeable magnetic eleven-disk pack -- Physical and  
  magnetic characteristics  (stabilized maintenance of INCITS/ISO 3564:1976 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 3692:1996 [S2020], Information processing -- Reels and cores for 25.4 mm (1 in) perforated paper tape for  
  information interchange -- Dimensions  (stabilized maintenance of INCITS/ISO 3692:1996 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 4337:1977 [S2020], Information processing -- Interchangeable magnetic twelve-disk pack (100 Mbytes)  
  (stabilized maintenance of INCITS/ISO 4337:1977 [R2015])  
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  Interchange  (stabilized maintenance of INCITS/ISO 4341-1978 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS/ISO 5653:1980 [S2020], Information processing -- Interchangeable magnetic twelve-disk pack (200 Mbytes)  
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  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- 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 fprad, 1.9 tpm (48 tpi), on one side - Part 1: Dimensional, physical and  
  magnetic characteristics  (stabilized maintenance of INCITS/ISO 5654-1:1984 [R2015])  
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- INCITS/ISO 6586:1980 [R2018], Data processing -- Implementation of the ISO 7-bit and 8-bit coded character sets on  
  punched cards  (reaffirm a national adoption INCITS/ISO 6586:1980 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | 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 fprad, 1.9 tpm (48 tpi), on one side - Part 1: Dimensional, physical &  
  magnetic characteristics  (stabilized maintenance of INCITS/ISO 6596-1:1985 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 6709:2008 [R2018], Standard representation of geographic point location by coordinates  (reaffirm a  
  national adoption INCITS/ISO 6709:2008 [R2013])  
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  (reaffirm a national adoption INCITS/ISO 6709:2008/COR 1:2009 [R2015])  
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- 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 fprad, 1,9 tpmm (48 tpi), both sides - Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015])

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- 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 fprad, on 80 tracks on each side - Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 8630-1:1987 [R2015])

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- INCITS/ISO 9542:1988 (R2017), Information processing systems -- Telecommunications and information exchange between systems -- End system to Intermediate system routing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) (reaffirm a national adoption INCITS/ISO 9542:1988 (R2012))

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- INCITS/ISO 962:1974 [R2018], Information Processing - Implementation of the 7-Bit Coded Character Set and its 7-Bit and 8-Bit Extensions on 9-Track 12.7 mm (0.5 in) Magnetic Tape (reaffirm a national adoption INCITS/ISO 962:1974 [R2013])
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- INCITS/ISO/IEC 11557:1992 [S2018], Information Technology - 3.81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS-DC Format Using 60 m and 90 m Length Tapes (stabilized maintenance of INCITS/ISO/IEC 11557-1992 [R2004])
  - Public Review Date: Oct 17, 2008 | Final Action Date: Dec 19, 2008 | Approved

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- INCITS/ISO/IEC 12246:1993 [S2013], 8 mm wide magnetic tape cartridge dual azimuth format for information interchange - Helical Scan Recording (stabilized maintenance of INCITS/ISO/IEC 12246-1993 (S2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12248:1993 [S2013], 3,81 mm wide magnetic tape cartridge for information interchange - Helical scan recording - DATA/DAT-DC format using 60m and 90 m length tapes (stabilized maintenance of INCITS/ISO/IEC 12248-1993 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12862:2011 [R2019], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 13403:1995 [S2019], Information Technology - Information Interchange on 300 mm Optical Disk Cartridges of the Write Once, Read Multiple (WORM) Type Using the CCS Method (stabilized maintenance of INCITS/ISO/IEC 13403:1995 (R2004))
Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved

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- INCITS/ISO/IEC 14760:1997 [S2020], Information technology -- Data interchange on 90 mm overwritable and read only optical disk cartridges using phase change -- Capacity: 1.3 Gbytes per cartridge (stabilized maintenance of INCITS/ISO/IEC 14760:1997 [R2015])
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- INCITS/ISO/IEC 15286:1999 [S2021], Information technology - 130 mm Rewritable and Read-only Optical Disk Cartridge, Capacity: 5,2 Gigabytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 15286-1999 (R2006))
Public Review Date: Sep 2, 2011 | Final Action Date: Dec 14, 2011 | Approved

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- INCITS/ISO/IEC 15404:2000 [R2018], Information technology -- Office machines -- Minimum information to be included in specification sheets -- Facsimile equipment (reaffirm a national adoption INCITS/ISO/IEC 15404:2000 [R201x])
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  JPEG 2000 (reaffirm a national adoption INCITS/ISO/IEC 15444-3:2007 [R2013])
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- INCITS/ISO/IEC 15444-4:2004 [R2018], Information technology - JPEG 2000 image coding system - Part 4:
  Conformance testing (reaffirm a national adoption INCITS/ISO/IEC 15444-4:2004 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  software (reaffirm a national adoption INCITS/ISO/IEC 15444:5:2003 [2009])
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- INCITS/ISO/IEC 15444-6:2013 [R2019], Information technology - JPEG 2000 image coding system - Part 6:
  Compound image file format (reaffirm a national adoption INCITS/ISO/IEC 15444-6:2013 [2014])
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  Secure JPEG 2000 - Amendment 1: File format security (reaffirm a national adoption INCITS/ISO/IEC 15444
  -8:2007/AM 1:2008 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

  APIs and protocols (reaffirm a national adoption INCITS/ISO/IEC 15444-9:2005 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

  Interactivity tools, APIs and protocols - Amendment 2: JPIP extensions (reaffirm a national adoption INCITS/ISO/IEC
  Public Review Date: Jun 27, 2014 | Final Action Date: Dec 17, 2014 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

  (reaffirm a national adoption INCITS/ISO/IEC 15457-1:2008 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

  (reaffirm a national adoption INCITS/ISO/IEC 15457-2:2007 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  a national adoption INCITS/ISO/IEC 15457-3:2008 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved
**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | **Approved**

- **INCITS/ISO/IEC 15486:1998 [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 15486:1998 (R2005))
  - Public Review Date: Oct 16, 2009 | Final Action Date: Jan 4, 2010 | **Approved**

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  - Public Review Date: Jun 1, 2012 | Final Action Date: Aug 1, 2012 | **Approved**

- **INCITS/ISO/IEC 15895:1999 [S2020]**, Information technology -- Data interchange on 12,7 mm 128-track magnetic tape cartridges -- DLT 3-XT format (stabilized maintenance of INCITS/ISO/IEC 15895:1999 [R2015])
  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | **Approved**
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- INCITS/ISO/IEC 15896:1999 [S2020], Information technology -- Data interchange on 12,7 mm 208-track magnetic tape cartridges -- DLT 5 format (stabilized maintenance of INCITS/ISO/IEC 15896:1999 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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INCITS/ISO/IEC 17341:2009 [R2019], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +RW Format - Capacity: 4,7 Gbytes and 1,46 Gbytes per Side (Recording speed up to 4X) (reaffirm a national adoption INCITS/ISO/IEC 17341:2009 [R2014])
Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 17344:2009 [R2019], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +R Format - Capacity: 4,7 and 1,46 Gbytes per Side (Recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 17344:2009 [R2014])
Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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

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

INCITS/ISO/IEC 17594:2004 [S2020], Information technology — Cases for 120 mm and 80 mm DVD-RAM disks (stabilized maintenance of INCITS/ISO/IEC 17594:2004 [R2015])
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- **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 Date: Sep 9, 2011 | Final Action Date: Dec 14, 2011 | **Approved**

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- INCITS/ISO/IEC 21117:2012 [R2018], Information technology -- Office equipment -- Copying machines and multifunction devices -- Information to be included in specification sheets and related test methods (reaffirm a national adoption INCITS/ISO/IEC 21117:2012 [2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS/ISO/IEC 21118:2012 [R2018], Information technology -- Office equipment -- Information to be included in specification sheets -- Data projectors (reaffirm a national adoption INCITS/ISO/IEC 21118:2012 [2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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  PINS Date: Sep 17, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 30, 2021 | Approved

- INCITS/ISO/IEC 22050-2002 [S2013], Information technology - Data interchange on 12,7 mm, 384-track magnetic tape cartridges - Ultrium-1 format (stabilized maintenance of INCITS/ISO/IEC 22050-2002 (R2008))
  PINS Date: May 14, 2021 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 7, 2013 | Approved

- INCITS/ISO/IEC 22051:2002 [S2016], Information technology - Data interchange on 12,7 mm, 448-track magnetic tape cartridges - SDLT1 format (stabilized maintenance of INCITS/ISO/IEC 22051:2002 [R2008])
  PINS Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

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INCITS/ISO/IEC 23000-17:2018 [2021], Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format (identical national adoption of ISO/IEC 23000-17:2018)
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- 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 Date: Jun 26, 2020 | Final Action Date: Oct 9, 2020 | Approved

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- INCITS/ISO/IEC 25434:2008 [R2014], Information technology - Data interchange on 120 mm and 80 mm optical disk using +R DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 25434:2008 [2009])
  Public Review Date: Jun 13, 2014 | Final Action Date: Nov 5, 2014 | Approved

- INCITS/ISO/IEC 25434:2008 [R2019], Information technology -- Data interchange on 120 mm and 80 mm optical disk using +R DL format -- Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 24756:2009 [R2014])
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- INCITS/ISO/IEC 25435:2006 [S2020], Data Interchange on 60 mm Read-Only ODC - Capacity: 1,8 Gbytes (UMDTM) (stabilized maintenance of INCITS/ISO/IEC 25435:2006 [R2015])
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- INCITS/ISO/IEC 26925:2009 [R2019], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW HS format - Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed 8X) (reaffirm a national adoption INCITS/ISO/IEC 26925:2009 [R2014])
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The data in this document is reported as of Tuesday, February 22, 2022

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

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 6596-2-1985 [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges using Two-Frequency Recording at 7 958 fipard, 1,9 tpmm (48 tpi), on One Side - Part 2: Track Format (stabilized maintenance of INCITS/ISO/IEC 6596-2-1985 (R2007))
Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved
## ITI (INCITS) (InterNational Committee for Information Technology Standards)

  - Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved

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

- **INCITS/ISO/IEC 7487-1:1993 [S2020]**, Information technology -- 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 -- ISO type 202 -- Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO/IEC 7487-1:1993 [R2015])
  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO/IEC 7487-3-1986 [S2012]**, Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 ftpard, 1,9 tpmm (48 tpi), on both sides - Part 3: Track Format B (stabilized maintenance of INCITS/ISO/IEC 7487-3-1986 (R2007))
  - Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

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

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  (reaffirm a national adoption INCITS/ISO/IEC 7816-2:2007 [R2013])
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  (reaffirm a national adoption INCITS/ISO/IEC 7816-3:2006 [R2012])
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- **INCITS/ISO/IEC 7816-5:2004 [R2019]**, Identification cards - Integrated circuit(s) cards with contacts - Part 5: Registration system for application in IC Cards  
  (reaffirm a national adoption INCITS/ISO/IEC 7816-5:2004 [R2014])
  - Public Review Date: Aug 2, 2019 | Final Action Date: Nov 22, 2019 | Approved

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  (reaffirm a national adoption INCITS/ISO/IEC 7816-7:1999 [R2014])
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- **INCITS/ISO/IEC 8630-2-1987 [S2012]**, Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 fprad, on 80 Tracks on Each Side - Part 2: Track format A for 77 Tracks  
  (stabilized maintenance of INCITS/ISO/IEC 8630-2-1987 (R2007))
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<td>Mar 23, 2018</td>
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<td>Feb 15, 2019</td>
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- ANSI MH24.2-2019, Power-Operated Vertical Carousels and Vertical Lift Modules  (revision of ANSI MH24.2-2016)
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- ANSI MH29.1-2020, Safety Requirements for Industrial Scissors Lifts  (revision of ANSI MH29.1-2012)
  PINS Date: Dec 22, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: May 19, 2020 | Approved

- ANSI MH29.2-2020, Safety Requirements for Industrial Tilters  (new standard)
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- ANSI MH31.2-2021, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts  (new standard)
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- ANSI/MH32.1-2018, Stairs, Ladders, and Open-Edge Guards for Use with Material Handling Structures  (new standard)
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**MHI (ASC MHC) (Material Handling Industry)**

- ANSI MH1-2021, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision of ANSI MH1-2019)
  PINS Date: Sep 25, 2020 | Public Review Date: Feb 5, 2021 | Final Action Date: May 7, 2021 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

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

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

- ANSI MH10.8.2-2016, Data Identifier and Application Identifier Standard (revision of ANSI MH10.8.2-2010)
  Public Review Date: Jan 22, 2016 | Final Action Date: Jun 10, 2016 | Approved

- ANSI MH10.8.2-2021, Data Identifiers (revision of ANSI MH10.8.2-2016)
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- ANSI MH10.8.3-2002 (R2012), Standard for Material Handling - Syntax for High Capacity ADC Media (new standard)
  Public Review Date: Feb 3, 2012 | Final Action Date: Nov 21, 2012 | Approved

  PINS Date: Apr 18, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Feb 14, 2017 | Approved

**MSS (Manufacturers Standardization Society)**

  PINS Date: Nov 20, 2015 | Public Review Date: Feb 5, 2016 | Final Action Date: Nov 16, 2018 | Approved

- ANSI/MSS SP-122-2017, Plastic Industrial Ball Valves (new standard)
  PINS Date: Jul 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 20, 2017 | Approved
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<td>Nov 13, 2020</td>
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<td>ANSI/NAAMM HMMA 801-2012</td>
<td>Glossary of Terms for Hollow Metal Doors and Frames</td>
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<td>May 5, 2017</td>
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### NAAMM (National Association of Architectural Metal Manufacturers)

  - PINS Date: Nov 19, 2010 | Public Review Date: Feb 17, 2017 | Final Action Date: Nov 1, 2017 | Approved

- **ANSI/NAAMM HMMA 841-2013 (R2019), Tolerances and Clearances for Commercial Hollow Metal Doors and Frames** (reaffirmation of ANSI/NAAMM HMMA 841-2013)
  - PINS Date: Mar 23, 2018 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - PINS Date: Mar 23, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Nov 1, 2018 | Approved

  - PINS Date: Jan 31, 2014 | Public Review Date: May 9, 2014 | Final Action Date: Sep 15, 2014 | Approved

  - PINS Date: Nov 19, 2010 | Public Review Date: Jun 7, 2013 | Final Action Date: Aug 5, 2013 | Approved

  - PINS Date: Nov 19, 2010 | Public Review Date: May 9, 2014 | Final Action Date: Sep 15, 2014 | Approved

  - PINS Date: Nov 19, 2010 | Public Review Date: Nov 16, 2012 | Final Action Date: Feb 27, 2013 | Approved

  - PINS Date: May 5, 2017 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 29, 2018 | Approved

  - PINS Date: Oct 10, 2014 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 1, 2016 | Approved

  - PINS Date: May 9, 2014 | Public Review Date: Apr 29, 2016 | Final Action Date: Sep 7, 2017 | Approved

  - PINS Date: May 9, 2014 | Public Review Date: Mar 15, 2019 | Final Action Date: Jun 3, 2019 | Approved

- **ANSI/NAAMM MBG 533-2021, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating** (new standard)
  - PINS Date: May 9, 2014 | Public Review Date: Mar 5, 2021 | Final Action Date: Aug 23, 2021 | Approved

- **ANSI/NAAMM MBG 534-2014, Metal Bar Grating Engineering Design Manual** (new standard)
  - PINS Date: Nov 19, 2010 | Public Review Date: Feb 1, 2013 | Final Action Date: Sep 30, 2014 | Approved

### NALFA (North American Laminate Flooring Association)

  - PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved

- **ANSI/NALFA LF-02-2019, Sustainability Assessment of Laminate Flooring** (revision of ANSI/NALFA LF-02-2010)
  - PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved
NALFA (North American Laminate Flooring Association)

- ANSI/NALFA LF-03-2019, Flooring Underlayment Specifications and Test Methods (new standard)
  PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved

NAPSA (North American Power Sweeping Association)

  PINS Date: Aug 24, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

NASBLA (National Association of State Boating Law Administrators)

- ANSI/NASBLA 100-2022, Basic Boating Knowledge - Core (new standard)
  PINS Date: Jul 12, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Feb 10, 2022 | Approved

  PINS Date: Jul 12, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Feb 10, 2022 | Approved

  PINS Date: Jul 12, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Feb 10, 2022 | Approved

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

  PINS Date: Jul 12, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Feb 10, 2022 | Approved

NASPO (North American Security Products Organization)

  PINS Date: Mar 4, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity (new standard)
  PINS Date: Mar 24, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Mar 8, 2018 | Approved

  PINS Date: Jun 6, 2014 | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 2, 2015 | Approved

- ANSI/NASPO SD 01-2014, Minimum security requirements for security documents (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 24, 2014 | Approved

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

  Public Review Date: Aug 28, 2020 | Final Action Date: Jan 4, 2021 | Approved
NCMA (National Contract Management Association)
21740 Beaumeade Circle, Suite 125, Ashburn, VA 20147 | w: www.ncmahq.org

  PINS Date: Oct 26, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Apr 22, 2019 | Approved

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

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

  Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

  Public Review Date: Mar 10, 2017 | Final Action Date: Oct 26, 2017 | Approved

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

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  Public Review Date: Mar 9, 2018 | Final Action Date: Aug 13, 2018 | Approved

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  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 31, 2015 | Approved

- ANSI/NCPDP BUS v4.0-2020, NCPDP Billing Unit Standard v4.0 (revision and redesignation of ANSI/NCPDP BUS v3.1)
  PINS Date: Jul 24, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

- ANSI/NCPDP FB v4.1-2013, NCPDP Formulary and Benefit Standard v4.1-201x (revision and redesignation of ANSI/NCPDP FB v4.0-2013)
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved

- ANSI/NCPDP FB v4.2-2014, NCPDP Formulary and Benefit Standard v4.2-201x (revision and redesignation of ANSI/NCPDP FB v4.1-2013)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP FB v4.3-2015, NCPDP Formulary and Benefit Standard v4.3 (revision and redesignation of ANSI/NCPDP FB v4.2-2014)
  Public Review Date: Sep 5, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/NCPDP FB v4.4-2015, NCPDP Formulary and Benefit Standard v44 (revision and redesignation of ANSI/NCPDP FB v4.3-2015)
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  Public Review Date: Mar 4, 2016 | Final Action Date: Nov 8, 2016 | Approved

  Public Review Date: Mar 10, 2017 | Final Action Date: Jul 28, 2017 | Approved

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

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | Approved

  Public Review Date: Mar 10, 2017 | Final Action Date: Jul 28, 2017 | Approved
## NCPDP (National Council for Prescription Drug Programs)

  - Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

- **ANSI/NCPDP Medical Rebate Standard v02.01-2013, NCPDP Medical Rebate Data Submission Standard v02.01** (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v01.00-2011)
  - Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- **ANSI/NCPDP Medical Rebate Standard v02.02-2014, NCPDP Medical Rebate Data Submission Implementation Guide v02.02-201x** (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v02.01-2013)
  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

- **ANSI/NCPDP MR v06.01-2013, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v06.01-201x** (revision and redesignation of ANSI/NCPDP MR v06.00-2013)
  - Public Review Date: Dec 14, 2012 | Final Action Date: Oct 17, 2013 | Approved

- **ANSI/NCPDP MR v07.00-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.00-201x** (revision and redesignation of ANSI/NCPDP MR v06.01-2013)
  - Public Review Date: Jun 14, 2013 | Final Action Date: Feb 28, 2014 | Approved

- **ANSI/NCPDP MR v07.01-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard** (revision and redesignation of ANSI/NCPDP MR v07.00-2014)
  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- **ANSI/NCPDP MR v07.02-2018, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.02-201x** (revision and redesignation of ANSI/NCPDP MR v07.01-2014)
  - Public Review Date: Sep 8, 2017 | Final Action Date: Jan 24, 2018 | Approved

- **ANSI/NCPDP MR v07.03-2019, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.03** (revision and redesignation of ANSI/NCPDP MR v07.02-2018)
  - Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

  - Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  - Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved

  - Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

  - Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

  - Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

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NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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  Public Review Date: Oct 5, 2012 | Final Action Date: Feb 27, 2013 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP Post Adj v4.3-2014, NCPDP Post Adjudication Standard v43-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.2-2013)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- ANSI/NCPDP Post Adj v4.4-2014, NCPDP Post Adjudication Standard v44-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.3-2014)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP Post Adj v4.5-2016, NCPDP Post Adjudication Standard v45 (revision and redesignation of ANSI/NCPDP Post Adj v44-2014)
  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

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  Public Review Date: Mar 10, 2017 | Final Action Date: Oct 25, 2017 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Jul 24, 2018 | Approved

  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 29, 2019 | Approved
### ANSI/NCPDP Post Adj v50-2019, NCPDP Post Adjudication Standard v50
- **Public Review Date:** Mar 15, 2019 | **Final Action Date:** Jul 19, 2019 | **Approved**

### ANSI/NCPDP Post Adj v51-2019, NCPDP Post Adjudication Standard v51
- **Public Review Date:** Sep 13, 2019 | **Final Action Date:** Dec 6, 2019 | **Approved**

### ANSI/NCPDP Post Adj v52-2021, NCPDP Post Adjudication Standard v52
- **Public Review Date:** Mar 12, 2021 | **Final Action Date:** Jul 6, 2021 | **Approved**

### ANSI/NCPDP Post Adj v53-2021, NCPDP Post Adjudication Standard v53
- **Public Review Date:** Sep 10, 2021 | **Final Action Date:** Dec 2, 2021 | **Approved**

### ANSI/NCPDP Prescription File Transfer Standard v33-2014, NCPDP Prescription File Transfer Standard v33-201x
- **Public Review Date:** Dec 6, 2013 | **Final Action Date:** Aug 5, 2014 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v3.1-2013, NCPDP Prescription Transfer Standard v3.1-2013
- **Public Review Date:** Jun 14, 2013 | **Final Action Date:** Oct 3, 2013 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v3.2-2013, NCPDP Prescription File Transfer Standard v3.2-201x
- **Public Review Date:** Mar 4, 2016 | **Final Action Date:** Aug 22, 2016 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v35-2017, NCPDP Prescription Transfer Standard v35
- **Public Review Date:** Feb 2, 2016 | **Final Action Date:** Mar 2, 2017 | **Approved**

- **Public Review Date:** Mar 10, 2017 | **Final Action Date:** Jul 28, 2017 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v37-2019, NCPDP Prescription Transfer Standard v37
- **Public Review Date:** Oct 5, 2018 | **Final Action Date:** Jan 29, 2019 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v38-2019, NCPDP Prescription Transfer Standard v38
- **Public Review Date:** Dec 6, 2019 | **Final Action Date:** Feb 6, 2020 | **Approved**

### ANSI/NCPDP Prescription Transfer Standard v39-2021, NCPDP Prescription Transfer Standard v39
- **Public Review Date:** Mar 12, 2021 | **Final Action Date:** Jul 6, 2021 | **Approved**

### ANSI/NCPDP Product Identifier v1.0-2014, NCPDP Product Identifier Standard v1.0
- **PINS Date:** Mar 15, 2013 | **Public Review Date:** May 30, 2014 | **Final Action Date:** Oct 6, 2014 | **Approved**
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 31, 2015 | Approved

  Public Review Date: Sep 11, 2015 | Final Action Date: Feb 29, 2016 | Approved

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  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

- ANSI/NCPDP Product Identifier v1.6-2021, NCPDP Product Identifier Standard v1.6 (revision and redesignation of ANSI/NCPDP Product Identifier v1.5-2019)
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  Public Review Date: Mar 9, 2018 | Final Action Date: Jul 24, 2018 | Approved

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  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

  Public Review Date: Jun 11, 2021 | Final Action Date: Sep 27, 2021 | Approved

  PINS Date: Apr 15, 2016 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

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- ANSI/NCPDP SC 2013012-2013, NCPDP SCRIPT Standard 2013012 (revision and redesignation of ANSI/NCPDP SC 2013011-2013)
  Public Review Date: Sep 14, 2012 | Final Action Date: Feb 27, 2013 | Approved
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- ANSI/NCPDP SC 2014101-2014, NCPDP SCRIPT Standard 2014101 (revision and redesignation of NCPDP SC WG110060201xxx)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP SC 2015071-2015, NCPDP SCRIPT Standard 2015071 (revision and redesignation of NCPDP SC WG110064201xxx)
  Public Review Date: Feb 27, 2015 | Final Action Date: Aug 4, 2015 | Approved

- ANSI/NCPDP SC Standard 20130401-2013, NCPDP SCRIPT Standard 20130401 (revision of BSR/NCPDP SC WG110052201xxx)
  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP SC Standard 2013101-2013, NCPDP SCRIPT Standard 2013101 (revision and redesignation of ANSI/NCPDP SC 20130401-2013)
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 4, 2013 | Approved

  Public Review Date: Dec 6, 2013 | Final Action Date: Aug 5, 2014 | Approved

- ANSI/NCPDP SC Standard 2014072-2014, NCPDP SCRIPT Standard 2014072 (revision and redesignation of )
  Public Review Date: Mar 7, 2014 | Final Action Date: Aug 25, 2014 | Approved

  Public Review Date: Sep 11, 2015 | Final Action Date: Apr 25, 2016 | Approved

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  Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | Approved

  Public Review Date: Sep 8, 2017 | Final Action Date: May 9, 2018 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Jul 27, 2018 | Approved

  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 29, 2019 | Approved

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  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved
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<td>PINS Date: Mar 17, 2017</td>
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# Approved American National Standards

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<td>Dec 6, 2013</td>
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NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 10, 2017 | Final Action Date: Oct 31, 2017 | Approved

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- ANSI/NCPDP TC vF8-2021, NCPDP Telecommunication Standard Version F8 (revision and redesignation of ANSI/NCPDP TC vF7-2021)
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  Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

  Public Review Date: Mar 10, 2017 | Final Action Date: Oct 31, 2017 | Approved

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<td>NEBB</td>
<td>ANSI/NEBB S120-2016, Rev. 1-2017, Technical Retro-Commissioning of Existing Buildings Standard (revision and redesignation of ANSI/NEBB S120-2016) PINS Date: Jun 2, 2017</td>
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<td>ANSI/NECA 100-2006 (R2013), Symbols for Electrical Construction Drawings (reaffirmation of ANSI/NECA 100-2006) PINS Date: Apr 13, 2012</td>
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<td>ANSI/NECA 130-2016, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010) PINS Date: May 15, 2015</td>
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<td>ANSI/NECA 169-2016, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010) PINS Date: May 15, 2015</td>
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<td>Standard for Installing Building Service Entrance Grounding</td>
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<td>ANSI/NECA 402-2020</td>
<td>Standard for Installing and Maintaining Motor Control Centers</td>
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NECA (National Electrical Contractors Association)

  PINS Date: Oct 10, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Jan 17, 2017 | Approved

- ANSI/NECA 417-2019, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids (new standard)
  PINS Date: Apr 28, 2017 | Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Aug 3, 2012 | Public Review Date: Dec 6, 2013 | Final Action Date: Mar 12, 2014 | Approved

- ANSI/NECA 430-2016, Standard for Installing and Maintaining Medium-Voltage Switchgear (revision of ANSI/NECA 430-2006)
  PINS Date: Aug 12, 2011 | Public Review Date: May 6, 2016 | Final Action Date: Aug 10, 2016 | Approved

- ANSI/NECA 505-2010, Standard for Installing and Maintaining High Mast, Roadway and Area Lighting (new standard)
  PINS Date: Feb 2, 2007 | Public Review Date: Mar 5, 2010 | Final Action Date: Jun 21, 2010 | Approved

- ANSI/NECA 700-2016, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)
  PINS Date: May 15, 2015 | Public Review Date: Apr 22, 2016 | Final Action Date: Oct 25, 2016 | Approved

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  PINS Date: May 11, 2007 | Public Review Date: Jul 23, 2010 | Final Action Date: Dec 16, 2010 | Approved

- ANSI/NECA/FOA 301-2016, Standard for Installing and Testing Fiber Optic Cables (revision of ANSI/NECA/FOA 301-2010)
  PINS Date: Jul 4, 2014 | Public Review Date: Jun 17, 2016 | Final Action Date: Oct 5, 2016 | Approved

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

- ANSI/NECA/NCSCB 600-2014 (R2020), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation and redesignation of ANSI/NECA 600-2014)
  PINS Date: Mar 15, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jan 9, 2020 | Approved

- ANSI/NECA/NEMA 105-2015, Standard for Installing Metal Cable Tray Systems (revision of ANSI/NECA/NEMA 105-2007)
  PINS Date: Feb 20, 2015 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 21, 2015 | Approved

NEMA (National Electrical Manufacturers Association)

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

- ANSI NEMA SM 31000-2-2021, Electrical Submeter Active Energy Accuracy (new standard)
  PINS Date: Oct 16, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 6, 2021 | Approved

- ANSI/NEMA 250-2020, Enclosures for Electrical Equipment (1,000 Volts Maximum) (revision of ANSI/NEMA 250-2008)
  PINS Date: May 17, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 8, 2020 | Approved
NEMA (National Electrical Manufacturers Association)

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PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-1-2013, Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry (identical national adoption of IEC 62321-3-1:2013)
PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-2-2020, Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC) (identical national adoption of IEC 62321-3-2:2020)
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- ANSI/NEMA 62321-5-2013, Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS (identical national adoption of IEC 62321-5:2013)
PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

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- ANSI/NEMA 62321-7-1-2015, Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method (identical national adoption of IEC 62321-7-1:2015)
PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-7-2-2017, Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method (identical national adoption of IEC 62321-7-2:2017)
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- ANSI/NEMA 62430-2010, ENVIRONMENTAL CONSCIOUS DESIGN FOR ELECTRICAL AND ELECTRONIC PRODUCTS (identical national adoption of IEC 62430)
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#### NEMA (National Electrical Manufacturers Association)

  - PINS Date: Aug 7, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Feb 22, 2016 | Approved

- **ANSI/NEMA SM 31000-1 2021, Electrical Submeter - General Requirements** (new standard)
  - PINS Date: Sep 9, 2016 | Public Review Date: Feb 26, 2016 | Final Action Date: May 18, 2016 | Approved

- **ANSI/NEMA SM 31000-7-2021, Electrical Submeter - Current Sensor Accuracy** (new standard)
  - PINS Date: Dec 18, 2020 | Public Review Date: Oct 15, 2021 | Final Action Date: Dec 2, 2021 | Approved

- **ANSI/NEMA WD6-2016, Wiring Devices - Dimensional Specifications** (revision of ANSI/NEMA WD 6-2012)
  - PINS Date: Jul 17, 2015 | Public Review Date: Nov 6, 2015 | Final Action Date: Feb 11, 2016 | Approved

  - PINS Date: May 17, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 23, 2020 | Approved

#### NEMA (ASC C119) (National Electrical Manufacturers Association)

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

- **ANSI C119.0-2015, Testing Methods and Equipment Common to the ANSI C119 Family of Standards - For Electric Connectors** (new standard)
  - PINS Date: Nov 23, 2012 | Public Review Date: May 29, 2015 | Final Action Date: Aug 14, 2015 | Approved

  - PINS Date: Nov 13, 2015 | Public Review Date: Jan 13, 2017 | Final Action Date: Mar 16, 2017 | Approved

- **ANSI C119.4-2016, 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 C119.4-2010)
  - PINS Date: Oct 16, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Jul 7, 2016 | Approved

- **ANSI C119.5-2018, Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires)** (revision of ANSI C119.5-2009)
  - PINS Date: Nov 13, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 21, 2018 | Approved

- **ANSI C119.6-2018, Electric Connectors Non-Sealed, Multiport Connector Systems Rated 600 Volts or Less for Aluminum and Copper Conductors** (revision of ANSI C119.6-2011)
  - PINS Date: Nov 10, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jun 29, 2018 | Approved

  - PINS Date: Mar 9, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 14, 2018 | Approved

#### NEMA (ASC C12) (National Electrical Manufacturers Association)

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

  - PINS Date: Oct 3, 2014 | Public Review Date: Oct 16, 2015 | Final Action Date: Feb 6, 2016 | Approved

  - Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved

- **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 (R2014))
  - Public Review Date: Jul 26, 2019 | Final Action Date: Sep 23, 2019 | Approved
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NEMA (ASC C136) (National Electrical Manufacturers Association)

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

  Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

- ANSI C136.10-2017, Standard for Roadway and Area Lighting Equipmentâ€”Locking-Type Photocontrol Devices and Mating Receptaclesâ€”Physical and Electrical Interchangeability and Testing (revision of ANSI C136.10-2010)
  PINS Date: Aug 7, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Oct 27, 2017 | Approved

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

  PINS Date: Apr 26, 2019 | Public Review Date: Jun 28, 2019 | Final Action Date: Aug 13, 2019 | Approved

- ANSI C136.13-2020, Metal Brackets for Wood Poles (revision of ANSI C136.13-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 20, 2020 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

- ANSI C136.16-2019, ANSI for Roadway and Area Lighting Equipment - Post Top–Mounted Luminaires (revision of ANSI C136.16-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Aug 8, 2019 | Approved

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  PINS Date: Aug 6, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Feb 7, 2022 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Sep 20, 2018 | Approved

- ANSI C136.20-2021, Standard For Roadway and Area Lighting Equipment Fiber-Reinforced Composite (FRC) Lighting Poles (reaffirmation of ANSI C136.20-2012,)
  PINS Date: Jul 7, 2017 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 19, 2021 | Approved

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- ANSI C136.24-2020, For Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))
  PINS Date: Jul 11, 2014 | Public Review Date: Jan 17, 2020 | Final Action Date: Feb 24, 2020 | Approved

- ANSI C136.25-2019, Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2013)
  PINS Date: Dec 28, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Dec 9, 2019 | Approved

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- ANSI C136.27-2021, for Roadway and Area Lighting Equipment Tunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 15, 2021 | Final Action Date: May 20, 2021 | Approved

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  Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

- ANSI C136.3-2020, Luminaire Attachments (revision of ANSI C136.3-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Jan 17, 2020 | Final Action Date: Mar 3, 2020 | Approved

- ANSI C136.30-2015, Standards for Roadway and Area Lighting Equipment - Pole Vibration (new standard)
  PINS Date: Nov 16, 2012 | Public Review Date: Nov 28, 2014 | Final Action Date: Jan 13, 2015 | Approved

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- ANSI C136.32-2020, Standard for Roadway and Area Lighting Equipment Enclosed Setback Luminaires and Directional Floodlights (revision of ANSI C136.32-2012)
  PINS Date: Dec 1, 2017 | Public Review Date: Jun 28, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI C136.34-2020, For Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

- ANSI C136.35-2020, Locking Type Power Taps (LTPT) (revision of ANSI C136.35-2009 (R2014))
  PINS Date: Apr 26, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 13, 2020 | Approved

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## NEMA (ASC C18) (National Electrical Manufacturers Association)

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  - PINS Date: Apr 8, 2016 | Public Review Date: Dec 21, 2018 | Final Action Date: Jun 25, 2019 | Approved

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- **ANSI C18.4M-2017, Standard for Portable Cells and Batteries - Environmental** (revision of ANSI C18.4-2015)
  - PINS Date: Apr 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 2, 2017 | Approved

- **ANSI C18.5M Part 1-2020, Standard for Portable Lithium Rechargeable Cells and Batteries - General and Specifications** (revision and partition of ANSI C18.2M, Part 1-2013)
  - PINS Date: Nov 3, 2017 | Public Review Date: Nov 22, 2019 | Final Action Date: Jul 24, 2020 | Approved

## NEMA (ASC C29) (National Electrical Manufacturers Association)

  - PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Jan 8, 2018 | Approved

- **ANSI C29.10-2017, Wet Process Porcelain Insulators - Indoor Apparatus Type** (revision of ANSI C29.10-1989 (R2012))
  - PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

- **ANSI C29.11-2020, Composite Insulators - Test Methods** (revision of ANSI C29.11-2012)
  - PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: May 5, 2020 | Approved

- **ANSI C29.12-2020, Composite Insulators - Transmission Suspension Type** (revision of ANSI C29.12-2013)
  - PINS Date: Mar 22, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- **ANSI C29.13-2018, Composite Insulators - Distribution Deadend Type** (revision of ANSI C29.13-2012)
  - PINS Date: Feb 2, 2018 | Public Review Date: Apr 6, 2018 | Final Action Date: Nov 29, 2018 | Approved

- **ANSI C29.17-2013, Standard for Insulators - Composite-Line Post Type** (new standard)
  - PINS Date: Jul 27, 2012 | Public Review Date: Sep 14, 2012 | Final Action Date: Oct 3, 2013 | Approved

- **ANSI C29.18-2013, Standard for Composite Insulators - Distribution Line Post Type** (revision of ANSI C29.18-2003)
  - PINS Date: Aug 3, 2012 | Public Review Date: Sep 21, 2012 | Final Action Date: May 28, 2013 | Approved

- **ANSI C29.19-2020, Composite Insulators - Station Post Type** (new standard)
  - PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- **ANSI C29.2A-2020, Wet Process Porcelain and Toughened Glass - Distribution Suspension Type** (revision of ANSI C29.2A-2013)
  - Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- **ANSI C29.2B-2013, Standard for Insulators - Wet Process Porcelain and Toughened Glass - Transmission Suspension Type** (new standard)
  - PINS Date: Mar 8, 2013 | Public Review Date: Apr 5, 2013 | Final Action Date: May 30, 2013 | Approved
**NEMA (ASC C29) (National Electrical Manufacturers Association)**

- ANSI C29.8-2017, Wet Process Porcelain Insulators - Apparatus, Cap and Pin Type (revision of ANSI C29.8-1985 (R2012))
  
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

  
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Sep 19, 2017 | Approved

- ANSI/NEMA C29.3-2015, Standard for Wet Process Porcelain Insulators - Spool Type (revision and redesignation of ANSI C29.3-1986 (R2012))
  
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/NEMA C29.4-2015, Standard for Wet Process Porcelain Insulators-Strain Type (revision and redesignation of ANSI C29.4-1989 (R2012))
  
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.5-2015, Standard for Wet Process Porcelain Insulators- Low and Medium Voltage Types (revision and redesignation of ANSI C29.5-1984 (R2012))
  
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.6-2015, Standard for Wet Process Porcelain Insulators-High Voltage Pin Type (revision and redesignation of ANSI C29.6-1996 (R2012))
  
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.7-2015, Standard for Wet Process Porcelain Insulators- High-Voltage Line Post Type (revision and redesignation of ANSI C29.7-1996 (R2012))
  
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 31, 2015 | Approved

**NEMA (ASC C37) (National Electrical Manufacturers Association)**

- ANSI C37.50-2018, Low-Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2012)
  
  PINS Date: Jul 3, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Mar 29, 2018 | Approved

  
  PINS Date: Mar 20, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI C37.54-2003 (R2020), Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed SwitchgearConformance Test Procedures (reaffirmation of ANSI C37.54-2003 (R2010))
  
  PINS Date: Feb 28, 2020 | Public Review Date: May 29, 2020 | Final Action Date: Sep 17, 2020 | Approved

  
  PINS Date: Jul 24, 2009 | Public Review Date: Oct 2, 2009 | Final Action Date: Nov 16, 2010 | Approved

- ANSI C37.55-2020, Standard for SwitchgearMedium Voltage Metal-Clad AssembliesConformance Test Procedures (revision of ANSI C37.55-2003 (R2010))
  
  PINS Date: May 11, 2018 | Public Review Date: Dec 27, 2019 | Final Action Date: Feb 24, 2020 | Approved

  
  PINS Date: Jul 24, 2009 | Public Review Date: Oct 2, 2009 | Final Action Date: Nov 16, 2010 | Approved

  
  PINS Date: May 4, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Nov 15, 2019 | Approved
NEMA (ASC C37) (National Electrical Manufacturers Association)

  PINS Date: May 4, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 22, 2020 | Approved

NEMA (ASC C50) (National Electrical Manufacturers Association)

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

- ANSI C50.41-2012 (R2021), Polyphase Induction Motors for Power Generating Stations (reaffirmation of ANSI C50.41-2012)
  PINS Date: Feb 15, 2019 | Public Review Date: Oct 16, 2020 | Final Action Date: Apr 5, 2021 | Approved

NEMA (ASC C78) (National Electrical Manufacturers Association)

  PINS Date: Oct 9, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 29, 2016 | Approved

  PINS Date: Oct 9, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 30, 2016 | Approved

- ANSI C78.1401-2004 (R2016), Dimensions for Projection Lamps - Double-Contact, Medium Ring (Special B), Base-up Type (reaffirmation of ANSI C78.1401-2004 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 6, 2016 | 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 Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1403-1997 (S2018), Standard for Electric Lamps--Tungsten Halogen Lamps with 6.35, GX6.35 and GY6.35 Bases (stabilized maintenance of ANSI C78.1403-1997 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1406-2004 (S2020), For Electric Lamps Electric Lamps – P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1407-2004 (S2020), For Electric Lamps Electric Lamps – Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1408-2004 (S2020), For Electric Lamps Electric Lamps – CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1420-2001 (S2018), Standard For Electric Lamps-Microfilm Projection Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1420-2001 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Jan 24, 2018 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.1430-1997 (R2016), Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases (reaffirmation of ANSI C78.1430-1997 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Feb 26, 2016 | Approved

- ANSI C78.1431-1997 (R2016), Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GV 5.3 Bases (reaffirmation of ANSI C78.1431-1997 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Mar 2, 2016 | 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 Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

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

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

  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1451-2002 (S2018), Standard For Electric Lamps--Use of Protective Shields with Tungsten-Halogen Lamps Cautionary Notice (stabilized maintenance of ANSI C78.1451-2002 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1452-2004 (S2020), For Electric Lamps – Projection Lamps – Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1460-2004 (S2020), For Electric Lamps Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1501-2016, Electric Lamps - Tungsten-Halogen Lamps with G22 Bases and 63.5 mm LCL (revision of ANSI C78.1501-2001 (R2006))
  PINS Date: Dec 18, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

  Public Review Date: Apr 8, 2016 | Final Action Date: Jun 29, 2016 | Approved

  Public Review Date: Nov 7, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI C78.21-2011 (R2016), Incandescent lamps: PAR and R Shapes (reaffirmation of ANSI C78.21-2011)
  Public Review Date: May 6, 2016 | Final Action Date: Aug 23, 2016 | Approved
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NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.389-1999 (S2018), ANS for electric lamps - High Intensity Discharge Methods of Measuring Characteristics (stabilized maintenance of ANSI C78.389-1999 (R2009))
  PINS Date: Jun 30, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.391-2004 (R2016), Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (reaffirmation of ANSI C78.391-2009)
  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 6, 2016 | Approved

- ANSI C78.40-2016, Standard - Electric Lamps: Specifications for Mercury Lamps (revision of ANSI C78.40-2011)
  PINS Date: Jan 1, 2016 | Public Review Date: Apr 8, 2016 | Final Action Date: Jul 7, 2016 | Approved

- ANSI C78.41-2016, Electric lamps: Guidelines for Low Pressure Sodium Lamps (revision of ANSI C78.41-2006 (R2010))
  PINS Date: Dec 18, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

- ANSI C78.42-2009 (R2016), Electric Lamps - High-Pressure Sodium Lamps (reaffirmation and redesignation of ANSI ANSLG C78.42-2009)
  Public Review Date: Oct 16, 2015 | Final Action Date: Feb 26, 2016 | Approved

- ANSI C78.43-2017, for Electric Lamps - Single-Ended Metal Halide Lamps (revision and redesignation of ANSI ANSLG C78.43-2013)
  PINS Date: Jan 23, 2015 | Public Review Date: Jun 30, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C78.44-2016, For Electric Lamps: Double-Ended Metal Halide Lamps (revision and redesignation of ANSI/ANSLG C78.44-2008)
  Public Review Date: Apr 22, 2016 | Final Action Date: Jul 1, 2016 | Approved

- ANSI C78.45-2016, Self-ballasted Mercury Lamps (revision and redesignation of ANSI ANSLG C78.45-2007 (R2010))
  PINS Date: Dec 18, 2015 | Public Review Date: Feb 26, 2016 | Final Action Date: Sep 20, 2016 | Approved

- ANSI C78.5-2017, Standard For Electric Lamps - Specifications for Performance of Self-ballasted Compact Fluorescent Lamps (revision of ANSI C78.5-2003 (R2015))
  PINS Date: Dec 25, 2015 | Public Review Date: May 26, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C78.50-2016, Electric Lamps - Assigned LED Lamp Codes (revision of ANSI C78.50-2014)
  PINS Date: May 6, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

- ANSI C78.51-2016, Electric Lamps: LED (Light Emitting Diode) Lamps - Method of Designation (new standard)
  PINS Date: May 2, 2014 | Public Review Date: May 6, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Aug 29, 2014 | Public Review Date: Sep 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

- ANSI C78.53-2019, ANS For Electric Lamps, Performance Specifications for Direct Replacement LED (Light Emitting Diode) Lamps (new standard)
  PINS Date: Sep 5, 2014 | Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI C78.54-2019, Standard for Electric Lamps - Specification Sheet for Tubular Fluorescent Replacement and Retrofit LED Lamps (new standard)
  PINS Date: Jan 5, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jan 11, 2019 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

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<td>For Electric Lamps - Double-Capped Fluorescent Lamps-Dimensional and Electrical Characteristics</td>
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## NEMA (ASC C78) (National Electrical Manufacturers Association)

- **ANSI C78.LL3-2003 (S2020)**, For Electric Lamps — Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015))
  - Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

  - Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

## NEMA (ASC C8) (National Electrical Manufacturers Association)

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

- **ANSI ICEA P-124-736-2021**, Code Words for 600V Underground Distribution Cable (new standard)
  - PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- **ANSI ICEA P-127-737-2021**, Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables (new standard)
  - PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

  - Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

  - PINS Date: Sep 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Aug 14, 2020 | Approved

  - PINS Date: Dec 16, 2016 | Public Review Date: Jan 12, 2018 | Final Action Date: May 15, 2018 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: Jun 21, 2019 | Final Action Date: Aug 26, 2019 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 2, 2020 | Approved

  - PINS Date: May 18, 2018 | Public Review Date: Jun 11, 2021 | Final Action Date: Jul 27, 2021 | Approved

  - PINS Date: Jan 5, 2018 | Public Review Date: Feb 16, 2018 | Final Action Date: Mar 16, 2018 | Approved

  - Public Review Date: Mar 16, 2018 | Final Action Date: May 15, 2018 | Approved

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  - PINS Date: Apr 26, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Apr 15, 2021 | Approved
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## NEMA (ASC C8) (National Electrical Manufacturers Association)

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  PINS Date: Jun 4, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Dec 7, 2021 | Approved

  PINS Date: Mar 12, 2021 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- **ANSI ICEA S-120-742-2021**, Hybrid Optical Fiber And Power Cable For Use In Limited Power Circuits (revision of ANSI/ICEA S-120-742-2016)  
  PINS Date: Jul 5, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

- **ANSI ICEA S-122-744-2016**, STANDARD FOR OPTICAL FIBER OUTSIDE PLANT MICRODUCT CABLES (new standard)  
  PINS Date: Sep 2, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

- **ANSI ICEA S-130-760-2021**, ICEA Standard For Broadband Twisted Pair Cable Filled And Unfilled, Polyolefin Insulated, Copper Conductor (new standard)  
  PINS Date: Mar 5, 2021 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 2, 2020 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Nov 5, 2019 | Approved

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  Public Review Date: Apr 26, 2019 | Final Action Date: Aug 29, 2019 | Approved

- **ANSI ICEA S-90-661-2021**, Standard For Category 3 And 5E Individually Unshielded Twisted Pairs, Indoor Cables (With Or Without An Overall Shield) For Use In General Purpose And Lan Communication Wiring Systems (revision of ANSI/ICEA S-90-661-2012)  
  PINS Date: Nov 8, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 10, 2021 | Approved

- **ANSI ICEA S-91-674-2021**, Coaxial And Coaxial/Twisted Pair Hybrid Buried Service Wires Technical Requirements (revision of ANSI ICEA S-91-674-2011)  
  PINS Date: Dec 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 10, 2021 | Approved

  PINS Date: Dec 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 23, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 5, 2021 | Approved
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<td>ANSI NEMA HP 4-2021, Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt) (revision of ANSI/NEMA HP 4-2012)</td>
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NEMA (ASC C8) (National Electrical Manufacturers Association)

- ANSI/ICEA P-45-482-2017, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (new standard)
  PINS Date: Sep 9, 2016 | Public Review Date: Dec 23, 2016 | Final Action Date: Jun 6, 2017 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Jan 2, 2015 | Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2016 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Dec 3, 2018 | Approved

- ANSI/ICEA S-121-733-2016, Tree Wire and Messenger Supported Spacer Cable (new standard)
  PINS Date: Apr 22, 2016 | Public Review Date: Jun 17, 2016 | Final Action Date: Sep 23, 2016 | Approved

  Public Review Date: Jun 21, 2016 | Final Action Date: Aug 12, 2019 | Approved

  PINS Date: Dec 13, 2013 | Public Review Date: Mar 28, 2014 | Final Action Date: Jun 27, 2016 | Approved

  PINS Date: Sep 6, 2013 | Public Review Date: Feb 24, 2017 | Final Action Date: Aug 15, 2017 | Approved

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  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 23, 2021 | Approved

  Public Review Date: Nov 4, 2016 | Final Action Date: Apr 26, 2017 | Approved

- ANSI/ICEA S-87-640-2016, Standard for Optical Fiber Outside Plant Communications Cable (revision of ANSI/ICEA S-87-640-2011)
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 10, 2016 | Final Action Date: Aug 25, 2016 | Approved

  PINS Date: Sep 7, 2012 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 19, 2013 | Approved

  PINS Date: May 16, 2014 | Public Review Date: Apr 3, 2015 | Final Action Date: Mar 14, 2016 | Approved

  Public Review Date: Dec 14, 2018 | Final Action Date: Jul 25, 2019 | Approved
NEMA (ASC C8) (National Electrical Manufacturers Association)

  PINS Date: Jul 20, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/NEMA HP 3-2021, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)
  PINS Date: Aug 16, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 2, 2021 | Approved

- ANSI/NEMA HP 9-2014 (R2021), Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V) (reaffirmation of ANSI/NEMA HP 9-2014)
  PINS Date: Jul 26, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 9, 2021 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Dec 6, 2017 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Aug 2, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 22, 2020 | Approved

- ANSI/NEMA WC 66/ICEA S-166-732-2019, Title: Standard for Category 6 and 6A, 100 Ohm Individually, unsheilded twisted pairs, indoor cables (with or without an overall shield) for use in LAN Communication Wire systems (revision of ANSI/NEMA WC 66/ICEA S-116-732-2013)
  PINS Date: May 18, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 30, 2019 | Approved

  Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | Approved

  PINS Date: May 8, 2009 | Public Review Date: Dec 6, 2013 | Final Action Date: Jun 16, 2014 | Approved

- ANSI/NEMA WC 75-2015, Standard for Controlled Impedance in Internal Electrical Cable (new standard)
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  PINS Date: Apr 24, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 23, 2017 | Approved

NEMA (ASC C80) (National Electrical Manufacturers Association)

- ANSI C80.1-2020, Electric Rigid Steel Conduit (revision of ANSI C80.1-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved

- ANSI C80.3-2020, Electrical Metallic TubingSteel (EMT-S) (revision of ANSI C80.3-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved

- ANSI C80.5-2020, Electrical Rigid Metal ConduitAluminum (ERMC-A) (revision of ANSI C80.5-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved
### NEMA (ASC C80) (National Electrical Manufacturers Association)

- ANSI C80.6-2018, Electrical Intermediate Metal Conduit (new standard)
  - PINS Date: Jun 12, 2009 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 7, 2018 | Approved

### NEMA (ASC C81) (National Electrical Manufacturers Association)

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

- ANSI C81.61-2019, Standard for Electrical Lamp Bases Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017)
  - PINS Date: Jun 30, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved

  - PINS Date: Jun 30, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved

  - PINS Date: Feb 9, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved

- ANSI C81.64-2005 (S2020), ANSI for Guidelines and General Information for Electric Lamp Bases, Lampholders and Gauges (stabilized maintenance of ANSI C81.64-2005 (R2014))
  - Public Review Date: Feb 14, 2020 | Final Action Date: Apr 3, 2020 | Approved

### NEMA (ASC C82) (National Electrical Manufacturers Association)

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

- ANSI C82.1-2004 (S2020), Standard For Lamp Ballast - Line Frequency Fluorescent Lamp Ballast (stabilized maintenance of ANSI C82.1-2004 (R2015))
  - Public Review Date: Jan 24, 2020 | Final Action Date: Apr 3, 2020 | Approved

- ANSI C82.11-2017, Lamp Ballasts - High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)
  - PINS Date: Jun 10, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 23, 2017 | Approved

- ANSI C82.13-2020, Standard For Lamp Ballasts -- Definitions - for Fluorescent Lamps and Ballasts (revision of ANSI C82.13-2002 (R2010))
  - PINS Date: Dec 25, 2015 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI C82.14-2016, Lamp ballasts: Low-Frequency Square Wave Electronic Ballasts - for Metal Halide Lamps (revision of ANSI C82.14-2006 (R2010))
  - PINS Date: Dec 25, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

- ANSI C82.15-2021, LED Drivers Robustness (new standard)
  - PINS Date: Mar 14, 2014 | Public Review Date: Feb 26, 2021 | Final Action Date: May 4, 2021 | Approved

- ANSI C82.16-2022, For Light Emitting Diode Drivers - Methods of Measurement (revision of ANSI C82.16-2020)
  - PINS Date: May 29, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 10, 2022 | Approved

- ANSI C82.17-2017, Lighting Equipment: High Frequency (HF) Electronic Ballasts for Metal Halide Lamps (new standard)
  - PINS Date: May 2, 2014 | Public Review Date: Mar 24, 2017 | Final Action Date: May 18, 2017 | Approved

- ANSI C82.18-2022, For Light Emitting Diode Drivers Performance Characteristics (new standard)
  - PINS Date: May 29, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 11, 2022 | Approved

- ANSI C82.2-2002 (S2021), Standard For Lamp Ballasts - Method of Measurement of Fluorescent Lamp Ballasts (stabilized maintenance of ANSI C82.2-2002 (R2016))
  - Public Review Date: May 28, 2021 | Final Action Date: Aug 30, 2021 | Approved
NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.3-2016, Lamp Ballasts - Reference Ballasts for Fluorescent Lamps (revision of ANSI C82.3-2002 (R2010))
  PINS Date: Oct 16, 2015 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 8, 2016 | Approved

- ANSI C82.4-2017, Standard for Lamp Ballasts - Ballasts for High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (revision of ANSI C82.4-2002 (R2010))
  PINS Date: Dec 25, 2015 | Public Review Date: Feb 17, 2017 | Final Action Date: May 18, 2017 | Approved

- ANSI C82.5-2016, Reference Ballasts - High-Intensity-Discharge and Low-Pressure Sodium Lamps (revision and redesignation of ANSI ANSI C82.5-2010 (R2010))
  PINS Date: Dec 25, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

- ANSI C82.6-2015 (R2020), Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge Lamps - Methods of Measurement (reaffirmation of ANSI C82.6-2015)
  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 30, 2020 | Approved

- ANSI C82.77-1-2020, Standard for Lighting Equipment Electromagnetic Compatibility (EMC) General Requirements and Criteria (new standard)
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 1, 2020 | Approved

- ANSI C82.77-10-2021, For Lighting Equipment Harmonic Emission Limits Related Power Quality Requirements (revision of ANSI C82.77-10-2020)
  PINS Date: May 29, 2020 | Public Review Date: Apr 2, 2021 | Final Action Date: Aug 27, 2021 | Approved

- ANSI C82.77-2-2020, Standard for Lighting Equipment Electrostatic Discharge (national adoption with modifications of IEC 61000-4-2 Edition 2 2008-12)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-3-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) Testing and measurement techniques Radiated, low-frequency electromagnetic field immunity test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04))
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-4-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) Testing and measurement techniques Power frequency magnetic field immunity test (national adoption with modifications of IEC 61000-4-8 Edition 2 2009)
  PINS Date: Dec 7, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-5-2017, For Lighting Equipment Voltage Surge Requirements (revision of ANSI C82.77-5-2015)
  PINS Date: Jul 7, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C82.77-7-2020, Standard for Lighting Equipment Testing and measurement techniques Voltage dips, short interruptions and voltage variations immunity tests (national adoption with modifications of IEC 61000-4-11 Edition 2.1 2017-05)
  PINS Date: Dec 7, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-8-2020, Standard for Lighting Equipment Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-9-2020, Standard for Lighting Equipment Injected Currents (national adoption with modifications of IEC 61000-4-6 Edition 4 2013-10)
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 4, 2020 | Approved

- ANSI C82.9-2016, ANS for lamp ballasts: High-Intensity Discharge and Low-Pressure Sodium Lamps â€“ Definitions (revision and redesignation of ANSI ANSI C82.9-2010)
  PINS Date: Aug 21, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jul 12, 2016 | Approved
NEMA (ASC C84) (National Electrical Manufacturers Association)
1300 North 17th Street, Rosslyn, VA  22209 | w: www.nema.org

- ANSI C84.1-2020, Standard for Electric Power Systems and Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)
  PINS Date: Feb 15, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Mar 10, 2020 | Approved

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

  PINS Date: Aug 17, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

  Public Review Date: Apr 24, 2020 | Final Action Date: Jul 10, 2020 | Approved

  Public Review Date: Apr 24, 2020 | Final Action Date: Jul 14, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Aug 7, 2020 | Public Review Date: Sep 25, 2020 | Final Action Date: Feb 2, 2021 | Approved

- ANSI/NEMA/IEC 60974-6-2019, Arc Welding Equipment Part 6: Limited duty equipment (national adoption with modifications of IEC 60974-6, ed. 2)
  PINS Date: Oct 20, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

- ANSI/NEMA/IEC 60974-7-2021, Arc Welding Equipment Part 7: Torches (national adoption of IEC 60974-7, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-7-2009)
  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved

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

  PINS Date: Jul 22, 2016 | Public Review Date: Sep 23, 2016 | Final Action Date: Oct 20, 2017 | Approved

- ANSI Z535.2-2011 (R2017), Environmental and Facility Signs (reaffirmation of ANSI Z535.2-2011)
  Public Review Date: Jan 20, 2017 | Final Action Date: Oct 18, 2017 | Approved
NEMA (ASC Z535) (National Electrical Manufacturers Association)

- ANSI Z535.3-2011 (R2017), Standard Criteria for Safety Symbols (reaffirmation of ANSI Z535.3-2011)
  PINS Date: Jul 1, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Oct 20, 2017 | Approved

- ANSI Z535.4-2011 (R2017), Product Safety Signs and Labels (reaffirmation of ANSI Z535.4-2011)
  Public Review Date: Jan 20, 2017 | Final Action Date: Oct 20, 2017 | Approved

- ANSI Z535.5-2011 (R2017), Standard for Safety Tags and Barricade Tapes (for Temporary Hazards) (reaffirmation of ANSI Z535.5-2011)
  Public Review Date: Jan 20, 2017 | Final Action Date: Oct 25, 2017 | Approved

- ANSI Z535.6-2011 (R2017), Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials (reaffirmation of ANSI Z535.6-2011)
  Public Review Date: Feb 17, 2017 | Final Action Date: Oct 27, 2017 | Approved

NENA (National Emergency Number Association)

- ANSI/NENA STA-010.3-2021, NENA i3 Standard for Next Generation 9-1-1 (new standard)
  PINS Date: May 8, 2015 | Public Review Date: Mar 19, 2021 | Final Action Date: Oct 7, 2021 | Approved

- ANSI/NENA STA-011.1-2021, NENA Standards for 9-1-1 Professional Education (new standard)
  PINS Date: Sep 2, 2016 | Public Review Date: Jul 31, 2020 | Final Action Date: Feb 4, 2021 | Approved

- ANSI/NENA STA-013.2-2016, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: Aug 7, 2015 | Final Action Date: Mar 31, 2016 | Approved

- ANSI/NENA STA-019.1-2018, NG9-1-1 Call Processing Metrics Standard (new standard)
  PINS Date: May 8, 2015 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/NENA STA-026.5-2016, NENA PSAP Master Clock Standard (new standard)
  PINS Date: Aug 28, 2015 | Public Review Date: May 20, 2016 | Final Action Date: Dec 21, 2016 | Approved

- ANSI/NENA STA-027.3-2018, NENA E9-1-1 PSAP Equipment Standard (new standard)
  PINS Date: Apr 15, 2016 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/NENA STA.021.1-2021, NENA Standard for Emergency Incident Data Object (EIDO) (new standard)
  PINS Date: Nov 6, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Oct 19, 2021 | Approved

NETA (InterNational Electrical Testing Association)

  PINS Date: Nov 30, 2018 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 18, 2020 | Approved

  PINS Date: May 18, 2018 | Public Review Date: May 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Oct 16, 2020 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved
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<td>w: <a href="http://www.netaworld.org">www.netaworld.org</a></td>
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  PINS Date: Jul 22, 2011 | Public Review Date: Mar 22, 2013 | Final Action Date: Jun 17, 2013 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 11, 2021 | Approved

- ANSI/NFPA 1035-2015, Standard for Professional Qualifications for Fire and Life Safety Educator, Public Information Officer, and Juvenile Firesetter Intervention Specialist (revision of ANSI/NFPA 1035-2010)
  PINS Date: Nov 30, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Dec 1, 2014 | Approved

  PINS Date: Jul 22, 2011 | Public Review Date: Mar 22, 2013 | Final Action Date: Jun 17, 2013 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

- ANSI/NFPA 105-2022, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2019)
  PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Jul 8, 2021 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: May 31, 2019 | Final Action Date: Sep 11, 2019 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  PINS Date: Nov 10, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: Apr 30, 2019 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

  PINS Date: Aug 11, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

- ANSI/NFPA 1082-2020, Standard for Building Fire and Life Safety Director Professional Qualifications (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Dec 8, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Nov 22, 2020 | Approved
### NFPA (National Fire Protection Association)

  PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

  PINS Date: Aug 24, 2018 | Public Review Date: Feb 28, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Dec 29, 2017 | Final Action Date: Oct 30, 2016 | Approved

  PINS Date: Apr 13, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Sep 15, 2021 | Approved

  PINS Date: Jul 21, 2017 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

  PINS Date: Aug 4, 2017 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

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  PINS Date: Dec 29, 2017 | Final Action Date: Oct 30, 2016 | Approved

- **ANSI/NFPA 1140-2022**, Standards for Wildland Firefighting (new standard)  
  PINS Date: Oct 25, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Jun 2, 2016 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Aug 21, 2017 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Sep 4, 2017 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Jul 31, 2020 | Final Action Date: Dec 26, 2020 | Approved

  PINS Date: Nov 10, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: Apr 30, 2019 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Jul 28, 2021 | Approved

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<td>ANSI/NFPA 221-2021, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls</td>
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PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved

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### NFPA (National Fire Protection Association)

  - PINS Date: Jul 21, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Aug 25, 2019 | Approved

  - Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

  - PINS Date: Aug 4, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  - PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved

  - PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  - PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

  - PINS Date: Jul 21, 2017 | Public Review Date: Apr 26, 2019 | Final Action Date: Aug 25, 2019 | Approved

  - PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved

  - PINS Date: Feb 23, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

  - PINS Date: Aug 4, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: Nov 3, 2020 | Approved

  - PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  - PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved

  - PINS Date: Feb 23, 2018 | Public Review Date: Jan 24, 2020 | Final Action Date: Jun 21, 2020 | Approved

  - PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Sep 15, 2021 | Approved

- **ANSI/NFPA 73-2020**, Standard for Electrical Inspections for Existing Dwellings  (revision of ANSI/NFPA 73-2016)
  - PINS Date: Dec 8, 2017 | Public Review Date: Mar 1, 2019 | Final Action Date: Sep 19, 2019 | Approved

  - PINS Date: Oct 20, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved
<p>| ANSI/NFPA 77-2019, Recommended Practice on Static Electricity  (revision of ANSI/NFPA 77-2013) | PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved |
| ANSI/NFPA 78-2019, Guide on Electrical Inspections  (new standard) | PINS Date: Aug 11, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved |</p>
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# NFRC (National Fenestration Rating Council)

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NISO (National Information Standards Organization)

  Public Review Date: Dec 9, 2011 | Final Action Date: Feb 22, 2012 | Approved

  Public Review Date: May 25, 2012 | Final Action Date: Aug 9, 2012 | Approved

  Public Review Date: May 25, 2012 | Final Action Date: Aug 9, 2012 | Approved

  PINS Date: Aug 10, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Feb 20, 2013 | Approved

  Public Review Date: Feb 17, 2012 | Final Action Date: Apr 16, 2012 | Approved

  Public Review Date: Jan 6, 2017 | Final Action Date: Apr 3, 2017 | Approved

  Public Review Date: Oct 31, 2014 | Final Action Date: Dec 23, 2014 | Approved

  PINS Date: Mar 7, 2014 | Public Review Date: Oct 10, 2014 | Final Action Date: Dec 5, 2014 | Approved

  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 10, 2021 | Approved

  PINS Date: Feb 17, 2012 | Public Review Date: May 4, 2012 | Final Action Date: Jul 9, 2012 | Approved

  PINS Date: May 13, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Feb 2, 2017 | Approved

  Public Review Date: Jan 19, 2018 | Final Action Date: Mar 16, 2018 | Approved

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

  PINS Date: Sep 26, 2014 | Public Review Date: Apr 1, 2016 | Final Action Date: Jul 14, 2016 | Approved

NPPC (National Pork Producers Council)

P.O. Box 10383, Des Moines, IA 50306 | w: www.nppc.org
ANSI/GELPP 0001-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0001 -2002
Concentrated Livestock Operations – General Site Conditions (reaffirmation of ANSI/GELPP 0001-2002 (R2012))
PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

ANSI/GELPP 0002-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0002 -2002
Concentrated Livestock Operations – Production Areas (reaffirmation of ANSI/GELPP 0002-2002 (R2012))
PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

ANSI/GELPP 0003-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0003-2002 -
Concentrated Livestock Operations - Outdoor Manure and Storm Water Storage (reaffirmation of ANSI/GELPP 0003 -2002 (R2012))
PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 21, 2021 | Approved

ANSI/GELPP 0004-2002 (R2021), Good Environmental Livestock Production Practices (GELPP) 0004-2002 -
Concentrated Livestock Operations - Manure Utilization (reaffirmation of ANSI/GELPP 0004-2002 (R2012))
PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 21, 2021 | Approved

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

PINS Date: Feb 13, 2015 | Public Review Date: Mar 10, 2017 | Final Action Date: May 11, 2017 | Approved

ANSI B77.2-2020, Standard for Funiculars - Safety Standard (revision of ANSI B77.2-2014)
PINS Date: Jun 8, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 30, 2020 | Approved

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

ANSI/BIFMA e3-2019 (i23r2), NSF/BIFMA e3 - Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014)
Public Review Date: Apr 27, 2018 | Final Action Date: Apr 3, 2019 | Approved

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

ANSI/NSC 373-2019 (i3r1), Sustainability Assessment for Natural Dimension Stone (revision of ANSI/NSC 373-2017)
Public Review Date: Dec 21, 2018 | Final Action Date: Feb 4, 2019 | Approved

ANSI/NSC 373-2019 (i4r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2019)
Public Review Date: Jun 28, 2019 | Final Action Date: Aug 12, 2019 | Approved

ANSI/NSC 373-2019 (i5r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2019)
Public Review Date: Jun 28, 2019 | Final Action Date: Jul 28, 2019 | Approved

ANSI/NSF 12-2017 (i11r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2012)
Public Review Date: May 26, 2017 | Final Action Date: Jun 28, 2017 | Approved

Public Review Date: Sep 14, 2018 | Final Action Date: Oct 14, 2018 | Approved
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- ANSI/NSF 14-2018 (i88r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 15, 2017 | Final Action Date: Feb 1, 2018 | Approved

- ANSI/NSF 14-2018 (i89r1), NSF 14-Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 29, 2017 | Final Action Date: Feb 2, 2018 | Approved

- ANSI/NSF 14-2018 (i90r1), NSF 14-Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 29, 2017 | Final Action Date: Feb 5, 2018 | Approved

- ANSI/NSF 14-2018 (i91r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Feb 9, 2018 | Final Action Date: Mar 11, 2018 | Approved

  Public Review Date: Jan 5, 2018 | Final Action Date: Feb 12, 2018 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jul 28, 2018 | Approved

- ANSI/NSF 14-2018 (i95r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Feb 23, 2018 | Final Action Date: Mar 25, 2018 | Approved

  Public Review Date: Jun 29, 2018 | Final Action Date: Aug 31, 2018 | Approved

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  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 27, 2020 | Approved

  Public Review Date: May 22, 2020 | Final Action Date: Jun 22, 2020 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Jul 13, 2020 | Approved

- ANSI/NSF 14-2021 (i111r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jun 4, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/NSF 14-2021 (i112r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jun 25, 2021 | Final Action Date: Sep 30, 2021 | Approved

- ANSI/NSF 14-2021 (i113r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Oct 7, 2021 | Approved

- ANSI/NSF 14-2021 (i114r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Sep 17, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/NSF 14-2021 (i115r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jul 9, 2021 | Final Action Date: Oct 12, 2021 | Approved

- ANSI/NSF 14-2021 (i116r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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- ANSI/NSF 14-2021 (i117r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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- ANSI/NSF 14-2021 (i118r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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- ANSI/NSF 2-2018 (i26r2), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2016)
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- ANSI/NSF 2-2018 (i27r1), Food Equipment  (revision of ANSI/NSF 2-2015)
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- ANSI/NSF 2-2018 (i28r1), Food Equipment  (revision of ANSI/NSF 2-2016)
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- ANSI/NSF 2-2018 (i29r1), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2016)
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- ANSI/NSF 2-2019 (i33r1), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2018)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 2, 2019 | Approved

- ANSI/NSF 2-2019 (i34r3), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2018)
  Public Review Date: Apr 12, 2019 | Final Action Date: Jun 21, 2019 | Approved

- ANSI/NSF 2-2019 (i35r1), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2018)
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- ANSI/NSF 2-2021 (i38r2), Food Equipment  (revision of ANSI/NSF 2-2019)
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- ANSI/NSF 2-2021 (i41r2), Food Equipment  (revision of ANSI/NSF 2-2019)
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- ANSI/NSF 2-2022 (i42r2), Food Equipment  (revision of ANSI/NSF 2-2019)
  Public Review Date: Dec 3, 2021 | Final Action Date: Jan 27, 2022 | Approved

- ANSI/NSF 20-2016 (i6r1), Commercial Bulk Milk Dispensing Equipment  (revision of ANSI/NSF 20-2007 (i3))
  Public Review Date: Oct 14, 2016 | Final Action Date: Nov 13, 2016 | Approved

- ANSI/NSF 20-2020 (i7r1), NSF 20 - Commercial Bulk Milk Dispensing Equipment  (revision of ANSI/NSF 20-2016)
  Public Review Date: Apr 26, 2019 | Final Action Date: Jan 3, 2020 | Approved

- ANSI/NSF 21-2015 (i6r3), Thermoplastic Refuse Containers  (revision of ANSI/NSF 21-2012)
  Public Review Date: Oct 3, 2014 | Final Action Date: Mar 4, 2015 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Nov 7, 2019 | Approved

- ANSI/NSF 223-2015 (i5r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60-Drinking Water Treatment Chemicals - Health Effects  (revision of ANSI/NSF 223-2013)
  Public Review Date: May 8, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/NSF 223-2020 (i6r1), NSF 223 - Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60 Drinking Water Treatment Chemicals – Health Effects  (revision of ANSI/NSF 223-2015)
  Public Review Date: Mar 20, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI/NSF 24-2014 (i8r1), Plumbing System Components for Recreational Vehicles  (revision of ANSI/NSF 24-2010)
  Public Review Date: Oct 3, 2014 | Final Action Date: Nov 18, 2014 | Approved

- ANSI/NSF 24-2015 (i10r2), Plumbing system components for recreational vehicles  (revision of ANSI/NSF 24-2010)
  Public Review Date: Jan 16, 2015 | Final Action Date: May 11, 2015 | Approved
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- ANSI/NSF 24-2020 (i11r1), NSF 24 - Plumbing System Components for Recreational Vehicles  (revision of ANSI/NSF 24-2016)
  Public Review Date: Dec 27, 2019 | Final Action Date: Feb 6, 2020 | Approved

  Public Review Date: Jul 15, 2016 | Final Action Date: Jan 25, 2017 | Approved

- ANSI/NSF 244-2018 (i11r15), Supplemental Microbiological Water Treatment Systems - Filtration  (new standard)
  PINS Date: Aug 1, 2003 | Public Review Date: Mar 9, 2018 | Final Action Date: Apr 23, 2018 | Approved

- ANSI/NSF 244-2018 (i2r1), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration  (revision of ANSI/NSF 244-2018)
  Public Review Date: Jul 13, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/NSF 244-2019 (i4r11), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration  (revision of ANSI/NSF 244-2018A)
  Public Review Date: Jun 21, 2019 | Final Action Date: Jul 22, 2019 | Approved

- ANSI/NSF 244-2019 (i5r1), Supplemental Microbiological Water Treatment Systems - Filtration  (revision of ANSI/NSF 244-2018)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 5, 2019 | Approved

- ANSI/NSF 244-2020 (i10r2), NSF/ANSI 244-2020: Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 25, 2020 | Approved

- ANSI/NSF 244-2020 (i11r1), Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
  Public Review Date: Sep 18, 2020 | Final Action Date: Oct 18, 2020 | Approved

- ANSI/NSF 244-2020 (i8r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 17, 2020 | Approved

- ANSI/NSF 244-2020 (i9r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
  Public Review Date: Jul 17, 2020 | Final Action Date: Aug 16, 2020 | Approved

- ANSI/NSF 244-2021 (i12r1), Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
  Public Review Date: Jan 1, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI/NSF 244-2021 (i17r1), Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2020)
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- ANSI/NSF 244-2021 (i6r1), Supplemental Microbiological Water Treatment Systems – Filtration  (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 245-2018 (i12r2), NSF 245 - Wastewater treatment systems - Nitrogen reduction  (revision of ANSI/NSF 245 -2013)
  Public Review Date: Dec 22, 2017 | Final Action Date: Jan 26, 2018 | Approved
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ANSI/NSF 29-2021 (i6r1), NSF 29 - Detergent and Chemical Feeders for Commercial Spray-Type Dishwashing Machines  
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ANSI/NSF 3-2017 (i12r1), Commercial Warewashing Equipment  
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ANSI/NSF 3-2019 (i14r3), NSF 3 - Commercial Warewashing Equipment  
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ANSI/NSF 3-2019 (i16r1), NSF 3 - Commercial Warewashing Equipment  
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ANSI/NSF 3-2021 (i17r1), Commercial Warewashing Equipment  
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ANSI/NSF 3-2021 (i18r1), Commercial Warewashing Equipment  
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ANSI/NSF 3-2021 (i19r1), Commercial Warewashing Equipment  
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ANSI/NSF 3-2021 (i20r2), Commercial Warewashing Equipment  
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ANSI/NSF 3-A 14159-1-2014 (i4r1), Hygiene Requirements for the Design of Meat and Poultry Processing Equipment  
Revision of ANSI/NSF 3-A 14159-1-2010  
Public Review Date: Nov 14, 2014 | Final Action Date: Dec 22, 2014 | Approved

ANSI/NSF 3-A 14159-1-2019 (i8r1), NSF 14159-1 - Hygiene Requirements for the Design of Meat and Poultry Processing Equipment  
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ANSI/NSF 3-A 14159-2-2014 (i5r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing  
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ANSI/NSF 3-A 14159-2-2019 (i8r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing  
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ANSI/NSF 3-A 14159-3-2014 (i6r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing  
Revision of ANSI/NSF 3-A 14159-3-2010  
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- ANSI/NSF 3-A 14159-3-2015 (i3r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing  (revision of ANSI/NSF 3-A 14159-3-2010)
  Public Review Date: Nov 14, 2014 | Final Action Date: Jan 23, 2015 | Approved

- ANSI/NSF 3-A 14159-3-2019 (i8r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing  (revision of ANSI/NSF 3-A 14159-3-2014)
  Public Review Date: Feb 15, 2019 | Final Action Date: Mar 19, 2019 | Approved

- ANSI/NSF 305-2014 (i20r1), Personal Care Products Containing Organic Ingredients  (revision of ANSI/NSF 305-2011)
  Public Review Date: May 9, 2014 | Final Action Date: Nov 4, 2014 | Approved

- ANSI/NSF 305-2015 (i19r2), Personal Care Products Containing Organic Ingredients  (revision of ANSI/NSF 305-2012)
  Public Review Date: Dec 26, 2014 | Final Action Date: Feb 3, 2015 | Approved

- ANSI/NSF 305-2015 (i21r1), Personal Care Products Containing Organic Ingredients  (revision of ANSI/NSF 305-2012)
  Public Review Date: May 9, 2014 | Final Action Date: Mar 3, 2015 | Approved

- ANSI/NSF 305-2015 (i21r4), Personal Care Products Containing Organic Ingredients  (revision of ANSI/NSF 305-2012)
  Public Review Date: Jan 2, 2015 | Final Action Date: Mar 3, 2015 | Approved

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

- ANSI/NSF 305-2016 (i28r1), Personal Care Products Containing Organic Ingredients  (revision of ANSI/NSF 305-2014)
  Public Review Date: Apr 29, 2016 | Final Action Date: Aug 24, 2016 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: Oct 6, 2016 | Approved

  Public Review Date: Aug 8, 2014 | Final Action Date: Oct 16, 2014 | 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 Date: Apr 17, 2015 | Final Action Date: May 17, 2015 | Approved

- ANSI/NSF 330-2015 (i8), Glossary of Drinking Water Treatment Unit Terminology  (revision of ANSI/NSF 330-2014)
  Public Review Date: Sep 18, 2015 | Final Action Date: Oct 27, 2015 | Approved

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- ANSI/NSF 330-2021 (i12r1), Glossary of Drinking Water Treatment Unit Terminology  (revision of ANSI/NSF 330-2020)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/NSF 332-2015 (i8r1), Sustainability Assessment for Resilient Floor Coverings  (revision of ANSI/NSF 332-2012)
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ANSI/NSF 350-2020 (i45r2), NSF 350 - Onsite Residential and Commercial Water Reuse Treatment Systems  (revision of BSR/NSF 350-202x (i45r1))
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<td>ANSI/NSF 358-3-2016 (i1r2), Cross-Linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-source (Geothermal) Heat Pump Systems (new standard)</td>
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- ANSI/NSF 358-4-2018 (i1r3), Polyethylene of Raised Temperature (PE-RT) Tubing and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems. (new standard)
  PINS Date: Aug 18, 2017 | Public Review Date: Feb 2, 2018 | Final Action Date: Mar 19, 2018 | Approved

- ANSI/NSF 358-4-2022 (i2r1), Polyethylene of Raised Temperature (PE-RT) Tubing and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-4-2018)
  Public Review Date: Sep 17, 2021 | Final Action Date: Jan 4, 2022 | Approved

- ANSI/NSF 359-2016 , Valves for crosslinked polyethylene (PEX) water distribution tubing systems (reaffirmation of ANSI/NSF 359-2011)
  Public Review Date: Jul 1, 2016 | Final Action Date: Aug 15, 2016 | Approved

  Public Review Date: Dec 1, 2017 | Final Action Date: Jan 5, 2018 | Approved

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- ANSI/NSF 360-2014 (i2r1), Field Performance Verification (revision of ANSI/NSF 360-2010)
  Public Review Date: Jun 27, 2014 | Final Action Date: Oct 27, 2014 | Approved

- ANSI/NSF 360-2019 (i4r1), Wastewater Treatment Systems – Field Performance Verification (revision of ANSI/NSF 360-2014)
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- ANSI/NSF 363-2016 (i2r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  PINS Date: Sep 11, 2009 | Public Review Date: Jun 17, 2016 | Final Action Date: Jul 19, 2016 | Approved

- ANSI/NSF 363-2016 (i3r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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- ANSI/NSF 363-2016 (i4r2), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Nov 4, 2016 | Final Action Date: Dec 4, 2016 | Approved

- ANSI/NSF 363-2016 (i5r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 21, 2016 | Approved

- ANSI/NSF 363-2016 (i6r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 22, 2016 | Approved

- ANSI/NSF 363-2016 (i7r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 27, 2016 | Approved

- ANSI/NSF 363-2016 (i8r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 28, 2016 | Approved
## NSF (NSF International)

- **ANSI/NSF 363-2016 (i9r1)**, Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)  
  Public Review Date: Nov 4, 2016 | Final Action Date: Dec 4, 2016 | **Approved**

- **ANSI/NSF 363-2017 (i10r1)**, Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)  
  Public Review Date: Nov 4, 2016 | Final Action Date: Jan 9, 2017 | **Approved**

- **ANSI/NSF 37-2017 (i6r6)**, Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2012)  
  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 1, 2017 | **Approved**

- **ANSI/NSF 37-2020 (i8r1)**, NSF 37 - Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)  
  Public Review Date: Apr 26, 2019 | Final Action Date: Nov 11, 2020 | **Approved**

- **ANSI/NSF 37-2021 (i7r1)**, Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)  
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- **ANSI/NSF 37-2021 (i9r1)**, Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)  
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | **Approved**

- **ANSI/NSF 372-2016 (i4r1)**, Drinking Water System Components - Lead Content (revision of ANSI/NSF 372-2011)  
  Public Review Date: Feb 26, 2016 | Final Action Date: Mar 27, 2016 | **Approved**

- **ANSI/NSF 375-2015 (i1r2)**, Sustainability Assessment for Water Contact Products (new standard)  
  PINS Date: Apr 16, 2010 | Public Review Date: Sep 12, 2014 | Final Action Date: Apr 1, 2015 | **Approved**

- **ANSI/NSF 385-2019 (i1r11)**, NSF 385 - Disinfection Mechanics (new standard)  
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- **ANSI/NSF 385-2021 (i6r1)**, Disinfection Mechanics (revision of ANSI/NSF 385-2019)  
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- **ANSI/NSF 385-2021 (i8r1)**, Disinfection Mechanics (revision of ANSI/NSF 385-2019)  
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- **ANSI/NSF 385-2021 (i9r1)**, Disinfection Mechanics (revision of ANSI/NSF 385-2019)  
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- **ANSI/NSF 391.1-2019 (i1r2)**, General Sustainability Assessment Criteria for Professional Services (new standard)  
  PINS Date: Jan 28, 2011 | Public Review Date: Jun 29, 2018 | Final Action Date: Jan 29, 2019 | **Approved**

- **ANSI/NSF 4-2016 (i18r4)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)  
  Public Review Date: Mar 4, 2016 | Final Action Date: Apr 22, 2016 | **Approved**

- **ANSI/NSF 4-2016 (i23r1)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)  
  Public Review Date: Nov 27, 2015 | Final Action Date: Apr 14, 2016 | **Approved**
ANSI/NSF 4-2016 (i24r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)
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ANSI/NSF 4-2019 (i27r1), NSF 4 - Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)
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ANSI/NSF 4-2019 (i29r1), NSF 4 - Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2016)
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ANSI/NSF 4-2020 (i25r3), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
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ANSI/NSF 4-2020 (i30r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
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ANSI/NSF 4-2021 (i21r8), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
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ANSI/NSF 4-2021 (i31r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
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ANSI/NSF 4-2021 (i32r2), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
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ANSI/NSF 40-2018 (i29r1), NSF/ANSI 40 Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2009 (i19))
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ANSI/NSF 40-2018 (i31r2), NSF 40 - Residential Wastewater Treatment Systems (revision of ansi/NSF 40-2013)
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ANSI/NSF 40-2019 (i32r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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ANSI/NSF 40-2019 (i33r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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ANSI/NSF 40-2019 (i34r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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ANSI/NSF 40-2020 (i38r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)
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NSF (NSF International)

- ANSI/NSF 40-2020 (i41r1), Residential Wastewater Treatment Systems  (revision of ANSI/NSF 40-2019)
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- ANSI/NSF 40-2021 (i36r1), NSF 40 Residential Wastewater Treatment Systems  (revision of ANSI/NSF 40-2018)
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- ANSI/NSF 401-2016, Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2014 (i1r2.1))
  Public Review Date: Feb 5, 2016 | Final Action Date: Mar 3, 2016 | Approved

- ANSI/NSF 401-2016 (i3r1), Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2014)
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- ANSI/NSF 401-2016 (i6r1), NSF 401-2016 - Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2014)
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- ANSI/NSF 401-2016 (i7r1), Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2014)
  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 29, 2016 | Approved

- ANSI/NSF 401-2017 (i5r1), Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2016)
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- ANSI/NSF 401-2017 (i8r1), Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2016)
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- ANSI/NSF 401-2018 (i10r2), NSF 401 - Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2017a)
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- ANSI/NSF 401-2018 (i11r1), NSF 401 - Drinking water treatment units - Emerging compounds/incidental contaminants  (revision of ANSI/NSF 401-2018)
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- ANSI/NSF 401-2018 (i13r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants  (revision of ANSI/NSF 401-2017a)
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- ANSI/NSF 401-2019 (i14r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants  (revision of ANSI/NSF 401-2018)
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- ANSI/NSF 401-2020 (i16r1), NSF 401-2020: Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants  (revision of ANSI/NSF 401-2019)
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- ANSI/NSF 401-2020 (i17r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants  (revision of ANSI/NSF 401-2019)
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- ANSI/NSF 42-2014 (i79r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2013)
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- ANSI/NSF 42-2014 (i80r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2013)
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- ANSI/NSF 42-2015 (i73r5), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i82r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i83r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i84), Drinking Water Treatment Systems - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i85), Drinking Water Treatment Systems - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2016 (i75r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
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- ANSI/NSF 42-2016 (i92r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
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- ANSI/NSF 42-2017 (i90r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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- ANSI/NSF 42-2017 (i93r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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## NSF (NSF International)

- **ANSI/NSF 42-2017** (i94r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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- **ANSI/NSF 42-2017** (i95r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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- **ANSI/NSF 42-2017** (i96r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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- **ANSI/NSF 42-2020** (i107r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2019)
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- **ANSI/NSF 42-2021** (i108r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- **ANSI/NSF 42-2021** (i110r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2019)
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- **ANSI/NSF 42-2021** (i111r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- **ANSI/NSF 42-2021** (i112r1), NSF 42: Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
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NSF (NSF International)

- ANSI/NSF 42-2021 (i113r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- ANSI/NSF 42-2021 (i114r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- ANSI/NSF 42-2021 (i115r2), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- ANSI/NSF 42-2021 (i116r2), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- ANSI/NSF 42-2021 (i118r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
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- ANSI/NSF 426-2018 (i5r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426i5r1)
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- ANSI/NSF 437-2021 (i1r2), Glossary of Wastewater Technology Terminology (new standard)
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- ANSI/NSF 44-2014 (i35), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2012 (i34))
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- ANSI/NSF 44-2014 (i36r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2013)
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- ANSI/NSF 44-2015 (i37r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)
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NSF (NSF International)

- ANSI/NSF 44-2015 (i38r2), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)
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- ANSI/NSF 44-2015 (i39), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)
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- ANSI/NSF 44-2016 (i41r1), NSF 44-2016 - Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2015)
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- ANSI/NSF 44-2017 (i42r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2016)
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- ANSI/NSF 44-2017 (i43), NSF/ANSI 44 Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2016)
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- ANSI/NSF 44-2021 (i48r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)
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- ANSI/NSF 44-2021 (i49r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)
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- ANSI/NSF 455-1-2018 (i1r2), NSF 455-1 - Terminology for the NSF 455 Portfolio of Standards (new standard)
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- ANSI/NSF 455-2-2018 (i1r3), NSF 455-2 - Good Manufacturing Practices for Dietary Supplements (new standard)
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NSF (NSF International)

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- ANSI/NSF 455-3-2018 (i10r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i11r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i12r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i13r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i2r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i3r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i4r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i6r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i7r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-3-2018 (i8r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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- ANSI/NSF 455-4-2018 (i10r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i11r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i12r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i1r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (new standard)
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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)
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- ANSI/NSF 455-4-2018 (i3r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i4r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i5r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i6r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i7r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2018 (i8r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 7, 2018 | Approved

- ANSI/NSF 455-4-2018 (i9r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2020 (i13r1), NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2020 (i14r3), NSF 455-4: Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2021 (i39r2), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i40r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 456-2021 (i1r1), Vaccine Storage (new standard)
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- ANSI/NSF 456-2021a (i2r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i3r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i4r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i5r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i6r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 457-2017 (i1r2ADJ), NSF/ANSI 457 Sustainability Leadership Standard for Photovoltaic Modules (new standard)
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  Public Review Date: Jun 7, 2019 | Final Action Date: Jul 22, 2019 | Approved

- ANSI/NSF 46-2014 (i24r1), Evaluation of Components Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2013)
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- ANSI/NSF 46-2014 (i26r1), Evaluation of Components Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2013)
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NSF (NSF International)

- ANSI/NSF 46-2017 (i29r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)
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- ANSI/NSF 46-2021 (i37r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2020)
  Public Review Date: Nov 27, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI/NSF 49-2014 (i48r7), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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- ANSI/NSF 49-2014 (i52r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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- ANSI/NSF 49-2014 (i53r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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- ANSI/NSF 49-2014 (i55r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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- ANSI/NSF 49-2014 (i72r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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- ANSI/NSF 49-2016 (i45r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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### NSF (NSF International)

- **ANSI/NSF 49-2016 (i56r2)**, Biosafety Cabinetry: Design, Construction, Performance, and Field (revision of ANSI/NSF 49-2014)
  - Public Review Date: Jul 31, 2015 | Final Action Date: Jun 17, 2016 | Approved

- **ANSI/NSF 49-2016 (i76r2)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014 and BSR/NSF 49-201x (i76r1))
  - Public Review Date: May 13, 2016 | Final Action Date: Jun 24, 2016 | Approved

- **ANSI/NSF 49-2016 (i78r3)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- **ANSI/NSF 49-2016 (i79r2)**, NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- **ANSI/NSF 49-2016 (i81r3)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- **ANSI/NSF 49-2016 (i86r1)**, NSF 49 - 2016 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- **ANSI/NSF 49-2016 (i90r1)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- **ANSI/NSF 49-2017 (i73Br5)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2006 (i11))
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- **ANSI/NSF 49-2018 (i108r4)**, NSF 49 - Biosafety Cabinetry (revision of ANSI/NSF 49-2016)
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- **ANSI/NSF 49-2018 (i109r1)**, Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- ANSI/NSF 49-2018 (i111r2), Biosafety Cabintery: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- ANSI/NSF 49-2018 (i117r1), Biosafety Cabintery: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- ANSI/NSF 49-2018 (i121r1), NSF 49 - Biosafety Cabintery: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- ANSI/NSF 50-2016 (i113r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2015 and BSR/NSF 50-201x (i113r1))
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- ANSI/NSF 50-2016 (i118r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)
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- ANSI/NSF 50-2016 (i89r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2013)
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- ANSI/NSF 50-2016 (i99r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2013)
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- **ANSI/NSF 50-2017 (i121r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
  
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- **ANSI/NSF 50-2017 (i123r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
  
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- **ANSI/NSF 50-2017 (i131r1), NSF/ANSI 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
  
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- **ANSI/NSF 50-2018 (i126r1), NSF/ANSI 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
  
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- **ANSI/NSF 50-2018 (i133r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
  
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NSF (NSF International)

- ANSI/NSF 50-2018 (i134r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)
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- ANSI/NSF 50-2018 (i135r2), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016a)
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ANSI/NSF 53-2018 (i113r1), NSF 53 - Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53 -2018)
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ANSI/NSF 53-2020 (i126r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2019)
Public Review Date: Sep 18, 2020 | Final Action Date: Oct 18, 2020 | Approved

ANSI/NSF 53-2021 (i128r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2019)
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The data in this document is reported as of Tuesday, February 22, 2022

NSF (NSF International)

- ANSI/NSF 53-2021 (i129r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Apr 9, 2021 | Final Action Date: May 24, 2021 | Approved

- ANSI/NSF 53-2021 (i131r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Apr 16, 2021 | Final Action Date: May 31, 2021 | Approved

- ANSI/NSF 53-2021 (i134r1), Drinking Water Treatment Units - Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Jul 16, 2021 | Final Action Date: Aug 30, 2021 | Approved

- ANSI/NSF 53-2021 (i135r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i136r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i137r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/NSF 53-2021 (i138r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 4, 2021 | Approved

- ANSI/NSF 53-2021 (i139r2), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Nov 12, 2021 | Final Action Date: Dec 27, 2021 | Approved

- ANSI/NSF 53-2021 (i140r1), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2020)
  Public Review Date: Nov 26, 2021 | Final Action Date: Dec 27, 2021 | Approved

- ANSI/NSF 55-2014 (i37), Ultraviolet Microbiological Water Treatment System  (revision of ANSI/NSF 55-2013)
  Public Review Date: May 9, 2014 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/NSF 55-2014 (i38r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2013)
  Public Review Date: Sep 19, 2014 | Final Action Date: Oct 19, 2015 | Approved

- ANSI/NSF 55-2014 (i39r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2013)
  Public Review Date: Sep 26, 2014 | Final Action Date: Nov 3, 2014 | Approved

- ANSI/NSF 55-2015 (i40r2), Ultraviolet Microbiological Water Treatment System  (revision of ANSI/NSF 55-2014)
  Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2015 | Approved

- ANSI/NSF 55-2016 (i42r1), NSF 55-2016 - Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2015)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 19, 2016 | Approved

- ANSI/NSF 55-2017 (i43r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2016)
  Public Review Date: May 12, 2017 | Final Action Date: Jun 13, 2017 | Approved

  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 27, 2017 | Approved

  Public Review Date: Jun 22, 2018 | Final Action Date: Jul 31, 2018 | Approved

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- **Public Review Date**: Aug 5, 2016 | **Final Action Date**: Sep 19, 2016 | **Approved**

### ANSI/NSF 58-2016 (i77r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2015)
- **Public Review Date**: Jul 15, 2016 | **Final Action Date**: Aug 29, 2016 | **Approved**

### ANSI/NSF 58-2017 (i78r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2016)
- **Public Review Date**: May 12, 2017 | **Final Action Date**: Jun 13, 2017 | **Approved**

- **Public Review Date**: Sep 8, 2017 | **Final Action Date**: Oct 27, 2017 | **Approved**

- **Public Review Date**: Jun 22, 2018 | **Final Action Date**: Jul 31, 2018 | **Approved**

- **Public Review Date**: Oct 5, 2018 | **Final Action Date**: Nov 19, 2018 | **Approved**

- **Public Review Date**: Jul 27, 2018 | **Final Action Date**: Mar 7, 2019 | **Approved**

- **Public Review Date**: Mar 22, 2019 | **Final Action Date**: May 6, 2019 | **Approved**

- **Public Review Date**: Nov 15, 2019 | **Final Action Date**: Apr 30, 2020 | **Approved**

### ANSI/NSF 58-2021 (i91r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)
- **Public Review Date**: Aug 27, 2021 | **Final Action Date**: Oct 11, 2021 | **Approved**

### ANSI/NSF 58-2021 (i92r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2019)
- **Public Review Date**: Jan 1, 2021 | **Final Action Date**: May 20, 2021 | **Approved**

### ANSI/NSF 58-2021 (i95r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)
- **Public Review Date**: Jul 2, 2021 | **Final Action Date**: Aug 16, 2021 | **Approved**

### ANSI/NSF 58-2021 (i96r2), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2020)
- **Public Review Date**: Nov 12, 2021 | **Final Action Date**: Dec 27, 2021 | **Approved**

- **Public Review Date**: Oct 28, 2016 | **Final Action Date**: Jan 4, 2017 | **Approved**

### ANSI/NSF 59-2020 (i10r1), Mobile Food Carts (revision of ANSI/NSF 59-2017)
- **Public Review Date**: Oct 30, 2020 | **Final Action Date**: Nov 29, 2020 | **Approved**

- **Public Review Date**: Apr 26, 2019 | **Final Action Date**: May 4, 2020 | **Approved**

### ANSI/NSF 59-2020 (i9r1), Mobile Food Carts (revision of ANSI/NSF 59-2017)
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NSF (NSF International)

  Public Review Date: Sep 13, 2019 | Final Action Date: Nov 19, 2019 | Approved

  Public Review Date: Mar 13, 2020 | Final Action Date: Oct 27, 2020 | Approved

  Public Review Date: Apr 3, 2020 | Final Action Date: Oct 23, 2020 | Approved

  Public Review Date: Sep 11, 2020 | Final Action Date: Nov 11, 2020 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 21, 2020 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Jan 4, 2021 | Approved

  Public Review Date: Jul 23, 2021 | Final Action Date: Dec 2, 2021 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 30, 2021 | Approved

  Public Review Date: Nov 12, 2021 | Final Action Date: Jan 4, 2022 | Approved

- ANSI/NSF/CAN 60-2019 (i80r1), NSF 60 - Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF 60-2018)
  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 18, 2019 | Approved
NSF (NSF International)

  Public Review Date: Jun 7, 2019 | Final Action Date: Sep 4, 2019 | Approved

- ANSI/NSF/CAN 60-2019 (i82r1), Drinking Water Treatment Chemicals – Health Effects  (revision of ANSI/NSF/CAN 60 -2018)
  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 28, 2019 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Jun 23, 2019 | Approved

- ANSI/NSF/CAN 60-2019 (i84r1), NSF 60: Drinking Water Treatment Chemicals - Health Effects  (revision of ANSI/NSF 60-2018)
  Public Review Date: Feb 22, 2019 | Final Action Date: Jun 20, 2019 | Approved

  Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

  Public Review Date: Apr 3, 2020 | Final Action Date: May 26, 2020 | Approved

  Public Review Date: Apr 3, 2020 | Final Action Date: May 27, 2020 | Approved

  Public Review Date: Jun 19, 2020 | Final Action Date: Aug 31, 2020 | Approved

  Public Review Date: Apr 10, 2020 | Final Action Date: May 28, 2020 | Approved

  Public Review Date: Apr 10, 2020 | Final Action Date: Jun 3, 2020 | Approved

  Public Review Date: Apr 10, 2020 | Final Action Date: Jun 16, 2020 | Approved

  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 31, 2020 | Approved

  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 20, 2021 | Approved

- ANSI/NSF/CAN 60-2021 (i94r1), Drinking Water Treatment Chemicals – Health Effects  (revision of ANSI/NSF/CAN 60 -2020)
  Public Review Date: Feb 19, 2021 | Final Action Date: Apr 16, 2021 | Approved
NSF (NSF International)

- ANSI/NSF/CAN 600-2018 (i1r1), NSF 600 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water (new standard)
  PINS Date: Jun 1, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 15, 2018 | Approved

- ANSI/NSF/CAN 600-2018 (i2r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF 600-2018 (i1r1))
  Public Review Date: Nov 16, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Jun 15, 2019 | Approved

  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 6, 2019 | Approved

  Public Review Date: Feb 5, 2021 | Final Action Date: Apr 9, 2021 | Approved

- ANSI/NSF/CAN 600-2021 (i6r1), 600-2021 Addendum (addenda to ANSI/NSF/CAN 600-2021)
  Public Review Date: Aug 13, 2021 | Final Action Date: Sep 27, 2021 | Approved

  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 30, 2019 | Approved

  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 24, 2019 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Sep 11, 2019 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Jun 25, 2019 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Jul 21, 2019 | Approved

  Public Review Date: Mar 8, 2019 | Final Action Date: Jun 12, 2019 | Approved

  Public Review Date: Jun 14, 2019 | Final Action Date: Aug 30, 2019 | Approved

  Public Review Date: Apr 12, 2019 | Final Action Date: Jun 13, 2019 | Approved
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NSF (NSF International)

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 4, 2020 | Approved

NW&RA (ASC Z245) (National Waste & Recycling Association)

  Public Review Date: May 22, 2015 | Final Action Date: Jan 9, 2017 | Approved

  - ANSI Z245.2-2013, Stationary Compactors - Safety Requirements for Installation, Maintenance, Operation, Modification and Repair (revision of ANSI Z245.2-2008)
    PINS Date: Aug 15, 2008 | Public Review Date: Jun 21, 2013 | Final Action Date: Dec 4, 2013 | Approved

    PINS Date: Apr 6, 2012 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

  - ANSI Z245.30-2018, Waste Containers - Safety Requirements (new standard)
    PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

    PINS Date: Jun 14, 2013 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 6, 2015 | Approved

    PINS Date: Aug 15, 2008 | Public Review Date: Nov 11, 2011 | Final Action Date: Mar 27, 2012 | Approved

  - ANSI Z245.5-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment -- Safety Requirements for Installation, Maintenance and Operation (revision of ANSI Z245.5-2008)
    PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

    PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

  - ANSI Z245.60-2018, Waste Containers - Compatibility Dimensions (new standard)
    PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

  PINS Date: Jan 16, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Jun 19, 2017 | Approved

- ANSI OEOSC OP1.007-2020, Optics and Electro-Optical Instruments— Optical Elements and Assemblies— Infrared Spectral Bands (new standard)
  PINS Date: Mar 1, 2013 | Public Review Date: Sep 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

  PINS Date: Jul 9, 2010 | Public Review Date: Jul 30, 2010 | Final Action Date: Aug 8, 2011 | Approved
OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

- ANSI/OEOSC OP1.0110-10-2014, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)
  PINS Date: Jul 9, 2010 | Public Review Date: Oct 31, 2014 | Final Action Date: Dec 18, 2014 | Approved
- ANSI/OEOSC OP1.0110-12-2014, Optics and Electro-Optical Instruments - Preparation of Drawings for Optical Elements and Systems - Part 12: Aspheric Surfaces (national adoption with modifications of ISO 10110-12)
  PINS Date: Jul 9, 2010 | Public Review Date: Feb 8, 2013 | Final Action Date: Oct 31, 2014 | Approved
  PINS Date: Jun 24, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 30, 2015 | Approved
  PINS Date: Jun 24, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved
- ANSI/OEOSC OP1.0110-9-2015, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 9: Surface treatment and coatings (national adoption with modifications of ISO 10110-9)
  PINS Date: Jun 24, 2011 | Public Review Date: Mar 28, 2014 | Final Action Date: Dec 30, 2015 | Approved
- ANSI/OEOSC OP1.9211-4-2014, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)
  PINS Date: Jan 18, 2013 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved
  Public Review Date: Jan 3, 2014 | Final Action Date: Dec 17, 2014 | Approved

OIX (Open-IX Association)

340 South Lemon Avenue #7988, Walnut, CA 91789 | w: http://www.open-ix.org

- ANSI/OIX 1-2020, Open-IX Certified Internet Exchange (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Jul 23, 2020 | Approved
- ANSI/OIX 2-2020, Data Center Technical Standard (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Aug 26, 2020 | Approved
- ANSI/OIX 3-2021, Edge Technical Standard (new standard)
  PINS Date: Mar 5, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 | w: www.opei.org

  PINS Date: Aug 16, 2013 | Public Review Date: Jun 7, 2019 | Final Action Date: Sep 5, 2019 | Approved
  PINS Date: Jun 19, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 6, 2020 | Approved
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### OPEI (Outdoor Power Equipment Institute)

- ANSI/OPEI B71.8-2016, Powered Walk-Behind Rotary Tillers and Hand-Supported Cultivators - Safety Specifications  
  (revision of ANSI/OPEI B71.8-1996 (R2005))  
  PINS Date: Feb 3, 2012 | Public Review Date: Jul 10, 2015 | Final Action Date: Jan 13, 2016 | Approved
- ANSI/OPEI B71.9-2016, Multipurpose Off-Highway Utility Vehicles  
  (revision of ANSI/OPEI B71.9-2012)  
  PINS Date: Mar 29, 2013 | Public Review Date: Mar 4, 2016 | Final Action Date: May 13, 2016 | Approved
- ANSI/OPEI Z130.1-2020, (Standard) for Golf Cars - Safety and Performance Specifications  
  (revision and redesignation of ANSI/ILTVA Z130.1-2012)  
  PINS Date: Feb 26, 2016 | Public Review Date: Dec 13, 2019 | Final Action Date: May 20, 2020 | Approved
- ANSI/OPEI Z135-2020, (Standard) for Personal Transport Vehicles - Safety and Performance Specifications  
  (revision and redesignation of ANSI/ILTVA Z135-2012)  
  PINS Date: Aug 28, 2015 | Public Review Date: Dec 13, 2019 | Final Action Date: Aug 7, 2020 | Approved

### PCI (Precast/Prestressed Concrete Institute)

- ANSI/PCI 128-2019, Specification for Glass-Fiber-Reinforced Concrete Panels  
  (new standard)  
  PINS Date: Jun 16, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: May 21, 2019 | Approved

### PDA (Parenteral Drug Association)

- ANSI/PDA Standard 001-2020, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries  
  (new standard)  
  PINS Date: Jun 15, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 13, 2020 | Approved
  (new standard)  
  PINS Date: Jun 15, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Dec 13, 2021 | Approved
- ANSI/PDA Standard 04-2021, Phage Retention Nomenclature Rating for Small and Large Virus-Retentive Filters  
  (new standard)  
  PINS Date: Mar 29, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Jan 28, 2021 | Approved
- ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction  
  (new standard)  
  PINS Date: Jul 5, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Jun 10, 2021 | Approved

### PEARL (Professional Electrical Apparatus Recyclers League)

  (new standard)  
  PINS Date: Feb 14, 2014 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 25, 2018 | Approved

### PGMA (Portable Generator Manufacturers Association)

- ANSI/PGMA G300-2018, Safety and Performance of Portable Generators  
  (revision of ANSI/PGMA G300-2015)  
  PINS Date: Sep 30, 2016 | Public Review Date: Jan 5, 2018 | Final Action Date: Apr 20, 2018 | Approved
The data in this document is reported as of Tuesday, February 22, 2022

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)

  PINS Date: Apr 17, 2020 | Public Review Date: Jun 4, 2021 | Final Action Date: Aug 2, 2021 | Approved

  PINS Date: Sep 6, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Nov 19, 2020 | Approved

PLASTICS (Plastics Industry Association)

  PINS Date: Feb 10, 2012 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

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

- ANSI/PLASTICS B151.20-2013 (R2018), Safety Requirements for Plastic Sheet Production Machinery (reaffirmation and redesignation of ANSI/SPI B151.20-2013)
  Public Review Date: Oct 12, 2018 | Final Action Date: Feb 27, 2019 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/PLASTICS B151.31-2014 (R2020), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)
  Public Review Date: Mar 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/PLASTICS B151.5-2020, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)
  PINS Date: Jul 20, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/PLASTICS B151.7-2013 (R2021), Safety Requirements for Extrusion Machines (reaffirmation and redesignation of ANSI/SPI B151.7-2013)
  PINS Date: Jan 18, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Sep 24, 2021 | Approved

PLATO (Portable Lights American Trade Organization)

- ANSI/PLATO FL 1-2019, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)
  PINS Date: Feb 23, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 23, 2019 | Approved

PMI (Organization) (Project Management Institute)

  PINS Date: Feb 6, 2015 | Public Review Date: May 5, 2017 | Final Action Date: Jul 21, 2017 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 29, 2019 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Feb 16, 2021 | Approved
PMI (Organization) (Project Management Institute)

  PINS Date: Apr 3, 2015 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

- ANSI/PMI-17-005-2017, The Standard for Business Analysis  
  PINS Date: Oct 14, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 30, 2017 | Approved

PMMI (Organization) (PMMI - The Association for Packaging and Processing Technologies)

- ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery  
  PINS Date: Nov 6, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Nov 18, 2016 | Approved

PRCA (Professional Ropes Course Association)

- ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation & Training Standards  
  PINS Date: Dec 23, 2005 | Public Review Date: Oct 21, 2011 | Final Action Date: Mar 3, 2014 | Approved

PSAI (Portable Sanitation Association International)

  PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

- ANSI/PSAI Z4.4-2016, Sanitation in Fields and Temporary Labor Camps: Minimum Requirements  
  PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 5, 2019 | Approved

  PINS Date: May 26, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: May 4, 2018 | Approved

- ANSI/RESNA AT-1-Section 4-2021, RESNA Standard for Assistive Technology for Air Travel – Volume 1 Requirements and Test Methods Related to Mobility Devices  
  PINS Date: Sep 18, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Sep 16, 2021 | Approved

  PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Oct 19, 2018 | Approved

  PINS Date: Jan 25, 2019 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 3, 2019 | Approved

- ANSI/RESNA IF-1-2020, RESNA Standard for Inclusive Fitness—Volume 1: RESNA Standard for Inclusive Fitness Environments  
  PINS Date: Sep 4, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 21, 2020 | Approved
RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  PINS Date: Jun 9, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 15, 2019 | Approved

  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Feb 7, 2014 | Public Review Date: Aug 10, 2018 | Final Action Date: Jan 16, 2019 | Approved

  PINS Date: Apr 5, 2013 | Public Review Date: May 5, 2017 | Final Action Date: Nov 27, 2017 | Approved

RESNET (Residential Energy Services Network, Inc.)

  Public Review Date: Oct 8, 2021 | Final Action Date: Dec 17, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Jun 23, 2020 | Approved

  Public Review Date: Nov 19, 2021 | Final Action Date: Feb 3, 2022 | Approved

  PINS Date: Aug 10, 2012 | Public Review Date: Aug 21, 2015 | Final Action Date: Feb 4, 2016 | Approved

  Public Review Date: Jul 7, 2017 | Final Action Date: Sep 12, 2017 | Approved

  Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved
RIC (Remanufacturing Industries Council)
150 Lucius Gordon Drive, Suite 127, West Henrietta, NY 14586 | w: www.remancouncil.org
- ANSI/RIC 001.2-2021, Specifications for the Process of Remanufacturing  
  (revision of ANSI/RIC 001.1-2016)  
  PINS Date: Oct 9, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 22, 2021 | Approved

ROHVA (Recreational Off-Highway Vehicle Association)
2 Jenner Street, Suite 150, Irvine, CA 92618
- ANSI/ROHVA 1-2016, Standard for Recreational Off-Highway Vehicles  
  (revision of ANSI/ROHVA 1-2014)  
  PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved

RVIA (Recreational Vehicle Industry Association)
1899 Preston White Drive, Reston, VA 20191-4326 | w: www.rvia.org
- ANSI A119.5-2020, Park Model Recreational Vehicle Standard  
  (revision of ANSI A119.5-2015)  
  PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved
- ANSI/RVIA EGS-1-2018, Engine Generator Sets for Recreational Vehicle Requirements  
  (revision of ANSI/RVIA EGS-1-2013)  
  PINS Date: Mar 10, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: May 2, 2018 | Approved
- ANSI/RVIA EXTLAD-1-2019, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles  
  (new standard)  
  PINS Date: Jun 30, 2017 | Public Review Date: Jun 14, 2019 | Final Action Date: Jul 19, 2019 | Approved
- ANSI/RVIA LV-2020, Standard for Low Voltage Systems in Conversion and Recreational Vehicles  
  (revision of ANSI/RVIA LV-2017)  
  PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved
- ANSI/RVIA RVEC-1-2021, Recommended Practice Testing Requirements of Exterior Components for Recreational Vehicles  
  (new standard)  
  PINS Date: Jun 5, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Aug 9, 2021 | Approved
- ANSI/RVIA TSIC-1-2018, Recommended Practice Process Controls for Assembly of Wheels on Trailers  
  (revision of ANSI/RVIA TSIC-1-2008 (R2013))  
  PINS Date: May 5, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Apr 10, 2018 | Approved
- ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles  
  (revision of ANSI/RVIA UPA-1-2014)  
  PINS Date: Apr 13, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Mar 8, 2019 | Approved

SAAMI (Sporting Arms and Ammunition Manufacturers Institute)
11 Mile Hill Road, Newtown, CT 06470-2359 | w: www.saami.org
- ANSI/SAAMI Z299.1-2015 (R2018), Voluntary Industry Performance Standards for Pressure and Velocity of Rimfire Sporting Ammunition for Use by Commercial Manufacturers  
  (reaffirmation of ANSI/SAAMI Z299.1-2015)  
  PINS Date: May 12, 2017 | Public Review Date: Nov 9, 2018 | Final Action Date: Jun 13, 2018 | Approved
  (revision of ANSI/SAAMI Z299.2-2015)  
  PINS Date: Mar 16, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 23, 2019 | Approved
- ANSI/SAAMI Z299.3-2015, Voluntary Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for Use by Commercial Manufacturers  
  (new standard)  
  PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | Approved
## Approved American National Standards

The data in this document is reported as of Tuesday, February 22, 2022

### SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

- ANSI/SAAMI Z299.4-2015, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Rifle Sporting Ammunition for Use by Commercial Manufacturers  
  (new standard)  
  PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | **Approved**

  (new standard)  
  PINS Date: May 22, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Mar 14, 2016 | **Approved**

### SAE (SAE International)

- 755 West Big Beaver Road, Suite 1600, Troy, MI 48084 | w: www.sae.org

- ANSI/SAE/ISO 9244-2010, Earth Moving Machinery - Product Safety Labels - General Principles  
  (identical national adoption of ISO 9244 and revision of ANSI/SAE/ISO 9244-2009)  
  PINS Date: Sep 25, 2009 | Public Review Date: Mar 12, 2010 | Final Action Date: May 27, 2010 | **Approved**

  (new standard)  
  PINS Date: May 29, 2015 | Public Review Date: Jun 1, 2018 | Final Action Date: Mar 21, 2019 | **Approved**

### SAIA (ASC A11) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

  (new standard)  
  PINS Date: Aug 5, 2016 | Public Review Date: May 10, 2019 | Final Action Date: Nov 21, 2019 | **Approved**

### SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

- ANSI/SAIA A92.10-2009 (R2014), Standard for Transport Platforms  
  (reaffirmation of ANSI/SIA A92.10-2009)  
  Public Review Date: Aug 1, 2014 | Final Action Date: Dec 17, 2014 | **Approved**

- ANSI/SAIA A92.2-2021, Vehicle-Mounted Elevating and Rotating Aerial Devices  
  (revision of ANSI/SAIA A92.2-2015)  
  PINS Date: May 8, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 28, 2021 | **Approved**

- ANSI/SAIA A92.20-2021, Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs)  
  (revision of ANSI/SAIA A92.20-2020)  
  PINS Date: Dec 18, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Aug 5, 2021 | **Approved**

- ANSI/SAIA A92.22-2021, Safe Use of Mobile Elevating Work Platforms (MEWPs)  
  (revision of ANSI/SAIA A92.22-2020)  
  PINS Date: Dec 18, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Aug 5, 2021 | **Approved**

- ANSI/SAIA A92.24-2018, Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs)  
  (new standard)  
  PINS Date: Apr 16, 2010 | Public Review Date: Mar 24, 2017 | Final Action Date: Nov 20, 2018 | **Approved**

  (new standard)  
  PINS Date: Oct 14, 2005 | Public Review Date: Dec 20, 2013 | Final Action Date: Mar 4, 2014 | **Approved**

- ANSI/SAIA A92.9-2011 (R2017), Standard for Mast-Climbing Work Platforms  
  (reaffirmation of ANSI/SIA A92.9-2011)  
  Public Review Date: Dec 2, 2016 | Final Action Date: Jan 24, 2017 | **Approved**
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### SCTE (Society of Cable Telecommunications Engineers)

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# SCTE (Society of Cable Telecommunications Engineers)

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<td>ANSI/SCTE 126-2019, Test Method for Distortion of 2-way Amplifiers Caused by Insufficient Isolation of Built in Diplex Filter (revision of ANSI/SCTE 126-2013)</td>
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- ANSI/SCTE 149-2019, Test Method for Withstand Tightening Torque - F Female (revision of ANSI/SCTE 149-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jul 15, 2019 | Approved

  - PINS Date: Jul 12, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 7, 2019 | Approved

  - PINS Date: Nov 9, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Jun 26, 2013 | Approved

- ANSI/SCTE 151-2021, Mechanical, Electrical, and Environmental Requirements for RF Traps and Filters (revision of ANSI/SCTE 151-2015)
  - PINS Date: Nov 15, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

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  - PINS Date: Apr 23, 2021 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 7, 2022 | Approved

  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved

  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/SCTE 154-3-2018, Encoder MIB (revision of ANSI/SCTE 154-3-2008)
  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/SCTE 154-4-2018, MPEG Management Information Base SCTE-HMS-MPEG MIB (revision of ANSI/SCTE 154-4-2008)
  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

  - PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/SCTE 155-2021, Indoor F Female to F Female Inline Splice (revision of ANSI/SCTE 155-2017)
  - PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 156-2019, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2016)
  - PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/SCTE 158-2016, Recommended Environmental Condition Ranges for Broadband Communications Equipment (revision of ANSI/SCTE 158-2009)
  - PINS Date: Dec 6, 2013 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

- ANSI/SCTE 159-1-2017, IPCablecom Multimedia - Part 1: Multimedia Application and Service (revision of ANSI/SCTE 159-1-2010)
  - PINS Date: Apr 17, 2015 | Public Review Date: Jun 2, 2017 | Final Action Date: Jul 31, 2017 | Approved

  - PINS Date: Apr 17, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: May 12, 2017 | Approved

  - PINS Date: Dec 2, 2016 | Public Review Date: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved
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- **ANSI/SCTE 200-2016**, Specification for a 75 ohm 'MMCX' Connector (MMCX-75), Male & Female Interface (new standard)
  - PINS Date: Feb 8, 2013 | Public Review Date: Jun 3, 2016 | Final Action Date: Jul 22, 2016 | Approved

- **ANSI/SCTE 201-2018**, Open Media Security (OMS) Root Key Derivation Profiles and Test Vectors (revision of ANSI/SCTE 201-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

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- **ANSI/SCTE 214-3-2015**, MPEG DASH for IP-Based Cable Services Part 3: DASH/FF Profile  (new standard)
  - PINS Date: Mar 20, 2015 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 28, 2015 | Approved

- **ANSI/SCTE 214-4-2018**, MPEG DASH for IP-Based Cable Services Part 4: CIF (Common Interface Format)  (new standard)
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ANSI/SCTE 244-2018, Specification for Braided 75, Micro-Series Quad Shield Coaxial Cable for Connectivity and Dense CCAP/Edge QAM Applications (new standard)
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ANSI/SCTE 249-2018, Test Method Common Mode Disturbance (new standard)
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- ANSI/SCTE 252-2018, Attenuation of Common Mode Filters (new standard)
  PINS Date: Nov 2, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 5, 2019 | Approved
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- ANSI/SCTE 259-01-2020, Enterprise SIP Gateway Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 259-02-2020, PacketCable High Definition Voice Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 259-03-2020, HDV NCS Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 259-04-2020, HDV Provisioning Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 259-05-2020, HDV SIP Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 259-06-2020, HDV SIP Specification (new standard)
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- ANSI/SCTE 259-07-2020, HDV SIP Specification (new standard)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved
- ANSI/SCTE 260-1-2020, DPoE Architecture Specification (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 25, 2021 | Approved
- ANSI/SCTE 260-2-2020, DPoE IP Network Element Requirements (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 25, 2021 | Approved
- ANSI/SCTE 260-3-2020, DPoE Metro Ethernet Forum Specification (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 28, 2021 | Approved
- ANSI/SCTE 260-4-2020, DPoE MAC and Upper Layer Protocols Interface (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 28, 2021 | Approved
- ANSI/SCTE 260-5-2020, DPoE OAM Extensions Specification (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 28, 2021 | Approved
- ANSI/SCTE 260-6-2020, DPoE Operations and Support System Interface Specification (new standard)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 28, 2021 | Approved
- ANSI/SCTE 260-7-2020, DPoE Physical Layer Specification (new standard)
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  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 1, 2021 | Approved
- ANSI/SCTE 264-2021, Broadband Radio Frequency Hardline Taps for Cable Systems (new standard)
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- ANSI/SCTE 267-2021, Optimum Load Shaping for Electric Vehicle and Battery Charging (new standard)
  PINS Date: Oct 16, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 269-2021, Test Procedure for F Port Center Conductor Retention Force (new standard)
  PINS Date: Apr 18, 2008 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 27-2016 (R2021), Subtitling Methods for Broadcast Cable (reaffirmation of ANSI/SCTE 27-2016)
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- ANSI/SCTE 271-2021, Requirements for Power Sensing in Cable and Utility Networks (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/SCTE 272-2021, Standardized Loading for Reverse-Path Bit Error Ratio Testing (new standard)
  PINS Date: Jul 8, 2011 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

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- ANSI/SCTE 29-2018, Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012)
  PINS Date: Dec 2, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

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  PINS Date: Dec 30, 2011 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

- ANSI/SCTE 32-2016 (R2021), Ampacity of Coaxial Telecommunications Cables (reaffirmation of ANSI/SCTE 32-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Apr 17, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

- ANSI/SCTE 34-2016 (R2021), Test Method for Cored Depth Verification (reaffirmation of ANSI/SCTE 34-2016)
  PINS Date: Mar 26, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Oct 11, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

  PINS Date: Jan 29, 2021 | Public Review Date: Mar 5, 2021 | Final Action Date: Apr 20, 2021 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Jun 8, 2018 | Final Action Date: Feb 5, 2019 | Approved
| ANSI/SCTE 38-3-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2012) | PINS Date: Sep 8, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Mar 2, 2018 | Approved |
| ANSI/SCTE 38-4-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2012) | PINS Date: Sep 8, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved |
| ANSI/SCTE 40-2016 (R2021), Digital Cable Network Interface Standard (reaffirmation of ANSI/SCTE 40-2016) | PINS Date: Jan 15, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved |
| ANSI/SCTE 41-2016 (R2021), POD Copy Protection System (reaffirmation of ANSI/SCTE 41-2016) | PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved |
| ANSI/SCTE 42-2019, IP Multicast for Digital MPEG Networks (new standard) | PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved |
SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

  PINS Date: Apr 17, 2015 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 18, 2017 | Approved

- ANSI/SCTE 46-2014 (R2021), Test Method for AC to DC Outdoor Power Supplies (reaffirmation of ANSI/SCTE 46-2014)
  PINS Date: Feb 26, 2021 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

  PINS Date: Aug 16, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

  PINS Date: Sep 14, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Jan 17, 2019 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

- ANSI/SCTE 53-2019, Methods for Asynchronous Data Services Transport (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Nov 15, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

- ANSI/SCTE 56-2016 (R2021), Digital Multiprogram Distribution by Satellite (reaffirmation of ANSI/SCTE 56-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 57-2016 (R2021), System Information for Satellite Distribution of Digital Television for Cable and MMDS (reaffirmation of ANSI/SCTE 57-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Jul 7, 2017 | Final Action Date: Jun 15, 2018 | Approved
SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Mar 26, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/SCTE 62-2018, Measurement Procedure for Noise Figure (revision of ANSI/SCTE 62-2012)
  PINS Date: Dec 9, 2016 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 31, 2018 | Approved

  PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 65-2016 (R2021), Service Information Delivered Out-Of-Band For Digital Cable Television (reaffirmation of ANSI/SCTE 65-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 66-2016, Test Method For Coaxial Cable Impedance (revision of ANSI/SCTE 66-2008)
  PINS Date: Feb 15, 2013 | Public Review Date: Sep 23, 2016 | Final Action Date: Nov 16, 2016 | Approved

  PINS Date: Oct 21, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/SCTE 68-2018, Drop Passives: Matching Transformers 75 Ohm to 300 Ohm (revision of ANSI/SCTE 68-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: May 25, 2018 | Final Action Date: Feb 5, 2019 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

- ANSI/SCTE 73-2018, Test Method for Insertion Force of Connector to Drop Cable Interface (revision of ANSI/SCTE 73-2012)
  PINS Date: Dec 9, 2016 | Public Review Date: Mar 23, 2018 | Final Action Date: May 22, 2018 | Approved

  PINS Date: Oct 14, 2005 | Public Review Date: May 6, 2011 | Final Action Date: Jun 28, 2011 | Approved

- ANSI/SCTE 75-2012, Test Point Accuracy (revision of ANSI/SCTE 75-2002 (R2007))
  PINS Date: Dec 30, 2011 | Public Review Date: May 11, 2012 | Final Action Date: Jul 3, 2012 | Approved

- ANSI/SCTE 77-2017, Specifications for Underground Enclosure Integrity (revision of ANSI/SCTE 77-2013)
  PINS Date: May 1, 2015 | Public Review Date: Nov 10, 2017 | Final Action Date: Jan 17, 2018 | Approved

  PINS Date: Feb 26, 2021 | Public Review Date: May 14, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Feb 5, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 9, 2021 | Approved
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PINS Date: Feb 5, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 9, 2021 | Approved

- ANSI/SCTE 79-3-2017 (R2021), DOCSIS 2.0 + IPv6 Cable Modem Standard (reaffirmation of ANSI/SCTE 79-3-2017)
PINS Date: Feb 5, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 9, 2021 | Approved

PINS Date: Dec 9, 2016 | Public Review Date: Dec 14, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/SCTE 82-2012, Test Method for Low Frequency and Spurious Disturbances (revision of ANSI/SCTE 82-2007)
PINS Date: Feb 17, 2012 | Public Review Date: Nov 9, 2012 | Final Action Date: Jan 23, 2013 | Approved

PINS Date: Jul 14, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 83-4-2017, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE_RF-MIB (revision of ANSI/SCTE 83-4-2009)
PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 84-3-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-FAN-MIB (revision of ANSI/SCTE 84-3-2009)
PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/SCTE 86-2021, SCTE Recommended Optical Fiber Cable Types for Outside Plant Trunk and Distribution Applications (new standard)
PINS Date: Apr 17, 2015 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved
### SCTE (Society of Cable Telecommunications Engineers)

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### SDI (ASC A250) (Steel Door Institute)

- **30200 Detroit Road, Westlake, OH 44145 | w: www.wherryassocsteeldoor.org**

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<td>ANSI A250.11-2012, Recommended Erection Instructions for Steel Frames (new standard)</td>
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SDI (ASC A250) (Steel Door Institute)

- ANSI A250.6-2020, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2015)
  PINS Date: Feb 21, 2020 | Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- ANSI A250.8-2017, Specifications for Standard Steel Doors and Frames (SDI-100) (revision of ANSI A250.8-2014)
  PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 22, 2017 | Approved

- ANSI/BHMA A156.115-2016, Hardware Preparation In Steel Doors And Steel Frames (revision of ANSI/BHMA A156.115-2014)
  PINS Date: Jan 8, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/SDI/BHMA A250.13-2014 (R2018), Testing & Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies for Protection of Building Envelopes (Not applicable for FEMA 320/361 or ICC 500 Shelters) (reaffirmation and redesignation of ANSI A250.13-2014)
  Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

SDI (Canvass) (Steel Deck Institute)

  PINS Date: Jun 16, 2017 | Public Review Date: Dec 4, 2020 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

  PINS Date: Feb 16, 2018 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

- ANSI/SDI C-2017, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI C-2011)
  PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

SERI (Sustainable Electronics Recycling International)

- ANSI/SERI R2-V3-2020, The Sustainable Electronics Reuse & Recycling (R2) Standard (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Dec 20, 2019 | Final Action Date: Jul 10, 2020 | Approved

SIA (Security Industry Association)

  PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 7, 2019 | Approved

SIMA (Snow and Ice Management Association)

- ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 15, 2020 | Approved
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<td>4201 Lafayette Center Drive, Chantilly, VA 20151-1219</td>
<td><a href="http://www.smacna.org">www.smacna.org</a></td>
<td>ANSI/SMACNA 002-2011, Rectangular Industrial Duct Construction Standards (new standard)</td>
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<td>Public Review Date: Apr 22, 2011</td>
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<td>ANSI/SMACNA 006-2020, HVAC Duct Construction Standards - Metal and Flexible (new standard)</td>
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<td>Public Review Date: Aug 31, 2018</td>
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<td>ANSI/SMACNA 007-2016, Residential Comfort System Installation Standards (new standard)</td>
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<td>Public Review Date: Oct 3, 2014</td>
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<td>ANSI/SMACNA 011-2017, Thermoset FRP Duct Construction Manual (new standard)</td>
<td>PINS Date: Jul 29, 2016</td>
<td>Public Review Date: Jan 6, 2017</td>
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SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

- ANSI/SMACNA 022-2015, Phenolic Duct Construction Standards (new standard)
  PINS Date: Jul 25, 2014 | Public Review Date: Jan 2, 2015 | Final Action Date: Feb 12, 2015 | Approved

SPRI (Single Ply Roofing Industry)

  PINS Date: Aug 10, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 25, 2019 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Jun 3, 2019 | Approved

- ANSI/SPRI FX-1-2021, Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners (revision of ANSI/SPRI FX-1-2016)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 1, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: May 31, 2019 | Final Action Date: Jul 25, 2019 | Approved

  PINS Date: Dec 13, 2013 | Public Review Date: Jul 15, 2016 | Final Action Date: Sep 9, 2016 | Approved

  PINS Date: Jul 6, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Oct 31, 2019 | Approved

  PINS Date: Aug 7, 2015 | Public Review Date: Mar 17, 2017 | Final Action Date: May 11, 2017 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 11, 2018 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 6, 2020 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Jan 24, 2017 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Feb 12, 2021 | Final Action Date: Mar 16, 2021 | Approved

  PINS Date: Apr 14, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Oct 25, 2017 | Approved
SVIA (Specialty Vehicle Institute of America)

2 Jenner, Suite 150, Irvine, CA 92618

- ANSI/SVIA 1-2017, Four Wheel All-Terrain Vehicles (revision of ANSI/SVIA 1-2010)
  PINS Date: Jan 1, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Jun 8, 2017 | Approved

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 1006 sp-2010, Testing of fiber glass mats: use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, air permeability, and thickness (new standard)
  PINS Date: Mar 19, 2010 | Public Review Date: Jul 2, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1007 sp-2015, Sample location for fiber glass mat sheets (revision of ANSI/TAPPI T 1007 sp-2010)
  PINS Date: Jul 25, 2014 | Public Review Date: Nov 21, 2014 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods (revision of ANSI/TAPPI T 1008 sp-2010)
  PINS Date: Aug 15, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1009 om-2010, Tensile strength and elongation at break for fiber glass mats (new standard)
  PINS Date: Apr 2, 2010 | Public Review Date: Jul 16, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1010 om-2010, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1010 om-2010)
  PINS Date: Sep 19, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1011 om-2010, Moisture sensitivity of fiber glass mats (new standard)
  PINS Date: Apr 30, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1012 om-2010, Fiber glass mat uniformity (visual defects) (reaffirmation of ANSI/TAPPI T 1012 om-2010)
  PINS Date: Aug 8, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1015 sp-2010 (R2015), Fiber glass mat uniformity (visual defects) (reaffirmation of ANSI/TAPPI T 1015 sp-2010)
  PINS Date: Aug 8, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1016 om-2010, Average fiber diameter of fiber glass mats (new standard)
  PINS Date: May 7, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 1200 sp-2014 (R2020), Interlaboratory evaluation of test methods to determine TAPPI repeatability and reproducibility (reaffirmation of ANSI/TAPPI T 1200 sp-2014)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 1205 sp-2014 (R2020), Dealing with suspect (outlying) test determinations (reaffirmation of ANSI/TAPPI T 1205 sp-2014)
  PINS Date: Oct 12, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 1210 sp-2018, Units of measurement and conversion factors (new standard)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved
ANSI/TAPPI T 1212 sp-2021, Light sources for evaluating papers including those containing fluorescent whitening agents  (revision of ANSI/TAPPI T 1212 sp-2012)
PINS Date: May 13, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

ANSI/TAPPI T 1215 sp-2021, The determination of instrumental color differences  (revision of ANSI/TAPPI T 1215 sp -2012)
PINS Date: Jun 3, 2016 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

ANSI/TAPPI T 1216 sp-2018, Indices for whiteness, yellowness, brightness, and luminous reflectance factor  (revision of ANSI/TAPPI T 1216 sp-2012)
PINS Date: Jun 3, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 12, 2018 | Approved

ANSI/TAPPI T 1217 sp-2012 (R2018), Photometric linearity of optical properties instruments  (reaffirmation of ANSI/TAPPI T 1217 sp-2012)
PINS Date: May 20, 2016 | Public Review Date: Mar 30, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 1218 sp-2012 (R2018), Calibration of reflectance standards for hemispherical geometry  (reaffirmation of ANSI/TAPPI T 1218 sp-2012)
PINS Date: May 20, 2016 | Public Review Date: Apr 13, 2018 | Final Action Date: Dec 31, 2018 | Approved

Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 1501 sg-2018, Training standard for paper machine tender  (new standard)
PINS Date: Sep 25, 2015 | Public Review Date: Aug 10, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 200 sp-2015 (R2021), Laboratory beating of pulp (Valley beater method)  (reaffirmation of ANSI/TAPPI T 200 sp-2015)
PINS Date: May 17, 2019 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

ANSI/TAPPI T 205 sp-2018, Forming handsheets for physical tests of pulp  (new standard)
PINS Date: Jan 19, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 211 om-2012, Ash in wood, pulp, paper and paperboard: combustion at 525 degrees C  (new standard)
PINS Date: May 20, 2011 | Public Review Date: Aug 26, 2011 | Final Action Date: Jun 15, 2012 | Approved

ANSI/TAPPI T 212 om-2012 (R2018), One percent sodium hydroxide solubility of wood and pulp  (reaffirmation of ANSI/TAPPI T 212 om-2012)
Public Review Date: Jan 26, 2018 | Final Action Date: Jun 12, 2018 | Approved

ANSI/TAPPI T 213 om-2010 (R2021), Dirt in pulp – chart method  (reaffirmation of ANSI/TAPPI T 213 om-2010 (R2015))
PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

ANSI/TAPPI T 218 sp-2018, Forming handsheets for reflectance testing of pulp (Bchnner funnel procedure)  (new standard)
PINS Date: Jun 19, 2015 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 220 sp-2010, Physical testing of pulp handsheets  (new standard)
PINS Date: Mar 12, 2010 | Public Review Date: Aug 27, 2010 | Final Action Date: Dec 2, 2010 | Approved

ANSI/TAPPI T 220 sp-2021, Physical testing of pulp handsheets  (new standard)
PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

ANSI/TAPPI T 222 om-2021, Acid insoluble lignin in wood and pulp  (new standard)
PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 1, 2021 | Approved
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<td>Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy</td>
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<td>ANSI/TAPPI T 400 sp-2011</td>
<td>Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (new standard)</td>
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<td>ANSI/TAPPI T 402 sp-2021</td>
<td>Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products (revision of ANSI/TAPPI T 402 sp-2013)</td>
<td>Approved</td>
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<td>ANSI/TAPPI T 403 om-2015</td>
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<td>ANSI/TAPPI T 406 om-2013</td>
<td>Reducible sulfur in paper and paperboard (new standard)</td>
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<td>ANSI/TAPPI T 409 sp-2015</td>
<td>Machine direction of paper and paperboard (new standard)</td>
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<td>ANSI/TAPPI T 410 om-2013 (R2019)</td>
<td>Grammage of paper and paperboard (weight per unit area) (reaffirmation of ANSI/TAPPI T 410 om-2013)</td>
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<td>ANSI/TAPPI T 412 om-2011</td>
<td>Moisture in pulp, paper and paperboard (new standard)</td>
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<td>ANSI/TAPPI T 414 om-2021</td>
<td>Internal tearing resistance of paper (Elmendorf-type method) (new standard)</td>
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<td>ANSI/TAPPI T 419 om-2018</td>
<td>Starch in paper (new standard)</td>
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<td>ANSI/TAPPI T 421 om-2012</td>
<td>Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)</td>
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The data in this document is reported as of Tuesday, February 22, 2022

## TAPPI (Technical Association of the Pulp and Paper Industry)

- **ANSI/TAPPI T 425 om-2011**, Opacity of paper (15/d geometry, illuminant A/2 degrees, 89% reflectance backing and paper backing) (new standard)
  - PINS Date: Feb 12, 2010 | Public Review Date: Jun 3, 2011 | Final Action Date: Nov 11, 2011 | Approved

- **ANSI/TAPPI T 425 om-2021**, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (revision of ANSI/TAPPI T 425 om-2011)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 26, 2021 | Approved

- **ANSI/TAPPI T 428 om-2021**, Hot water extractable acidity or alkalinity of paper (revision of ANSI/TAPPI T 428 om-2013)
  - PINS Date: Aug 14, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved

- **ANSI/TAPPI T 437 om-2012 (R2021)**, Dirt in paper and paperboard (reaffirmation of ANSI/TAPPI T 437 om-2012)
  - PINS Date: Oct 27, 2017 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- **ANSI/TAPPI T 441 om-2020**, Water absorbiveness of sized (nonbibulous) paper, paperboard, and corrugated fiberboard (Cobb test) (revision of ANSI/TAPPI T 441 om-2013)
  - PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | Approved

- **ANSI/TAPPI T 444 sp-2021**, Silver tarnishing by paper and paperboard (revision and redesignation of ANSI/TAPPI T 444 om-2012)
  - PINS Date: Jun 17, 2016 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 1, 2021 | Approved

- **ANSI/TAPPI T 448 om-2021**, Water vapor transmission rate of paper and paperboard at 23 degrees C and 50% RH (new standard)
  - PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 2, 2021 | Approved

- **ANSI/TAPPI T 449 om-2014**, Bacteriological examination of paper and paperboard (new standard)
  - PINS Date: May 6, 2011 | Public Review Date: Jul 11, 2014 | Final Action Date: Jan 13, 2015 | Approved

  - PINS Date: May 17, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- **ANSI/TAPPI T 455 sp-2014 (R2020)**, Identification of wire side of paper (reaffirmation of ANSI/TAPPI T 455 sp-2014)
  - PINS Date: Feb 1, 2019 | Public Review Date: Jun 9, 2020 | Final Action Date: Jun 9, 2020 | Approved

- **ANSI/TAPPI T 456 om-2015, Tensile breaking strength of water-saturated paper and paperboard (wet tensile strength) (new standard)
  - PINS Date: Sep 5, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Apr 6, 2017 | Approved

  - PINS Date: Oct 2, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 1, 2021 | Approved

- **ANSI/TAPPI T 460 om-2011, Air resistance of paper (Gurley method) (new standard)
  - PINS Date: Aug 27, 2010 | Public Review Date: Feb 18, 2011 | Final Action Date: Jun 14, 2011 | Approved

- **ANSI/TAPPI T 460 om-2021**, Air resistance of paper (Gurley method) (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved
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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 464 om-2012 (R2018), Diffuse brightness of paper, paperboard and pulp (d/O) (ultraviolet level D65) (reaffirmation of ANSI/TAPPI T 464 om-2012)
  PINS Date: Jun 3, 2016 | Public Review Date: Dec 8, 2017 | Final Action Date: Jun 12, 2018 | Approved

- ANSI/TAPPI T 465 sp-2010, Static creasing of paper for water vapor transmission tests (new standard)
  PINS Date: Mar 5, 2010 | Public Review Date: Jun 11, 2010 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/TAPPI T 465 sp-2021, Static creasing of paper for water vapor transmission tests (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 476 om-2021, Abrasion loss of paper and paperboard (Taber-type method) (revision of ANSI/TAPPI T 476 om-2011)
  PINS Date: Mar 27, 2020 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 489 om-2015, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2013)
  PINS Date: Apr 18, 2014 | Public Review Date: May 8, 2015 | Final Action Date: May 23, 2017 | Approved

- ANSI/TAPPI T 491 om-2018, Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 494 om-2013, Tensile properties of paper and paperboard (using constant rate of elongation apparatus) (new standard)
  PINS Date: Aug 20, 2010 | Public Review Date: May 17, 2013 | Final Action Date: Dec 20, 2013 | Approved

- ANSI/TAPPI T 496 sp-2013 (R2019), Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials (reaffirmation of ANSI/TAPPI T 496 sp-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 512 sp-2012 (R2021), Creasing of flexible packaging material paper specimens for testing (reaffirmation of ANSI/TAPPI T 512 sp-2012)
  PINS Date: Feb 23, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 515 om-2020, Visual grading and color matching of paper (revision of ANSI/TAPPI T 515 om-2014)
  PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | Approved

- ANSI/TAPPI T 524 om-2013 (R2020), Color Of Paper And Paperboard (45/0, C/2) (reaffirmation of ANSI/TAPPI T 524 om-2013)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 525 om-2012, Diffuse brightness of paper, paperboard and pulp (d/0) -- Ultraviolet level C (new standard)
  PINS Date: Feb 12, 2010 | Public Review Date: Oct 7, 2011 | Final Action Date: Jul 2, 2012 | Approved

- ANSI/TAPPI T 527 om-2013 (R2020), Color of paper and paperboard (d/0, C/2) (reaffirmation of ANSI/TAPPI T 527 om-2013)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved
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<td>ANSI/TAPPI T 560 om-2021</td>
<td>CIE whiteness and tint of paper and paperboard (d/0 geometry, C/2 illuminant/observer) (new standard)</td>
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<td>Bending resistance (stiffness) of paper (Taber-type tester in 0 to 10 Taber stiffness unit configuration) (new standard)</td>
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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 692 om-2013, Determination of suspended solids in kraft green and white liquors (new standard)
  PINS Date: Jul 27, 2012 | Public Review Date: Nov 16, 2012 | Final Action Date: Jun 12, 2013 | Approved

- ANSI/TAPPI T 702 om-2014, Rheological measurements for characterization of polyolefins: Low-density polyethylene (LDPE) for extrusion coating (new standard)
  PINS Date: Mar 28, 2014 | Public Review Date: Sep 19, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ANSI/TAPPI T 802 om-2012, Drop test for fiberboard shipping containers (new standard)
  PINS Date: Jul 29, 2011 | Public Review Date: Dec 9, 2011 | Final Action Date: Jun 18, 2012 | Approved

- ANSI/TAPPI T 804 om-2020, Compression test of fiberboard shipping containers (revision of ANSI/TAPPI T 804 om-2010)
  PINS Date: Jul 31, 2015 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 807 om-2011, Bursting strength of linerboard (new standard)
  PINS Date: Jun 25, 2010 | Public Review Date: Dec 17, 2010 | Final Action Date: Jun 13, 2011 | Approved

  PINS Date: Jan 5, 2018 | Public Review Date: Sep 28, 2018 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/TAPPI T 815 om-2012 (R2018), Coefficient of static friction (slide angle) of packaging and packaging materials (including shipping sack papers, corrugated and solid fiberboard) (inclined plane method) (reaffirmation of ANSI/TAPPI T 815 om-2012)
  Public Review Date: Feb 9, 2018 | Final Action Date: Aug 2, 2018 | Approved

- ANSI/TAPPI T 821 om-2012, Pin adhesion of corrugated board by selective separation (new standard)
  PINS Date: Jan 22, 2010 | Public Review Date: Oct 7, 2011 | Final Action Date: Jun 19, 2012 | Approved

- ANSI/TAPPI T 822 om-2011, Ring crush of paperboard (rigid support method) (new standard)
  PINS Date: May 6, 2011 | Public Review Date: Aug 12, 2011 | Final Action Date: Nov 11, 2011 | Approved

- ANSI/TAPPI T 825 om-2014, Flat crush test of corrugated board (rigid support method) (new standard)
  PINS Date: May 10, 2013 | Public Review Date: Oct 4, 2013 | Final Action Date: Jun 11, 2014 | Approved

- ANSI/TAPPI T 826 om-2021, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 829 om-2021, Score quality test (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 830 om-2018, Ink rub test of containerboard and corrugated board (new standard)
  PINS Date: May 29, 2015 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 10, 2018 | Approved

- ANSI/TAPPI T 831 om-2021, Water absorption of corrugating medium: water drop penetration test (revision of ANSI/TAPPI T 831 om-2014)
  PINS Date: Aug 14, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

  PINS Date: Aug 12, 2011 | Public Review Date: Dec 9, 2011 | Final Action Date: Jun 19, 2012 | Approved

- ANSI/TAPPI T 834 om-2012 (R2018), Determination of containerboard roll hardness (reaffirmation of ANSI/TAPPI T 834 om-2012)
  PINS Date: Jul 29, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: Dec 31, 2018 | Approved
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 835 om-2014, Water absorption of corrugating medium: water drop absorption test (new standard)
  PINS Date: Jul 6, 2012 | Public Review Date: Apr 11, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ANSI/TAPPI T 836 om-2020, Bending stiffness, four point method (revision of ANSI/TAPPI T 836 om-2013)
  PINS Date: Sep 28, 2018 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 3, 2020 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 12, 2018 | Approved

- ANSI/TAPPI T 843 om-2020, Fluted edge crush of corrugating medium (rigid support method) (new standard)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 844 om-2021, Determining construction (nominal basis weight) of corrugated board (new standard)
  PINS Date: Mar 6, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/TAPPI T 845 om-2014 (R2020), Wet pin adhesion of corrugated board by selective separation (reaffirmation of ANSI/TAPPI T 845 om-2014)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 835 om-2014, Water absorption of corrugating medium: water drop absorption test (new standard)
  PINS Date: Jul 6, 2012 | Public Review Date: Apr 11, 2014 | Final Action Date: Jan 13, 2015 | Approved

TCATA (Textile Care Allied Trades Association)

  PINS Date: Jan 29, 2010 | Public Review Date: Feb 5, 2016 | Final Action Date: Mar 24, 2016 | Approved

TCIA (ASC A300) (Tree Care Industry Association)

  PINS Date: Nov 28, 2014 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 | Approved

  PINS Date: Jul 1, 2011 | Public Review Date: Jul 24, 2015 | Final Action Date: Feb 11, 2016 | Approved

  PINS Date: Nov 20, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 10, 2018 | Approved

- ANSI A300 Part 3-2013, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Supplemental Support Systems) (revision of ANSI A300 Part 3-2006)
  PINS Date: Jun 17, 2011 | Public Review Date: Dec 21, 2012 | Final Action Date: May 6, 2013 | Approved

- ANSI A300 Part 4-2014, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 Part 4-2008)
  PINS Date: Jul 1, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 7, 2014 | Approved

- ANSI A300 Part 5-2019, Tree, Shrub and Other Woody Plant Management Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction) (revision of ANSI A300 Part 5-2012)
  PINS Date: Jan 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: May 23, 2019 | Approved
## TCIA (ASC A300) (Tree Care Industry Association)

- ANSI A300 Part 6-2012 (R2018), Tree, Shrub, and Other Woody Plant Management Standard Practices (Planting and Transplanting) (reaffirmation of ANSI A300 Part 6-2012)
  - Public Review Date: Dec 15, 2017 | Final Action Date: May 8, 2018 | Approved

  - PINS Date: Jan 20, 2017 | Public Review Date: Apr 27, 2018 | Final Action Date: Aug 10, 2018 | Approved

  - PINS Date: Jun 15, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Mar 2, 2020 | Approved

  - PINS Date: Nov 20, 2015 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 | Approved

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

- ANSI A108.01-2016, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2013)
  - PINS Date: Apr 11, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

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

- ANSI A108.02-2016, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2013)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- ANSI A108.02-2018, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2016)
  - Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI A108.02-2019, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2016)
  - Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

  - PINS Date: Nov 11, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

- ANSI A108.11-2018, Interior Installation of Cementitious Backer Units (revision of ANSI A108.11-2010 (R2016))
  - PINS Date: Nov 11, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  - PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  - Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  - PINS Date: Aug 14, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved
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### TCNA (ASC A108) (Tile Council of North America)

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<tr>
<td>ANSI A108.5-2021</td>
<td>Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar (revision of ANSI A108.5-2020)</td>
<td>Apr 2, 2021</td>
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TCNA (ASC A108) (Tile Council of North America)

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.10-2014 (R2019), Standard Specifications for Load Bearing, Bonded, Waterproof Membrane for Thin-Set Ceramic Tile and Dimension Stone Installation (reaffirmation of ANSI A118.10-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- ANSI A118.11-2017, Standard Specification for EGP (Exterior Glue Plywood) Modified Dry-Set Mortar (revision of ANSI A118.11-1999 (R2010))
  PINS Date: Aug 1, 2014 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

- ANSI A118.12-2014 (R2019), Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation (reaffirmation of ANSI A118.12-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- ANSI A118.15-2019, Standard Specifications for Improved Modified Dry-Set Cement Mortar (revision of ANSI A118.15-2018)
  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.16-2021, Standard Specifications for Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI A118.3-2021, Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive (revision of ANSI A118.3-2013)
  PINS Date: Jan 12, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A118.4-2019, Standard Specifications for Modified Dry-Set Cement Mortar (revision of ANSI A118.4-2018)
  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.5-1999 (R2021), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation (reaffirmation of ANSI A118.5-1999 (R2016))
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI A118.6-2019, Standard Specifications for Standard Cement Grouts for Tile Installation (revision of ANSI A118.6-2010 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.7-2019, Standard Specifications for High Performance Cement Grouts for Tile Installation (revision of ANSI A118.7-2010 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.8-1999 (R2021), Standard Specifications for Modified Epoxy Emulsion Mortar/Grout (reaffirmation of ANSI A118.8-1999 (R2016))
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved
## Approved American National Standards

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

  
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  PINS Date: Oct 4, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 16, 2017 | Approved

- **ANSI A137.3-2021**, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2017)
  
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

  
  PINS Date: Feb 24, 2012 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  
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  Public Review Date: Jul 9, 2021 | Final Action Date: Oct 15, 2021 | Approved

## TIA (Telecommunications Industry Association)

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

  
  PINS Date: Oct 28, 2016 | Public Review Date: Apr 21, 2017 | Final Action Date: Jun 19, 2017 | Approved

  
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PINS Date: Mar 7, 2014 | Public Review Date: Apr 25, 2014 | Final Action Date: Sep 9, 2014 | Approved

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- ANSI/TIA 102.AAAB-B-2019, 102.AAAB-B Security Services Overview (new standard)
PINS Date: Jul 13, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

PINS Date: Mar 6, 2015 | Public Review Date: Jul 17, 2015 | Final Action Date: Nov 24, 2015 | Approved

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- ANSI/TIA 102.AABC-D-1-2016, Trunking Control Channel Messages Addendum 1 (addenda to ANSI/TIA 102.AABC-D-2015)
PINS Date: Mar 4, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Nov 7, 2016 | Approved

PINS Date: Jul 17, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 15, 2017 | Approved

- ANSI/TIA 102.AABC-D-3-2018, Trunking Control Channel Messages Addendum 3 - Accessory Sensed Emergency (addenda to ANSI/TIA 102.AABC-D-1-2016)
PINS Date: Nov 10, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: May 8, 2018 | Approved

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  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 3, 2016 | Approved

- ANSI/TIA 222-G-3-2014, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 3 (addenda to ANSI/TIA 222-G-2005 (R2012))
  PINS Date: Apr 15, 2011 | Public Review Date: Jul 11, 2014 | Final Action Date: Dec 15, 2014 | Approved

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  Public Review Date: Sep 6, 2019 | Final Action Date: Nov 11, 2019 | Approved

- ANSI/TIA 41.000-E-9-2012, Mobile Application Part (MAP) Introduction (supplement to ANSI/TIA 41.000-E-2004)
  PINS Date: Oct 21, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 41.200-E-2007 (R2012), Mobile Application Part (MAP) - Intersystem Handoff (reaffirmation of ANSI/TIA 41.200-E-2007)
  Public Review Date: Jul 13, 2012 | Final Action Date: Dec 20, 2012 | Approved

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  PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

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  Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

- ANSI/TIA 41.324-E-1 [E]-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction (addenda to ANSI/TIA 41.324-E-2007)
  PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

- ANSI/TIA 41.324-E-2007 (R2013), MOBILE APPLICATION PART (MAP)-VOICE FEATURE SCENARIOS: Calling Number Identification Presentation, Calling Number Identification Restriction (reaffirmation of ANSI/TIA 41.324-E-2007)
  Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

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  PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

- ANSI/TIA 41.328-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Mobile Access Hunting (new standard)
  PINS Date: Jun 15, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

- ANSI/TIA 41.329-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Message Waiting Notification (new standard)
  PINS Date: Jul 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

- ANSI/TIA 41.330-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Password Call Acceptance / Selective Call Acceptance (new standard)
  PINS Date: Oct 5, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved

  PINS Date: Dec 28, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved

  PINS Date: Dec 28, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

  PINS Date: Apr 25, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

  PINS Date: Apr 25, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 9, 2012 | Approved

- ANSI/TIA 41.335-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Name Presentation, Calling Name Restriction (new standard)
  PINS Date: Jul 11, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 9, 2012 | Approved
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**TIA (Telecommunications Industry Association)**

  - Public Review Date: Jun 27, 2014 | Final Action Date: Dec 5, 2014 | Approved

  - PINS Date: May 15, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Dec 3, 2020 | Approved

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  - (identical national adoption of IEC 60793-1-50 and revision of ANSI/TIA 455-160-1996 (R2000))
  - Public Review Date: Jul 4, 2003 | Final Action Date: Aug 26, 2003 | Approved

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# Approved American National Standards

**TIA (Telecommunications Industry Association)**

- ANSI/TIA 455-225-2015, FOTP-225 End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets  
  (identical national adoption of IEC 61745)  
  PINS Date: Dec 12, 2014 | Public Review Date: Feb 13, 2015 | Final Action Date: Aug 11, 2015 | **Approved**

  (new standard)  
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  (identical national adoption of IEC 60793-1-52)  
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  (identical national adoption of IEC-60793-1-52)  
  PINS Date: Jun 26, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Jul 31, 2018 | **Approved**

  (identical national adoption of IEC 61280-2-8)  
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  (identical national adoption of IEC 61280-2-9)  
  PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | **Approved**

  (reaffirmation of ANSI/TIA 455-243-2010)  
  Public Review Date: Dec 5, 2014 | Final Action Date: Feb 24, 2015 | **Approved**

- 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 Revision  
  (revision and redesignation of ANSI/TIA 455-244-2011)  
  PINS Date: Jul 5, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Sep 18, 2020 | **Approved**

  (new standard)  
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- ANSI/TIA 455-31-C-1994 (R2013), Proof Testing Optical Fibers by Tension  
  (reaffirmation of ANSI/TIA 455-31C-1994 (R2005))  
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | **Approved**

- ANSI/TIA 455-33-B-2005 (R2013), FOTP33 - Optical Fiber Cable Tensile Loading and Bending  
  (reaffirmation of ANSI/TIA 455-33B-2005)  
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | **Approved**

- ANSI/TIA 455-35A-1990 (R2008), Fiber Optic Component Dust (Fine Sand)  
  (reaffirmation of ANSI/TIA 455-35A-1990 (R1999))  
  Public Review Date: Sep 14, 2007 | Final Action Date: Apr 18, 2008 | **Approved**

- ANSI/TIA 455-37-A-1993 (R2013), Low or High Temperature Bend Test  
  (reaffirmation of ANSI/TIA 455-37A-1993 (R2005))  
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | **Approved**

- ANSI/TIA 455-39-B-1999 (R2013), Fiber Optic Cable Water Wicking Test  
  (reaffirmation of ANSI/TIA 455-39B-1999 (R2005))  
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | **Approved**
TIA (Telecommunications Industry Association)

- ANSI/TIA 455-3B-2009 (R2014), Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Optic components (reaffirmation of ANSI/TIA 455-3B-2009)
  Public Review Date: Feb 21, 2014 | Final Action Date: Aug 8, 2014 | Approved

  Public Review Date: Mar 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

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  PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 3, 2020 | Approved

- ANSI/TIA 455-78-C-2020, FOTP-82 - Fluid Penetration Test for Fluid-Blocked Fiber Optic Cable (new standard)
  PINS Date: Dec 28, 2018 | Public Review Date: Nov 1, 2019 | Final Action Date: Apr 7, 2020 | Approved

  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved

  PINS Date: Nov 22, 2013 | Public Review Date: Sep 19, 2014 | Final Action Date: Dec 5, 2014 | Approved

- ANSI/TIA 455-87-B-1993 (R2013), Fiber Optic Cable Knot Test (reaffirmation of ANSI/TIA 455-87B-1993 (R2005))
  Public Review Date: Jan 20, 2012 | Final Action Date: Mar 22, 2013 | Approved
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TIA (Telecommunications Industry Association)

- ANSI/TIA 455-95-B-2019, Absolute Optical Power Test for Optical Fibers and Cables (new standard)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Feb 15, 2019 | Approved

- 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)
  PINS Date: Feb 7, 2014 | Public Review Date: Mar 28, 2014 | Final Action Date: Aug 15, 2014 | Approved

- ANSI/TIA 470.000-E-2014, Telecommunications - Telephone Terminal Equipment - Overview of Performance Standards for Analog Telephones (new standard)
  PINS Date: Oct 25, 2013 | Public Review Date: Dec 13, 2013 | Final Action Date: Mar 11, 2014 | Approved

  PINS Date: Nov 4, 2016 | Public Review Date: Oct 20, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/TIA 470.112-2013, Telecommunications – Telephone Terminal Equipment – Transmission Requirements for Wideband Analog Telephones with Handsets (new standard)
  PINS Date: Dec 21, 2012 | Public Review Date: Oct 4, 2013 | Final Action Date: Nov 26, 2013 | Approved

- 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)
  PINS Date: Apr 15, 2016 | Public Review Date: Feb 10, 2017 | Final Action Date: Jun 19, 2017 | Approved

- 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)
  Public Review Date: Oct 30, 2015 | Final Action Date: May 3, 2016 | Approved

  PINS Date: Dec 21, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Dec 2, 2013 | Approved

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

- ANSI/TIA 470.210-F-2016, Telecommunications - Telephone Terminal Equipment - Resistance and Impedance Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.210-E-2013)
  PINS Date: Oct 30, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 16, 2016 | Approved

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

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  PINS Date: Jun 24, 2016 | Public Review Date: Nov 3, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/TIA 4957.000-A-2017, Overview and Architecture for a Field Area Network (revision and redesignation of ANSI/TIA 4957.000-2010)
  PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 6, 2017 | Approved

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  PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 11, 2017 | Approved

  PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 11, 2017 | Approved

- ANSI/TIA 4957.500-2017, Smart Utility Network-Security (new standard)
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  PINS Date: Sep 23, 2011 | Public Review Date: Jul 27, 2012 | Final Action Date: Mar 26, 2013 | Approved

  Public Review Date: Nov 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

- ANSI/TIA 4966-1-2017, Telecommunications Infrastructure Standard for Educational Facilities, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 4966-2014)
  PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved
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<td>ANSI/TIA 570-D-2018, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012)</td>
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<td>ANSI/TIA 571-C-2015, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)</td>
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<td>ANSI/TIA 598-D-1-2018, Optical Fiber Color Coding in Cable, Addendum 1, for Additional Colors for Fibers 13-16 (addenda to ANSI/TIA 598-D-2014)</td>
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TIA (Telecommunications Industry Association)

  PINS Date: Jul 8, 2016 | Public Review Date: Oct 28, 2016 | Final Action Date: Dec 27, 2016 | Approved

  PINS Date: Nov 27, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Jul 8, 2021 | Approved

  PINS Date: Oct 26, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 29, 2019 | Approved

  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

  Public Review Date: Feb 8, 2013 | Final Action Date: May 28, 2013 | Approved

- ANSI/TIA 664-000-B-3-2007 (R2013), Wireless Features Description – Addendum 3 (reaffirmation of ANSI/TIA 664-000-B-3-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 22, 2013 | Approved

- ANSI/TIA 664-100-B-2007 (R2013), Wireless Features Description: Background and Assumptions (reaffirmation of ANSI/TIA 664-100-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 16, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 16, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 22, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-504-B-2007 (R2013), Wireless Features Description: Call Forwarding—No Answer (CFNA) (reaffirmation of ANSI/TIA 664-504-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-505-B-2007 (R2013), Wireless Features Description: Call Forwarding—Unconditional (CFU) (reaffirmation of ANSI/TIA 664-505-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

- ANSI/TIA 664-506-B-2007 (R2013), Wireless Features Description: Call Transfer (CT) (reaffirmation of ANSI/TIA 664-506-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 24, 2013 | Approved

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<td>ANSI/TIA 920.000-B-2015</td>
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<td>ANSI/TIA 920.120-B-2017</td>
<td>Telecommunications - Communications Products - Transmission Requirements for Digital Interface Communications Devices with Speakerphone (new standard)</td>
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<td>Transmission Requirements for Digital Interface Communications Devices with Headsets (new standard)</td>
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TIA (Telecommunications Industry Association)

- ANSI/TIA 942-B-1-2022, Telecommunications Infrastructure Standard for Data Centers  Addendum 1 Edge Data Centers (addenda to ANSI/TIA 942-B-2017)
PINS Date: Jun 26, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 27, 2022 | Approved

PINS Date: Oct 30, 2015 | Public Review Date: Mar 10, 2017 | Final Action Date: Jul 12, 2017 | Approved

- ANSI/TIA 968-B-1-2012 (R2017), Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 1  (reaffirmation of ANSI/TIA 968-B-1-2012)
Public Review Date: Nov 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

- ANSI/TIA 968-B-2-2015, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 2  (supplement to ANSI/TIA 968-B-1-2012)
Public Review Date: Nov 21, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/TIA 968-B-2009 (R2016), Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network  (reaffirmation of ANSI/TIA 968-B-2009)
Public Review Date: Apr 15, 2016 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/TIA 968-B-3-2016, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 3  (addenda to ANSI/TIA 968-B-2009)
PINS Date: Oct 9, 2015 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 23, 2016 | Approved

PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

PINS Date: Dec 7, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 10, 2019 | Approved

Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

TMA (The Monitoring Association)

7918 Jones Branch Drive, Suite 510, McLean, VA  22102 | w: www.csaaul.org

PINS Date: Jul 11, 2008 | Public Review Date: Oct 23, 2015 | Final Action Date: Jul 27, 2016 | Approved
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**TMA (The Monitoring Association)**
  - PINS Date: Oct 5, 2018 | Public Review Date: Nov 1, 2019 | Final Action Date: Jul 23, 2020 | Approved

**TNI (The NELAC Institute)**
- ANSI/FSMO-V1-2016, General Requirements for Field Sampling and Measurement Organizations (new standard)
  - PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved
- ANSI/FSMO-V2-2016, General Requirements for Accreditation Bodies Accrediting Field Sampling and Measurement Organizations (new standard)
  - PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved
- ANSI/TNI EL-V1-2016, Management and Technical Requirements for Laboratories performing Environmental Analysis (revision of ANSI/TNI EL-V1-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Dec 6, 2016 | Approved
- ANSI/TNI EL-V1M4-2018, Management and Technical Requirements for Laboratories performing Environmental Analysis, Module 4: Quality Systems for Chemical Testing (revision and redesignation of ANSI/TNI EL-V4-2016)
  - PINS Date: Mar 24, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved
- ANSI/TNI EL-V2-2016, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories (revision of ANSI/TNI EL-V2-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved
- ANSI/TNI EL-V3-2016, General Requirements for Environmental Proficiency Test Providers (revision of ANSI/TNI EL-V3-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved

**TOY-TIA (Toy Industry Association)**
  - PINS Date: Aug 6, 2010 | Public Review Date: Aug 31, 2012 | Final Action Date: Nov 26, 2012 | Approved

**TPI (Truss Plate Institute)**
  - PINS Date: Jul 2, 2010 | Public Review Date: Oct 25, 2013 | Final Action Date: Aug 27, 2014 | Approved

**UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)**
- ANSI B7.1-2017, Safety Requirements for the Use, Care and Protection of Abrasive Wheels (revision of ANSI B7.1-2010)
  - PINS Date: Sep 21, 2012 | Public Review Date: Sep 8, 2017 | Final Action Date: Oct 25, 2017 | Approved
- ANSI B7.7-2003 (R2019), Safety Requirements for Abrading Materials with Coated Abrasive Systems (reaffirmation of ANSI B7.7-2003 (R2011))
  - PINS Date: Oct 12, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 23, 2019 | Approved
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UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

- ANSI B74.3-2003 (R2014), Specifications for Shapes and Sizes of Diamond or CBN Abrasive Products (reaffirmation of ANSI B74.3-2003 (R2009))
  Public Review Date: Feb 21, 2014 | Final Action Date: Oct 27, 2014 | Approved

- ANSI B74.4-1992 (R2019), Procedure for Bulk Density of Abrasive Grains (reaffirmation of ANSI B74.4-1992 (R2013))
  PINS Date: Oct 12, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 17, 2019 | Approved

UL (Underwriters Laboratories)

  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 27, 2016 | Approved

- ANSI/AAMI/UL 2800-1-2019, Standard for Safety for Medical Device Interoperability (new standard)
  PINS Date: May 2011, 2013 | Public Review Date: Sep 21, 2018 | Final Action Date: Feb 25, 2019 | Approved

- ANSI/ISA 12.10.02 (IEC 61241-0-2006) (R2015), Electrical Apparatus for Use in Zone 20, Zone 21, and Zone 22 Hazardous (Classified) Locations - General Requirements (reaffirm a national adoption ANSI/ISA 12.10.02 (IEC 61241-0-2006) (R2011))
  Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- ANSI/ISA 60079-0 (12.00.01)-2013, Explosive Atmospheres - Part 0: Equipment - General Requirements (national adoption of IEC 60079-0 with modifications and revision of ANSI/ISA 60079-0 (12.00.01)-2009)
  PINS Date: Jun 29, 2012 | Public Review Date: Apr 5, 2013 | Final Action Date: Jul 26, 2013 | Approved

  Public Review Date: May 31, 2013 | Final Action Date: Aug 9, 2013 | Approved

- ANSI/ISA 60079-10-1-2014, Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres (national adoption with modifications of IEC 60079-10-1)
  PINS Date: Jul 12, 2013 | Public Review Date: Apr 4, 2014 | Final Action Date: Aug 15, 2014 | Approved

- ANSI/ISA 60079-10-2 (12.10.05)-2013, Explosive Atmospheres - Part 10-2: Classification of areas - Combustible dust atmospheres (national adoption of IEC 60079-10-2 with modifications and revision of ANSI/ISA 12.10.05 (IEC 61241-10 Mod)-2004)
  PINS Date: Apr 9, 2010 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 13, 2013 | Approved

  PINS Date: May 3, 2013 | Public Review Date: Jan 17, 2014 | Final Action Date: Mar 28, 2014 | Approved

  PINS Date: Feb 11, 2011 | Public Review Date: Aug 24, 2012 | Final Action Date: Feb 15, 2013 | Approved

- ANSI/ISA 60079-18 (12.23.01)-2012, Explosive atmospheres - Part 18: Equipment protection by encapsulation "m" (national adoption of IEC 60079-18 with modifications and revision of ANSI/ISA-60079-18 (12.23.01)-2009)
  Public Review Date: Jan 27, 2012 | Final Action Date: Sep 14, 2012 | Approved

  PINS Date: Feb 8, 2013 | Public Review Date: May 17, 2013 | Final Action Date: Aug 21, 2013 | Approved
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- **ANSI/ISA 60079-6 (12.00.05)-2009 (R2013), Explosive atmospheres - Part 6: Equipment protection by oil-immersion "o" (reaffirm a national adoption ANSI/ISA 60079-6 (12.00.05)-2009)**
  - Public Review Date: Sep 6, 2013 | Final Action Date: Nov 22, 2013 | Approved

- **ANSI/ISA 60079-7 (12.16.01)-2008 (R2013), Explosive Atmospheres - Part 7: Equipment protection by increased safety "e" (reaffirm a national adoption ANSI/ISA 60079-7 (12.16.01)-2008)**
  - Public Review Date: Dec 14, 2012 | Final Action Date: May 31, 2013 | Approved

- **ANSI/ISA 61010-2-030-2012 (82.02.03), Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-030: Particular requirements for testing and measuring circuits (national adoption with modifications of IEC 61010-2-030)**
  - PINS Date: Dec 30, 2011 | Public Review Date: Feb 10, 2012 | Final Action Date: May 11, 2012 | Approved

- **ANSI/ISA 61241-1 (12.10.03)-2007 (R2015), Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Enclosures "tD" (reaffirm a national adoption ANSI/ISA 61241-1 (12.10.03)-2007 (R2011))**
  - Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- **ANSI/ISA 61241-11 (12.10.04)-2007 (R2015), Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "iD" (reaffirm a national adoption ANSI/ISA 61241-11 (12.10.04)-2007 (R2011))**
  - Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- **ANSI/ISA 61241-18 (12.10.07)-2007 (R2015), Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "mD" (reaffirm a national adoption ANSI/ISA 61241-18 (12.10.07)-2007 (R2011))**
  - Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- **ANSI/ISA 61241-2 (12.10.06)-2007 (R2015), Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Pressurization "pD" (reaffirm a national adoption ANSI/ISA 61241-2 (12.10.06)-2007 (R2011))**
  - Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

  - Public Review Date: May 12, 2017 | Final Action Date: Aug 17, 2017 | Approved

  - Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved

- **ANSI/UL 100-2012 (R2016), Standard for Safety for Sustainability for Gypsum Boards and Panels (reaffirmation of ANSI/UL 100-2012)**
  - Public Review Date: Aug 12, 2016 | Final Action Date: Oct 10, 2016 | Approved

  - Public Review Date: Mar 25, 2016 | Final Action Date: Jun 20, 2016 | Approved

  - Public Review Date: Aug 26, 2016 | Final Action Date: Mar 6, 2017 | Approved

  - Public Review Date: Nov 18, 2016 | Final Action Date: Mar 6, 2017 | Approved
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UL (Underwriters Laboratories)

- ANSI/UL 1004-7-2017, Standard for Safety for Electronically Protected Motors (proposal dated 8-11-17) (revision of ANSI/UL 1004-7-2016)
  Public Review Date: Aug 11, 2017 | Final Action Date: Oct 2, 2017 | Approved

- ANSI/UL 1004-8-2009 (R2018), Standard for Safety for Inverter Duty Motors (reaffirmation of ANSI/UL 1004-8-2009 (R2014))
  Public Review Date: Sep 28, 2018 | Final Action Date: Dec 6, 2018 | Approved

  Public Review Date: Jan 29, 2021 | Final Action Date: Mar 18, 2021 | Approved

- ANSI/UL 1008-2015, Standard for Safety for Transfer Switch Equipment (revision of ANSI/UL 1008-2014b)
  Public Review Date: May 22, 2015 | Final Action Date: Oct 15, 2015 | Approved

  Public Review Date: Jan 19, 2018 | Final Action Date: Sep 14, 2019 | Approved

  Public Review Date: Jun 15, 2018 | Final Action Date: Sep 14, 2018 | Approved

  Public Review Date: May 27, 2016 | Final Action Date: Sep 5, 2017 | Approved

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  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 2, 2018 | Approved

  Public Review Date: Oct 4, 2019 | Final Action Date: Dec 13, 2019 | Approved

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

  Public Review Date: Apr 14, 2017 | Final Action Date: Sep 15, 2017 | Approved

  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved
UL (Underwriters Laboratories)

  Public Review Date: Mar 17, 2017 | Final Action Date: Sep 1, 2017 | Approved

- ANSI/UL 1023-2017a, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2013a)
  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 1, 2017 | Approved

  Public Review Date: Feb 5, 2021 | Final Action Date: May 20, 2021 | Approved

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- ANSI/UL 1026-2016c, Standard for Safety for Electric Household Cooking and Food Serving Appliances (Proposals dated 4/15/16) (revision of ANSI/UL 1026)
  Public Review Date: Apr 15, 2016 | Final Action Date: Aug 1, 2016 | Approved

  Public Review Date: Nov 4, 2016 | Final Action Date: Apr 10, 2017 | Approved

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  Public Review Date: Dec 22, 2017 | Final Action Date: Feb 2, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Jul 17, 2018 | Approved

  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 6, 2019 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Feb 2, 2021 | Approved

  Public Review Date: Jan 29, 2021 | Final Action Date: Mar 19, 2021 | Approved

- ANSI/UL 1029-2012 (R2017), Standard for Safety for High-Intensity-Discharge Lamp Ballasts (reaffirmation of ANSI/UL 1029-2012)
  Public Review Date: Mar 17, 2017 | Final Action Date: May 17, 2017 | Approved
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- ANSI/UL 1069-2017, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2016)
  Public Review Date: Mar 10, 2017 | Final Action Date: May 26, 2017 | Approved

  Public Review Date: Apr 27, 2018 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: Nov 30, 2018 | Final Action Date: Apr 26, 2019 | Approved

- ANSI/UL 1069-2020, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2019)
  Public Review Date: Nov 22, 2019 | Final Action Date: Apr 23, 2020 | Approved

- ANSI/UL 1069-2022, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2020)
  Public Review Date: Dec 24, 2021 | Final Action Date: Feb 17, 2022 | Approved

  Public Review Date: Mar 30, 2018 | Final Action Date: May 30, 2018 | Approved

  Public Review Date: Jan 17, 2020 | Final Action Date: Mar 12, 2020 | Approved

- ANSI/UL 1076-2016 (R2021), Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (reaffirmation of ANSI/UL 1077-2016)
  Public Review Date: Sep 3, 2021 | Final Action Date: Nov 16, 2021 | Approved

  Public Review Date: Feb 3, 2017 | Final Action Date: May 26, 2017 | Approved

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- **ANSI/UL 1083-2016b, Standard for Safety for Household Electric Skillets and Frying-Type Appliances, Proposals**
  - Dated 8/5/16 (revision of ANSI/UL 1083-2016)
  - Public Review Date: Aug 5, 2016 | Final Action Date: Oct 4, 2016 | Approved

- **ANSI/UL 1086-2016, Standard for Safety for Household Trash Compactors**
  - (revision of ANSI/UL 1086-2015)
  - Public Review Date: Jun 17, 2016 | Final Action Date: Aug 15, 2016 | Approved

  - (revision of ANSI/UL 1088-2015)
  - Public Review Date: Jul 27, 2018 | Final Action Date: Jan 28, 2019 | Approved

  - (reaffirmation of ANSI/UL 109-2009 (R2013))
  - Public Review Date: Oct 20, 2017 | Final Action Date: Jan 11, 2018 | Approved

  - (revision of ANSI/UL 109-2009 (R2018))
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 30, 2020 | Approved

- **ANSI/UL 1090-2016, Standard for Safety for Electric Snow Blowers**
  - (revision of ANSI/UL 1090-2012)
  - Public Review Date: Jun 24, 2016 | Final Action Date: Oct 5, 2016 | Approved

- **ANSI/UL 1090-2016 (R2019), Standard for Safety for Electric Snow Movers**
  - (reaffirmation of ANSI/UL 1090-2016)
  - Public Review Date: Aug 16, 2019 | Final Action Date: Oct 18, 2019 | Approved

  - (revision of ANSI/UL 1090-2016)
  - Public Review Date: May 19, 2017 | Final Action Date: Sep 20, 2017 | Approved

- **ANSI/UL 1090-2017a, Standard for Safety for Electric Snow Movers**
  - (revision of ANSI/UL 1090-2016)
  - Public Review Date: Aug 18, 2017 | Final Action Date: Sep 20, 2017 | Approved

- **ANSI/UL 1090-2020, Standard for Safety for Electric Snow Movers**
  - (revision of ANSI/UL 1090-2019)
  - Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | Approved

  - (reaffirmation of ANSI/UL 1097-2012 (R2016))
  - Public Review Date: Oct 29, 2021 | Final Action Date: Dec 16, 2021 | Approved

- **ANSI/UL 10A-2009a (R2018), Standard for Tin-Clad Fire Doors**
  - (reaffirmation of ANSI/UL 10A-2009a (R2013))
  - Public Review Date: Jun 1, 2018 | Final Action Date: Jul 20, 2018 | Approved

- **ANSI/UL 10B-2015 (R2020), Standard for Fire Tests of Door Assemblies**
  - (reaffirmation of ANSI/UL 10B-2015)
  - Public Review Date: Jan 3, 2020 | Final Action Date: May 4, 2020 | Approved

- **ANSI/UL 10C-2016 (R2021), Standard for Positive Pressure Fire Tests of Door Assemblies**
  - (reaffirmation of ANSI/UL 10C-2016)
  - Public Review Date: Feb 12, 2021 | Final Action Date: May 27, 2021 | Approved

  - (revision of ANSI/UL 10D-2014)
  - Public Review Date: Mar 10, 2017 | Final Action Date: Sep 29, 2017 | Approved

  - (revision of ANSI/UL 10D-2014)
  - Public Review Date: Aug 4, 2017 | Final Action Date: Sep 29, 2017 | Approved

- **ANSI/UL 110-2017, Standard for Sustainability for Mobile Phones**
  - (new standard)
  - PINS Date: Jul 30, 2010 | Public Review Date: Feb 17, 2017 | Final Action Date: Mar 24, 2017 | Approved
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  Public Review Date: Jan 26, 2018 | Final Action Date: Sep 28, 2018 | Approved

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- ANSI/UL 1175-2020, Standard for Buoyant Cushions (revision of ANSI/UL 1175-2010 (R2014))
  Public Review Date: Oct 4, 2019 | Final Action Date: Jan 10, 2020 | Approved

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- ANSI/UL 1180-2021, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2020)
  Public Review Date: Mar 26, 2021 | Final Action Date: May 27, 2021 | Approved

  Public Review Date: Mar 31, 2017 | Final Action Date: Jan 16, 2018 | Approved

- ANSI/UL 1191-2018a, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2013)
  Public Review Date: Dec 1, 2017 | Final Action Date: Jan 16, 2018 | Approved

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- ANSI/UL 120002-2009 (R2014), Certificate Standard for AEx Equipment for Hazardous (Classified) Locations
  (Proposal dated 06-27-14) (reaffirmation and redesignation of ANSI/ISA 12.00.02-2009)
  Public Review Date: Jun 27, 2014 | Final Action Date: Aug 29, 2014 | Approved
## ANSI/UL 1201-2016, Standard for Sensor Operated Backwater Prevention System (new standard)
PINS Date: Apr 17, 2015 | Public Review Date: Jun 10, 2016 | Final Action Date: Dec 14, 2016 | Approved

## ANSI/UL 1201-2016a, Standard for Sensor Operated Backwater Prevention System (new standard)
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## ANSI/UL 120101-2019, Standard for Safety for Definitions and Information Pertaining to Electrical Equipment in Hazardous Locations (revision and redesignation of ANSI/ISA 12.01.01-2013)
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## ANSI/UL 120202-2014 (R2017), Standard for Safety for Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (Proposal dated 04-28-17) (reaffirmation and redesignation of ANSI/ISA 12.02.02-2014)
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## ANSI/UL 1204-2018, Standard for Safety for Parts Cleaners (new standard)
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Public Review Date: Jul 28, 2017 | Final Action Date: Oct 3, 2017 | Approved
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  Public Review Date: Feb 1, 2019 | Final Action Date: Mar 25, 2019 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Sep 14, 2021 | Approved

- ANSI/UL 12402-4-2020, Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 — Safety requirements (national adoption with modifications of ISO 12402-4)
  PINS Date: Oct 9, 2015 | Public Review Date: Sep 13, 2019 | Final Action Date: Jul 9, 2020 | Approved

  Public Review Date: Oct 27, 2017 | Final Action Date: Aug 9, 2019 | Approved

- ANSI/UL 12402-5-2019a, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015)
  Public Review Date: May 11, 2018 | Final Action Date: Aug 9, 2019 | Approved

- ANSI/UL 12402-5-2019b, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2015)
  Public Review Date: Oct 26, 2018 | Final Action Date: Aug 9, 2019 | Approved

- ANSI/UL 12402-5-2021, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (revision of ANSI/UL 12402-5-2019)
  Public Review Date: Nov 13, 2020 | Final Action Date: Mar 30, 2021 | Approved

- ANSI/UL 12402-5-2022, Standard for Personal Flotation Devices - Part 5: Buoyancy Aids (Level 50) - Safety Requirements (October 8, 2021) (national adoption of ISO 12402-5 with modifications and revision of ANSI/UL 12402-5-2021)
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 27, 2022 | Approved
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  Public Review Date: Sep 11, 2020 | Final Action Date: Feb 11, 2021 | Approved

  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 18, 2022 | Approved

  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 14, 2019 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jun 25, 2018 | Approved

- ANSI/UL 1242-2020, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2018)
  Public Review Date: Apr 10, 2020 | Final Action Date: Aug 21, 2020 | Approved

  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 17, 2019 | Approved

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

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

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

  Public Review Date: Jan 24, 2020 | Final Action Date: Jul 6, 2020 | Approved

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

- ANSI/UL 1254-2017, Standard for Pre-Engineered Dry Chemical Extinguishing System Units (revision of ANSI/UL 1254-2016)
  Public Review Date: Jul 28, 2017 | Final Action Date: Sep 7, 2017 | Approved

  Public Review Date: Jul 13, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/UL 1254-2018a, Standard for Safety for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (revision of ANSI/UL 1254-2017)
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- ANSI/UL 1277-2021a, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2021)
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  Public Review Date: Jun 9, 2017 | Final Action Date: Sep 14, 2017 | Approved

- ANSI/UL 1278-2017a, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2016)
  Public Review Date: Aug 4, 2017 | Final Action Date: Sep 14, 2017 | Approved

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

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- ANSI/UL 1278-2022, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2020)
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- **ANSI/UL 1384-2021, Standard for Water-Based Automatic Extinguisher Units** (revision of ANSI/UL 1384-2017)
  - Public Review Date: Jun 18, 2021 | Final Action Date: Sep 28, 2021 | Approved

- **ANSI/UL 1389-2019, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations** (new standard)
  - PINS Date: Nov 30, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Nov 25, 2019 | Approved

  - Public Review Date: Jul 17, 2020 | Final Action Date: Oct 13, 2020 | Approved

- **ANSI/UL 1389-2021, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations** (revision of ANSI/UL 1389-2020)
  - Public Review Date: Jun 25, 2021 | Final Action Date: Nov 15, 2021 | Approved

- **ANSI/UL 140-2008 (R2018), Standard for Safety for Relocking Devices for Safes and Vaults** (reaffirmation of ANSI/UL 140-2008 (R2012))
  - Public Review Date: May 11, 2018 | Final Action Date: Jul 6, 2018 | Approved

- **ANSI/UL 141-2011 (R2016), Standard for Safety for Garment Finishing Appliances** (proposal dated 6-17-16)
  - (reaffirmation of ANSI/UL 141-2011a)
  - Public Review Date: Jun 17, 2016 | Final Action Date: Aug 17, 2016 | Approved

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  - Public Review Date: Jun 3, 2016 | Final Action Date: Jul 28, 2016 | Approved

- **ANSI/UL 1413-2012 (R2016), Standard for Safety for High-Voltage Components for Television-Type Appliances** (reaffirmation of ANSI/UL 1413-2012)
  - Public Review Date: Sep 16, 2016 | Final Action Date: Nov 1, 2016 | Approved

- **ANSI/UL 1416-2012 (R2022), Standard for Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances** (reaffirmation of ANSI/UL 1416-2012)
  - Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

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- **ANSI/UL 1419-2011 (R2016), Standard for Safety for Professional Video and Audio Equipment** (reaffirmation of ANSI/UL 1419-2011)
  - Public Review Date: Mar 11, 2016 | Final Action Date: Apr 27, 2016 | Approved

- **ANSI/UL 1419-2021, Standard for Safety for Professional Video and Audio Equipment** (reaffirmation and redesignation of ANSI/UL 2021-2016)
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ANSI/UL 142-2019a, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)  
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ANSI/UL 142-2019b, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)  
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ANSI/UL 142-2021, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2019)  
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ANSI/UL 1426-2010 (R2020), Standard for Safety for Electrical Cables for Boats  (reaffirmation of ANSI/UL 1426-2010 (R2015))  
Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

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ANSI/UL 142A-2018a, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids  (new standard)  
PINS Date: Dec 6, 2013 | Public Review Date: Mar 16, 2018 | Final Action Date: May 24, 2018 | Approved

ANSI/UL 142A-2021, Standard for Safety for Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids  (revision of ANSI/UL 142A-2018)  
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ANSI/UL 144-2019, Standard for Safety for LP-Gas Regulators  (revision of ANSI/UL 144-2014)  
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- ANSI/UL 144-2021a, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2019)
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- ANSI/UL 1441-2005 (R2018), Standard for Coated Electrical Sleeveing (reaffirmation of ANSI/UL 1441-2005 (R2013))
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- ANSI/UL 1441-2021, Standard for Coated Electrical Sleeveing (revision of ANSI/UL 1441-2005 (R2018))
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<td>ANSI/UL 147B-2016, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane</td>
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<td>ANSI/UL 1480-2016, Standard for Safety for Speakers for Fire Alarm and Signaling Systems, Including Accessories</td>
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- ANSI/UL 14C-2008a (R2021), Standard for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs (reaffirmation of ANSI/UL 14C-2008a (R2017))
  Public Review Date: Aug 13, 2021 | Final Action Date: Oct 1, 2021 | Approved

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- ANSI/UL 15027-2-2020, Standard for Immersion suits — Part 2: Abandonment suits, requirements including safety (national adoption with modifications of ISO 15027-2)
  PINS Date: Oct 9, 2015 | Public Review Date: Nov 29, 2019 | Final Action Date: Jul 27, 2020 | Approved

- ANSI/UL 15027-3-2020, Standard for Immersion suits - Part 3: Test methods (national adoption with modifications of ISO 15027-3)
  PINS Date: Oct 9, 2015 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 8, 2020 | Approved

- ANSI/UL 1517-2012 (R2021), Standard for Hybrid Personal Flotation Devices (September 3, 2021) (reaffirmation of ANSI/UL 1517-2012 (R2017))
  Public Review Date: Sep 3, 2021 | Final Action Date: Oct 28, 2021 | Approved

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- ANSI/UL 154-2021, Standard for Carbon-Dioxide Fire Extinguishers (revision of ANSI/UL 154-2009 (R2019))
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<td>ANSI/UL 1569-2016</td>
<td>Standard for Safety for Metal-Clad Cables</td>
<td>Apr 22, 2016</td>
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### ANSI/UL 1598-2018b, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2012)
- Public Review Date: May 18, 2018 | Final Action Date: Aug 28, 2018 | Approved

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### ANSI/UL 1598B-2020, Standard for Safety for Supplemental Requirements for Luminaire Reflector Kits for Installation on Previously Installed Fluorescent Luminaires (revision of ANSI/UL 1598B-2014 (R2020))
- Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved

### ANSI/UL 1598C-2016, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2014)
- Public Review Date: Oct 7, 2016 | Final Action Date: Nov 17, 2016 | Approved

- Public Review Date: May 26, 2017 | Final Action Date: Jul 12, 2017 | Approved

### ANSI/UL 1602-2011 (R2017), Standard for Safety for Gasoline-Engine-Powered, Rigid-Cutting-Member Edgers and Edger Trimmers (reaffirmation of ANSI/UL 1602-2011)
- Public Review Date: Dec 2, 2016 | Final Action Date: Jan 20, 2017 | Approved

### ANSI/UL 1618-2009 (R2018), Standard for Safety for Wall Protectors, Floor Protectors, and Hearth Extensions (reaffirmation of ANSI/UL 1618-2009 (R2013))
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### ANSI/UL 1637-2017, Standard for Safety for Home Health Care Signaling Equipment (revision of ANSI/UL 1637-2016)
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- ANSI/UL 1640-2016a, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2016)
  
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- ANSI/UL 1640-2016b, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2016)
  
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- ANSI/UL 1647-2016, Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2015)
  
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- ANSI/UL 1655-2009a (R2020), Standard for Community-Antenna Television Cables (reaffirmation of ANSI/UL 1655-2009a (R2014))
  Public Review Date: Nov 1, 2019 | Final Action Date: Mar 11, 2020 | Approved

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- ANSI/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 Date: Jul 9, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/UL 1676-2013 (R2017), Standard for Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013)
  Public Review Date: Apr 7, 2017 | Final Action Date: May 30, 2017 | Approved

- ANSI/UL 1678-2016c, Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2017)
  Public Review Date: Jun 3, 2016 | Final Action Date: Mar 24, 2017 | Approved

- ANSI/UL 1681-2012 (R2020), Standard for Safety for Wiring Device Configurations (reaffirmation of ANSI/UL 1681-2012 (R2016))
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

- ANSI/UL 1682-2017, Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013)
  Public Review Date: May 6, 2016 | Final Action Date: Feb 15, 2017 | Approved
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- ANSI/UL 1682-2017a, Standard for Safety for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013)
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- ANSI/UL 1690-2006 (R2020), Standard for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2015))
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- ANSI/UL 1696-2021, Standard for Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2015)
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- ANSI/UL 1703-2016a, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2015)
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- ANSI/UL 1703-2017, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
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- ANSI/UL 1703-2017a, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
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- ANSI/UL 1703-2017b, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
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- ANSI/UL 1703-2017c, Standard for Flat-Plate Photovoltaic Modules and Panels (revision of ANSI/UL 1703-2016)
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- ANSI/UL 1773-2018a, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2016)
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- ANSI/UL 1773-2018b, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2016)
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- ANSI/UL 1776-2019, Standard for Safety for High-Pressure Cleaning Machines (revision of ANSI/UL 1776-2013a)
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- ANSI/UL 180-2017, Standard for Liquid-Level Gauges for Oil Burner Fuels and Other Combustible Liquids (revision of ANSI/UL 180-2012)
  Public Review Date: Mar 10, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/UL 180-2019, Standard for Liquid Level Gauges, Level Indicators and Aboveground Piping for Combustible Liquids (new standard)
  Public Review Date: Jun 29, 2018 | Final Action Date: Mar 15, 2019 | Approved

- ANSI/UL 180-2019a, Standard for Liquid Level Gauges, Level Indicators and Aboveground Piping for Combustible Liquids (new standard)
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- ANSI/UL 1803-2012 (R2021), Standard for Factory Follow-Up on Third Party Certified Portable Fire Extinguishers (October 8, 2021) (reaffirmation of ANSI/UL 1803-2012 (R2017))
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- ANSI/UL 1839-2021a, Standard for Safety for Automotive Battery Booster Cables  (revision of ANSI/UL 1839-2021)
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- ANSI/UL 1863-2012 (R2016), Standard for Safety for Communications-Circuit Accessories  (reaffirmation of ANSI/UL 1863-2004 (R2012))
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- ANSI/UL 1863-2019, Standard for Communications-Circuit Accessories  (revision of ANSI/UL 1863-2012 (R2016))
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- ANSI/UL 193-2016 (R2021), Standard for Alarm Valves for Fire-Protection Service  (reaffirmation of ANSI/UL 193 -2016)
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- ANSI/UL 199-2020, Standard for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2013 (R2017))
  Public Review Date: Oct 18, 2019 | Final Action Date: Apr 28, 2020 | Approved

  Public Review Date: Feb 5, 2016 | Final Action Date: Apr 15, 2016 | Approved

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<td>Public Review Date: Sep 9, 2016</td>
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- **ANSI/UL 2127-2019**, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of)
  - Public Review Date: Nov 9, 2018 | Final Action Date: Oct 21, 2019 | Approved

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- **ANSI/UL 2127-2021**, Standard for Inert Gas Clean Agent Extinguishing System Units (September 10, 2021) (revision of BSR/UL 2127-202x)
  - Public Review Date: Sep 10, 2021 | Final Action Date: Nov 30, 2021 | Approved

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  - Public Review Date: Dec 15, 2017 | Final Action Date: Feb 15, 2018 | Approved

  - Public Review Date: Feb 22, 2019 | Final Action Date: Jul 12, 2019 | Approved

  - Public Review Date: Apr 10, 2020 | Final Action Date: Jul 29, 2020 | Approved

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

  - Public Review Date: Feb 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

  - Public Review Date: Jul 24, 2015 | Final Action Date: Nov 2, 2015 | Approved

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  Public Review Date: Apr 16, 2021 | Final Action Date: Jul 30, 2021 | Approved

  Public Review Date: Feb 24, 2017 | Final Action Date: Apr 13, 2017 | Approved

- ANSI/UL 2158A-2021, Standard for Clothes Dryer Transition Duct (revision of ANSI/UL 2158A-2013 (R2017))
  Public Review Date: Jul 23, 2021 | Final Action Date: Oct 11, 2021 | Approved

- ANSI/UL 2162-2014 (R2019), Standard for Commercial Wood-fired Baking Ovens - Refractory Type (reaffirmation of ANSI/UL 2162-2014)
  Public Review Date: May 17, 2019 | Final Action Date: Jul 22, 2019 | Approved

- ANSI/UL 2166-2017, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2016)
  Public Review Date: Sep 9, 2016 | Final Action Date: May 10, 2017 | Approved

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- ANSI/UL 2166-2020a, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2015)
  Public Review Date: Mar 20, 2020 | Final Action Date: Sep 2, 2020 | Approved

- ANSI/UL 2166-2021, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2020)
  Public Review Date: Feb 5, 2021 | Final Action Date: Mar 12, 2021 | Approved
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- ANSI/UL 2272-2016a, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard)
  PINS Date: Jan 22, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Nov 21, 2016 | Approved

  Public Review Date: Jul 8, 2016 | Final Action Date: Oct 5, 2016 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 28, 2019 | Approved

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- ANSI/UL 231-2021, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2020)
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  Public Review Date: Mar 13, 2020 | Final Action Date: Jun 10, 2020 | Approved

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- ANSI/UL 2351-2014 (R2018), Standard for Spray Nozzles for Fire-Protection Service (reaffirmation of ANSI/UL 2351-2014)
  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 2, 2018 | Approved

  Public Review Date: Mar 25, 2016 | Final Action Date: Oct 10, 2016 | Approved

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### ANSI/UL 2367-2009 (R2018), Solid State Overcurrent Protectors (reaffirmation of ANSI/UL 2367-2009 (R2014))
Public Review Date: Jul 13, 2018 | Final Action Date: Sep 11, 2018 | Approved

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### ANSI/UL 2388-2017, Standard for Safety for Flexible Lighting Products (revision of ANSI/UL 2388-2014)
Public Review Date: Sep 2, 2016 | Final Action Date: May 3, 2017 | Approved

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### ANSI/UL 2420-2014 (R2016), Standard for Safety for Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (reaffirmation of ANSI/UL 2420-2012a)
Public Review Date: Oct 21, 2016 | Final Action Date: Dec 16, 2016 | Approved

### ANSI/UL 2420-2021, Standard for Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2420-2014 (R2016))
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  (reaffirmation of ANSI/UL 2438-2014)  
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  Public Review Date: Feb 21, 2020 | Final Action Date: May 20, 2020 | Approved

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- ANSI/UL 244B-2022, Standard for Field Installed and/or Field Connected Appliance Controls  (revision of ANSI/UL 244B-2021)  
  Public Review Date: Dec 24, 2021 | Final Action Date: Feb 11, 2022 | Approved

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  Public Review Date: Apr 16, 2021 | Final Action Date: Oct 27, 2021 | Approved

- ANSI/UL 2515-2019, Standards for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515-2014)
  Public Review Date: Jun 8, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/UL 2515A-2016, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515A-2014)
  Public Review Date: Jul 10, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI/UL 2515A-2016a, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515A-2014)
  Public Review Date: Dec 4, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI/UL 2515A-2019, Standard for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515A-2016)
  Public Review Date: Aug 23, 2019 | Final Action Date: Jul 12, 2019 | Approved

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- ANSI/UL 2580-2016a, Standard for Safety for Batteries for Use in Electric Vehicles (revision of ANSI/UL 2580-2013)
  Public Review Date: Mar 25, 2016 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/UL 2580-2020, Standard for Safety for Batteries for Use in Electrical Vehicles (revision of ANSI/UL 2580-2016)
  Public Review Date: Aug 23, 2019 | Final Action Date: Mar 11, 2020 | Approved

  Public Review Date: Jan 15, 2021 | Final Action Date: Mar 31, 2021 | Approved

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- ANSI/UL 2586-2021, Standard for Hose Nozzle Valves for Flammable and Combustible Liquids (revision of ANSI/UL 2586-2014)
  Public Review Date: Jul 24, 2020 | Final Action Date: Jan 22, 2021 | Approved

- ANSI/UL 2586A-2016, Standard for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 2586A-2015)
  Public Review Date: Aug 19, 2016 | Final Action Date: Oct 13, 2016 | Approved

  Public Review Date: Apr 6, 2018 | Final Action Date: Jun 29, 2018 | Approved

  Public Review Date: Nov 16, 2018 | Final Action Date: Apr 1, 2019 | Approved

  Public Review Date: Apr 6, 2018 | Final Action Date: Jun 29, 2018 | Approved

- ANSI/UL 2586B-2020, Standard For Safety For Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 2586B-2015)
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved

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  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 21, 2016 | Approved

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- ANSI/UL 2595-2015, Standard for General Requirements for Battery-Powered Appliances (revision of ANSI/UL 2595-2013a)
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- ANSI/UL 2595-2015a, Standard for Safety for General Requirements for Battery-Powered Appliances (revision of ANSI/UL 2595-2013a)
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- ANSI/UL 2743-2016, Standard for Portable Power Packs (new standard)
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- ANSI/UL 2743-2016a, Standard for Portable Power Packs (new standard)
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- ANSI/UL 2775-2017, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2016)
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- ANSI/UL 2775-2019, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017a)
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- ANSI/UL 2775-2021, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2020)
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- ANSI/UL 2790-2010, Standard for Safety for Commercial Incinerators (new standard)
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- ANSI/UL 2790-2010 (R2019), Standard For Safety For Commercial Incinerators (reaffirmation of ANSI/UL 2790-2010 (R2014))
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- ANSI/UL 283-2021, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2016)
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- ANSI/UL 2904-2018a, Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers (new standard)
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<td>Feb 12, 2021</td>
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## ANSI/UL 325-2016, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2015)
- Public Review Date: Aug 28, 2015 | Final Action Date: Feb 24, 2016 | Approved

## ANSI/UL 325-2016a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2016)
- Public Review Date: Apr 29, 2016 | Final Action Date: Dec 7, 2016 | Approved

## ANSI/UL 325-2016b, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2016)
- Public Review Date: Sep 16, 2016 | Final Action Date: Dec 7, 2016 | Approved

## ANSI/UL 325-2017, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2016)
- Public Review Date: Nov 11, 2016 | Final Action Date: Mar 7, 2017 | Approved

## ANSI/UL 325-2017a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2016)
- Public Review Date: Feb 3, 2017 | Final Action Date: Mar 7, 2017 | Approved

## ANSI/UL 325-2017b, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2016)
- Public Review Date: Mar 10, 2017 | Final Action Date: May 19, 2017 | Approved

## ANSI/UL 325-2019, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2017)
- Public Review Date: Jul 6, 2018 | Final Action Date: Jul 12, 2019 | Approved

## ANSI/UL 325-2019a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2017)
- Public Review Date: Apr 19, 2019 | Final Action Date: Jul 12, 2019 | Approved

## ANSI/UL 325-2020, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems
- (revision of ANSI/UL 325-2019)
- Public Review Date: Oct 18, 2019 | Final Action Date: Feb 28, 2020 | Approved

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

## ANSI/UL 330-2017, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids
- (revision of ANSI/UL 330-2013a)
- Public Review Date: May 19, 2017 | Final Action Date: Jun 29, 2017 | Approved

## ANSI/UL 330-2018, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids
- (revision of ANSI/UL 330-2017)
- Public Review Date: Jun 8, 2018 | Final Action Date: Jul 12, 2018 | Approved

## ANSI/UL 330-2019, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids
- (revision of ANSI/UL 330-2018)
- Public Review Date: Dec 7, 2018 | Final Action Date: Feb 22, 2019 | Approved

## ANSI/UL 330-2021, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids
- (revision of ANSI/UL 330-2019)
- Public Review Date: Oct 2, 2020 | Final Action Date: Feb 11, 2021 | Approved
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  - Public Review Date: Feb 7, 2020 | Final Action Date: Mar 31, 2020 | Approved

  - PINS Date: Jan 31, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Dec 17, 2015 | Approved

  - Public Review Date: Jun 22, 2018 | Final Action Date: Aug 9, 2018 | Approved

  - Public Review Date: Jan 31, 2020 | Final Action Date: Mar 31, 2020 | Approved

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  - Public Review Date: Aug 27, 2021 | Final Action Date: Dec 6, 2021 | Approved
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  Public Review Date: Jun 20, 2014 | Final Action Date: Jan 29, 2016 | Approved

- ANSI/UL 347-2016a, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2009a)
  Public Review Date: May 15, 2015 | Final Action Date: Jan 29, 2016 | Approved

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  Public Review Date: Oct 26, 2018 | Final Action Date: Feb 19, 2019 | Approved

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  Public Review Date: Jun 5, 2020 | Final Action Date: Nov 11, 2020 | Approved

  Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

  Public Review Date: Mar 16, 2018 | Final Action Date: May 18, 2018 | Approved

- ANSI/UL 360-2018a, Standard for Safety for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2018)
  Public Review Date: Sep 21, 2018 | Final Action Date: Nov 27, 2018 | Approved

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- ANSI/UL 360-2020, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2019)
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- ANSI/UL 360-2021, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2020)
  Public Review Date: Jan 29, 2021 | Final Action Date: Aug 2, 2021 | Approved
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  Public Review Date: Apr 7, 2017 | Final Action Date: Oct 13, 2017 | Approved

- ANSI/UL 4248-11-2007 (R2018), Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2012))
  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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- ANSI/UL 4248-4-2007 (R2018), Standard for Safety for Fuseholders - Part 4: Class CC (reaffirmation of ANSI/UL 4248-4-2007 (R2012))
  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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  Public Review Date: Aug 22, 2017 | Final Action Date: Apr 30, 2018 | Approved

  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

  Public Review Date: Dec 30, 2016 | Final Action Date: Feb 10, 2017 | Approved

- ANSI/UL 428A-2015a, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 - E85) (new standard)
  PINS Date: Mar 7, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 4, 2015 | Approved

  Public Review Date: Feb 22, 2019 | Final Action Date: Apr 29, 2019 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Jan 22, 2021 | Approved
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  - Public Review Date: Jul 19, 2019 | Final Action Date: Sep 30, 2019 | Approved

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  - Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | Approved

- **ANSI/UL 443-2008 (R2018)**, Standard for Safety for Steel Auxiliary Tanks for Oil-Burner Fuel *(reaffirmation of ANSI/UL 443-2008 (R2013))*
  - Public Review Date: Feb 16, 2018 | Final Action Date: May 30, 2018 | Approved

  - Public Review Date: Jun 3, 2016 | Final Action Date: Jan 20, 2017 | Approved

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  - Public Review Date: Aug 24, 2018 | Final Action Date: Dec 10, 2018  | Approved

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  - Public Review Date: Nov 6, 2020 | Final Action Date: Mar 11, 2021  | Approved

  - Public Review Date: May 6, 2016 | Final Action Date: Sep 5, 2017  | Approved
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- ANSI/UL 496-2017a, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013)
  Public Review Date: Jun 23, 2017 | Final Action Date: Sep 5, 2017 | Approved

- ANSI/UL 497-2004 (R2017), Standard for Safety for Protectors for Paired-Conductor Communications Circuits (reaffirmation of ANSI/UL 497-2004 (R2013))
  Public Review Date: Aug 11, 2017 | Final Action Date: Oct 6, 2017 | Approved

  Public Review Date: Dec 23, 2016 | Final Action Date: Feb 10, 2017 | Approved

  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 1, 2019 | Approved

- ANSI/UL 497B-2004 (R2022), Standard for Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2017))
  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

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

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  Public Review Date: Oct 18, 2019 | Final Action Date: Jan 17, 2020 | **Approved**

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  Public Review Date: Sep 6, 2013 | Final Action Date: Oct 29, 2013 | Approved

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- ANSI/UL 5800-2020, Standard for Safety for Battery Fire Containment Products (new standard)
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- ANSI/UL 5800-2021, Standard for Safety for Battery Fire Containment Products (revision of ANSI/UL 5800-2020)
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- ANSI/UL 583-2018, Standard For Safety For Electric-Battery-Powered Industrial Trucks (proposal dated 09/08/17) (revision of ANSI/UL 583-2016)
  Public Review Date: Sep 8, 2017 | Final Action Date: Mar 6, 2018 | Approved

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- ANSI/UL 583-2021, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2020)
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  - Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

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

- **ANSI/UL 5C-2016 (R2020)**, Standard for Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits (reaffirmation of ANSI/UL 5C-2016)
  - Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

- **ANSI/UL 6-2019**, Standard for Electrical Rigid Metal Conduit – Steel (revision of ANSI/UL 6-2014)
  - Public Review Date: Jan 18, 2019 | Final Action Date: Sep 27, 2019 | Approved

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- ANSI/UL 60034-5-2019, Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) - Classification (identical national adoption of IEC 60034-5)
  PINS Date: Mar 30, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Jan 14, 2019 | Approved

- ANSI/UL 60065-2015a (R2020), UL Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements, UL 60065 (reaffirmation of ANSI/UL 60065-2015a)
  Public Review Date: Apr 17, 2020 | Final Action Date: Jun 19, 2020 | Approved

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- ANSI/UL 60079-17-2017a, Standard for Safety for Explosive Atmospheres - Part 17: Electrical Installations Inspection and Maintenance (Proposal dated 02-17-17) (national adoption with modifications of IEC 60079-17)
  PINS Date: Mar 4, 2016 | Public Review Date: Feb 17, 2017 | Final Action Date: May 12, 2017 | Approved
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  Public Review Date: Jan 29, 2016 | Final Action Date: Apr 29, 2016 | Approved

  Public Review Date: Jun 5, 2020 | Final Action Date: Jul 31, 2020 | Approved

- ANSI/UL 60079-6-2016, Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion \"o\" (Proposal dated 01-29-16) (identical national adoption of IEC 60079-6 and revision of ANSI/UL 60079-6 -2009 (R2013) (12.00.05))
  Public Review Date: Jan 29, 2016 | Final Action Date: Apr 29, 2016 | Approved

- ANSI/UL 60079-6-2016 (R2020), Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion \( o \) (reaffirm a national adoption ANSI/UL 60079-6-2016)
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- ANSI/UL 60079-7-2017 (R2021), Standard for Safety for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety \( e \) (reaffirm a national adoption ANSI/UL 60079-7-2017)
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- ANSI/UL 60079-7-2017a, Standard for Safety for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety \( e \) (Proposal dated 12-16-16) (national adoption of IEC 60079-7 with modifications and revision of ANSI/UL 60079-7-2008 (R2013))
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  Public Review Date: Sep 27, 2019 | Final Action Date: Feb 17, 2020 | Approved

- ANSI/UL 60320-3-2019, Standard for Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Guages (national adoption with modifications of IEC 60320-3)
  PINS Date: Jul 28, 2017 | Public Review Date: Jun 8, 2018 | Final Action Date: Feb 15, 2019 | Approved

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### ANSI/UL 60335-1-2016a, Standard for Safety of Household and Similar Electrical Appliances, Part 1: General Requirements
(national adoption of IEC 60335-1 with modifications and revision of ANSI/UL 60335-1-2011)
Public Review Date: Jul 8, 2016 | Final Action Date: Oct 31, 2016 | **Approved**

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### ANSI/UL 60335-2-29-2020, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-29: Particular Requirements for Battery Chargers (national adoption with modifications of IEC 60335-2-29)
PINS Date: Aug 18, 2017 | Public Review Date: Mar 27, 2020 | Final Action Date: Oct 12, 2020 | **Approved**

### ANSI/UL 60335-2-3-2016, Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons (national adoption of IEC 60335-2-3 with modifications and revision of ANSI/UL 60335-2-3-2013)
Public Review Date: Mar 25, 2016 | Final Action Date: Oct 11, 2016 | **Approved**

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- ANSI/UL 60335-2-72-2017, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72)
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- ANSI/UL 60335-2-72-2017a, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72)
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- ANSI/UL 60335-2-89-2017a, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (national adoption with modifications of IEC 60335-2-89)
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- ANSI/UL 60730-1-2021, Standard for Automatic Electrical Controls - Part 1: General Requirements (identical national adoption of IEC 60730-1 and revision of ANSI/UL 60730-1-2016)
  Public Review Date: Aug 13, 2021 | Final Action Date: Oct 18, 2021 | Approved

- ANSI/UL 60730-2-10-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays (reaffirm a national adoption ANSI/UL 60730-2-10-2013)
  Public Review Date: Nov 17, 2017 | Final Action Date: Jan 23, 2018 | Approved

- ANSI/UL 60730-2-11-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators (reaffirm a national adoption ANSI/UL 60730-2-11-2013)
  Public Review Date: Nov 17, 2017 | Final Action Date: Jan 24, 2018 | Approved
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- ANSI/UL 60730-2-12-2017, Standard for Automatic Electrical Controls - Part 2-12: Particular Requirements for Electrically Operated Door Locks (national adoption of IEC 60730-2-12 with modifications and revision of ANSI/UL 60730-2-12-2014)
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- ANSI/UL 60730-2-14-2013 (R2017), Standard for Automatic Electrical Controls; Part 2: Particular Requirements for Electric Actuators (reaffirm a national adoption ANSI/UL 60730-2-14-2013)
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- ANSI/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)
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- ANSI/UL 60730-2-7-2020, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches (identical national adoption of IEC 60730-2-7 and revision of ANSI/UL 60730-2-7-2014)
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- ANSI/UL 60730-2-8-2017, 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 60730-2-8-2007 (R2012))
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| ANSI/UL 60745-2-4-2009 (R2018), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type  (reaffirmation of ANSI/UL 60745-2-4-2009 (R2014))  
Public Review Date: Sep 7, 2018 | Final Action Date: Nov 7, 2018 | Approved |
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Public Review Date: Sep 7, 2018 | Final Action Date: Nov 7, 2018 | Approved |
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Public Review Date: Feb 22, 2019 | Final Action Date: Apr 30, 2019 | Approved |
| ANSI/UL 608-2012 (R2017), Standard for Safety for Burglary Resistant Vault Doors and Modular Panels  (reaffirmation of ANSI/UL 608-2012)  
Public Review Date: Mar 31, 2017 | Final Action Date: Jun 5, 2017 | Approved |
Public Review Date: Oct 23, 2015 | Final Action Date: Mar 9, 2018 | Approved |
| ANSI/UL 60939-3-2016, Standard for Safety for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (Proposal dated 5-6-16)  (national adoption with modifications of IEC 60939-3)  
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| ANSI/UL 60947-4-1-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters  (national adoption of IEC 60947-4-1 with modifications and revision of ANSI/UL 60947-4-1-2014)  
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| ANSI/UL 60947-4-2-2014, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters  (national adoption with modifications of IEC 60947-4-2)  
PINS Date: Apr 23, 2010 | Public Review Date: Jan 25, 2013 | Final Action Date: Mar 21, 2014 | Approved |
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- ANSI/UL 60947-5-1-2014, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices (national adoption with modifications of IEC 60947-5-1)
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- ANSI/UL 60947-5-5-2017, Standard for Safety for Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function (identical national adoption of IEC 60947-5-5)
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  Public Review Date: May 24, 2019 | Final Action Date: Sep 13, 2019 | Approved

- ANSI/UL 60947-7-1-2017 (R2021), Standard for Safety for Low-Voltage Switchgear And Controlgear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-1-2017)
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- ANSI/UL 60947-7-3-2017 (R2021), Standard for Safety for Low-voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks (reaffirmation of ANSI/UL 60947-7-3-2017)
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- ANSI/UL 60947-7-4-2018, Standard for Safety for Low-voltage Switchgear and Controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (national adoption with modifications of IEC 60947-7-4)
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  Public Review Date: Sep 13, 2019 | Final Action Date: Jan 10, 2020 | Approved

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- ANSI/UL 61010-2-051-2015, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 051: Particular Requirements for Laboratory Equipment for Mixing and Stirring (identical national adoption of IEC 61010-2-051)
  PINS Date: Feb 7, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Jul 31, 2015 | Approved

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- ANSI/UL 61010-2-101-2015, Standard for Safety Requirements for Electrical Equipment for Measurements, Control and Laboratory Use - Part 2-101: Particular Requirements for In Vitro Diagnostic Medical Equipment
  (identical national adoption of IEC 61010-2-101)
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- ANSI/UL 61058-2-5-2020, Standard for switches for appliances - Part 2-5: particular requirements for change-over selectors (national adoption with modifications of IEC 61058-2-5)
  PINS Date: Mar 29, 2019 | Public Review Date: Jun 21, 2019 | Final Action Date: Mar 31, 2020 | Approved

- ANSI/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 Date: Mar 29, 2019 | Public Review Date: Jun 21, 2019 | Final Action Date: Mar 31, 2020 | Approved

  Public Review Date: Apr 9, 2021 | Final Action Date: Jun 10, 2021 | Approved

- ANSI/UL 61215-1-1-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (identical national adoption of IEC 61215-1-1)
  PINS Date: Sep 2, 2016 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 28, 2017 | Approved

- ANSI/UL 61215-1-1-2021, Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (identical national adoption of IEC 61215-1-1 and revision of ANSI/UL 61215-1-1-2017)
  Public Review Date: May 21, 2021 | Final Action Date: Jul 7, 2021 | Approved

- ANSI/UL 61215-1-2-2018, Standard for Safety for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (national adoption with modifications of IEC 61215-1-2)
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- ANSI/UL 61215-1-2-2021, Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-2 and revision of ANSI/UL 61215-1-2-2018)
  Public Review Date: May 21, 2021 | Final Action Date: Jul 7, 2021 | Approved

- ANSI/UL 61215-1-1-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements (identical national adoption of IEC 61215-1)
  PINS Date: Sep 2, 2016 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 28, 2017 | Approved

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- ANSI/UL 61215-1-3-2018, Standard for Safety for 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 (national adoption with modifications of IEC 61215-1-3)
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UL (Underwriters Laboratories)

- ANSI/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 Date: May 21, 2021 | Final Action Date: Jul 7, 2021 | Approved

- ANSI/UL 61215-1-4-2018, Standard for Safety for 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 (national adoption with modifications of IEC 61215-1-4)
  PINS Date: Feb 10, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 3, 2018 | Approved

- ANSI/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)
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- ANSI/UL 61215-2-2017, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (identical national adoption of IEC 61215-2)
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- ANSI/UL 61215-2012 (R2016), Standard for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval (reaffirm a national adoption ANSI/UL 61215-2012)
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- ANSI/UL 61646-2012 (R2016), Standard for Thin-Film Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval (reaffirm a national adoption ANSI/UL 61646-2012)
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- ANSI/UL 61724-1-2019, Standard for Photovoltaic System Performance – Part 1: Monitoring (national adoption with modifications of IEC 61724-1)
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- ANSI/UL 61730-1-2017a, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption with modifications of IEC 61730-1)
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- ANSI/UL 61730-1-2017c, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption with modifications of IEC 61730-1)
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- ANSI/UL 618-2010 (R2020), Standard for Concrete Masonry Units (reaffirmation of ANSI/UL 618-2010 (R2015))
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  PINS Date: Jun 10, 2016 | Public Review Date: Feb 22, 2019 | Final Action Date: May 31, 2019 | Approved

- ANSI/UL 62091-2020, Standard for Safety for Low-Voltage Switchgear and Controlgear - Controllers for Drivers of Stationary Fire Pumps (national adoption with modifications of IEC 62091)
  PINS Date: Jul 29, 2016 | Public Review Date: Apr 3, 2020 | Final Action Date: Sep 30, 2020 | Approved

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  Public Review Date: Dec 9, 2016 | Final Action Date: Feb 15, 2017 | Approved

- ANSI/UL 621-2015, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2010a)
  Public Review Date: Jun 26, 2015 | Final Action Date: Dec 10, 2015 | Approved
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  Public Review Date: Dec 29, 2017 | Final Action Date: Mar 1, 2018 | Approved

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  Public Review Date: Jul 9, 2021 | Final Action Date: Sep 9, 2021 | Approved

  Public Review Date: Feb 22, 2019 | Final Action Date: Apr 30, 2019 | Approved

- ANSI/UL 62133-1-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems (national adoption with modifications of IEC 62133-1)
  PINS Date: Sep 8, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI/UL 62133-2-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems (national adoption with modifications of IEC 62133-2)
  PINS Date: Sep 8, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI/UL 62133-1-2017, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications (national adoption with modifications of IEC 62133)
  PINS Date: Jun 24, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Sep 5, 2017 | Approved

- ANSI/UL 62275-2021, Standard for Safety for Cable Management Systems – Cable Ties For Electrical Installations (national adoption of IEC 62275 with modifications and revision of ANSI/UL 62275-2016)
  Public Review Date: Dec 18, 2020 | Final Action Date: Sep 24, 2021 | Approved

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- ANSI/UL 626-2012 (R2018), Standard For Safety For Water Fire Extinguishers (reaffirmation of ANSI/UL 626-2012)
  Public Review Date: Jun 9, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI/UL 626-2021, Standard for Water Fire Extinguishers (revision of ANSI/UL 626-2012 (R2018))
  Public Review Date: Nov 20, 2020 | Final Action Date: May 14, 2021 | Approved

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- ANSI/UL 62841-2-4-2015, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-4: Particular Requirements for Hand-Held Sanders and Polishers Other Than Disc Type (national adoption with modifications of IEC 62841-2-4)
  PINS Date: Nov 9, 2012 | Public Review Date: Jul 10, 2015 | Final Action Date: Nov 30, 2015 | Approved

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- ANSI/UL 62841-3-1-2016, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-1: Particular Requirements for Transportable Table Saws (national adoption with modifications of IEC 62841-3-1)
  PINS Date: Nov 23, 2012 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 29, 2016 | Approved

- ANSI/UL 62841-3-1-2017, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-1: Particular Requirements for Transportable Table Saws (identical national adoption of IEC 62841-3-1)
  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 29, 2017 | Approved

- ANSI/UL 62841-3-10-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-10: Particular Requirements for Transportable Cut-Off Machines (identical national adoption of IEC 62841-3-10)
  PINS Date: Nov 23, 2012 | Public Review Date: Mar 18, 2016 | Final Action Date: Aug 5, 2016 | Approved
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- ANSI/UL 62841-3-10-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-10 Particular Requirements for Transportable Cut-Off Machines (national adoption of IEC 62841-3-10 with modifications and revision of ANSI/UL 62841-3-10-2016)
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- ANSI/UL 62841-3-12-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-12 Particular Requirements for Transportable Threading Machines (identical national adoption of IEC 62841-3-12)
  PINS Date: Nov 23, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: May 4, 2018 | Approved

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- ANSI/UL 62841-3-14-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-14 Particular Requirements for Transportable Drain Cleaners (identical national adoption of IEC 62841-3-14)
  PINS Date: Oct 12, 2018 | Public Review Date: Dec 14, 2018 | Final Action Date: Dec 23, 2016 | Approved

- ANSI/UL 62841-3-4-2016, Standard 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)
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- ANSI/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)
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- ANSI/UL 62841-3-6-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)
  PINS Date: Nov 23, 2012 | Public Review Date: Oct 30, 2015 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/UL 62841-3-6-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-6 Particular Requirements for Transportable Diamond Drills and Liquid System (identical national adoption of IEC 62841-3-6 and revision of ANSI/UL 62841-3-6-2016)
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<th>Public Review Date: Sep 25, 2020</th>
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<td>ANSI/UL 62841-4-1000-2021, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 4-1000: Particular Requirements For Utility Machines (revision of ANSI/UL 62841-4-1000-2020)</td>
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<td>Public Review Date: May 11, 2018</td>
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- **ANSI/UL 6420-2012 (R2018)**, Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit (reaffirmation of ANSI/UL 6420-2012)
  
  Public Review Date: Nov 3, 2017 | Final Action Date: Jan 8, 2018 | Approved

  
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- **ANSI/UL 651-2016**, Standard for Safety for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2014)
  
  Public Review Date: Apr 1, 2016 | Final Action Date: Jun 15, 2016 | Approved

- **ANSI/UL 651-2018**, Standard for Safety for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2016)
  
  Public Review Date: Jul 6, 2018 | Final Action Date: Nov 30, 2018 | Approved

- **ANSI/UL 651-2020**, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2018)
  
  Public Review Date: Nov 15, 2019 | Final Action Date: Mar 9, 2020 | Approved

- **ANSI/UL 651-2020a**, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2018)
  
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- ANSI/UL 758-2021a, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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- ANSI/UL 758-2021b, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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  (reaffirmation of ANSI/UL 779-2011)
  Public Review Date: Nov 13, 2015 | Final Action Date: Jan 15, 2016 | Approved

- ANSI/UL 779-2020, Standard for Safety for Electrically Conductive Floorings (revision of ANSI/UL 779-2011 (R2016))
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  (reaffirmation of ANSI/UL 783-2003 (R2016))
  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 26, 2020 | Approved

- ANSI/UL 789-2003 (R2017), Standard for Safety for Indicator Posts for Fire-Protection Service
  (reaffirmation of ANSI/UL 789-2003 (R2013))
  Public Review Date: Mar 31, 2017 | Final Action Date: May 25, 2017 | Approved

  (revision of ANSI/UL 789-2003 (R2017))
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- ANSI/UL 789-2018a, Standard for Safety for Indicator Posts for Fire-Protection Service
  (revision of ANSI/UL 789-2003 (R2017))
  Public Review Date: Jul 13, 2018 | Final Action Date: Sep 4, 2018 | Approved

- ANSI/UL 79-2016, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products
  (revision of ANSI/UL 79-2010 (R2014))
  Public Review Date: Mar 18, 2016 | Final Action Date: Apr 29, 2016 | Approved

  (revision of ANSI/UL 79-2016)
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- ANSI/UL 79A-2020, Standard For Safety For Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 79-2016)
  Public Review Date: Nov 15, 2019 | Final Action Date: Mar 12, 2020 | Approved

- ANSI/UL 79A-2020a, Standard for Safety for Power-Operated Pumps for Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85) (revision of ANSI/UL 79A-2016)
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- ANSI/UL 79B-2020, Standard for Safety for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 79B-2016)
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- ANSI/UL 8-2016, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2011)
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- ANSI/UL 8-2020, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2016)
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- ANSI/UL 80-2009 (R2019), Standard for Safety for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids (reaffirmation of ANSI/UL 80-2009 (R2014))
  Public Review Date: Feb 15, 2019 | Final Action Date: Apr 26, 2019 | Approved

  PINS Date: Mar 20, 2009 | Public Review Date: Feb 21, 2020 | Final Action Date: Jun 2, 2020 | Approved

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  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 2, 2021 | Approved

- ANSI/UL 80079-37-2021, Safety for Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres –Non Electrical Type of Protection Construcional Safety c, Control of Ignition Source b Liquid Immersion k (national adoption with modifications of ISO/IEC 80079-37)
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 2, 2021 | Approved

  Public Review Date: Aug 9, 2019 | Final Action Date: Oct 29, 2019 | Approved

  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 28, 2017 | Approved
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  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI/UL 83B-2020, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard)
  Public Review Date: Jul 17, 2020 | Final Action Date: Oct 15, 2020 | Approved

- ANSI/UL 840-2012 (R2016), Standard for Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment (reaffirmation of ANSI/UL 840-2012)
  Public Review Date: Aug 19, 2016 | Final Action Date: Oct 5, 2016 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2017 | Approved

  Public Review Date: Jan 31, 2020 | Final Action Date: Aug 25, 2020 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2016 | Approved

  Public Review Date: Nov 16, 2018 | Final Action Date: Apr 1, 2019 | Approved

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  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved

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  Public Review Date: May 22, 2020 | Final Action Date: Jun 30, 2020 | Approved

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  (revision of ANSI/UL 859-2012)  
  Public Review Date: Oct 21, 2016 | Final Action Date: Dec 7, 2016 | Approved

  (revision of ANSI/UL 859-2016)  
  Public Review Date: May 7, 2021 | Final Action Date: Jul 14, 2021 | Approved

  (revision of ANSI/UL 864-2014)  
  Public Review Date: Sep 8, 2017 | Final Action Date: Mar 29, 2018 | Approved

  (revision of ANSI/UL 864-2014)  
  Public Review Date: Feb 16, 2018 | Final Action Date: Mar 29, 2018 | Approved

  (revision of ANSI/UL 864-2018)  
  Public Review Date: Feb 14, 2020 | Final Action Date: May 7, 2020 | Approved

- **ANSI/UL 867-2016**, Standard for Safety for Electrostatic Air Cleaners (proposal dated 7-29-16)  
  (revision of ANSI/UL 867-2013)  
  Public Review Date: Jul 29, 2016 | Final Action Date: Sep 16, 2016 | Approved

  (revision of ANSI/UL 867-2016)  
  Public Review Date: Mar 2, 2018 | Final Action Date: Aug 7, 2018 | Approved

- **ANSI/UL 867-2021**, Standard For Safety For Electrostatic Air Cleaners  
  (revision of ANSI/UL 867-2018)  
  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 17, 2021 | Approved

- **ANSI/UL 870-2016**, Wireways, Auxiliary Gutters, and Associated Fittings  
  (revision of ANSI/UL 870-2013)  
  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 3, 2016 | Approved

  (revision of ANSI/UL 870-2016)  
  Public Review Date: Oct 26, 2018 | Final Action Date: Mar 18, 2019 | Approved

  (revision of ANSI/UL 875-2011)  
  Public Review Date: Aug 19, 2016 | Final Action Date: Nov 11, 2016 | Approved

  (revision of ANSI/UL 875-2016)  
  Public Review Date: Apr 14, 2017 | Final Action Date: Jul 26, 2017 | Approved

  (revision of ANSI/UL 875-2016)  
  Public Review Date: Jun 23, 2017 | Final Action Date: Jul 26, 2017 | Approved

  (revision of ANSI/UL 875-2016)  
  Public Review Date: Aug 4, 2017 | Final Action Date: Sep 20, 2017 | Approved

  (revision of ANSI/UL 875-2017)  
  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 19, 2020 | Approved

  (revision of ANSI/UL 8750-2015)  
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  Public Review Date: May 4, 2018 | Final Action Date: Aug 22, 2018 | Approved

- ANSI/UL 8750-2019, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (proposal dated 5-17-19) (revision of BSR/UL 8750-201X)
  Public Review Date: May 17, 2019 | Final Action Date: Jul 30, 2019 | Approved

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- ANSI/UL 8750-2019b, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (proposal dated 7-26-19) (revision of BSR/UL 8750-201X)
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  Public Review Date: Jun 19, 2020 | Final Action Date: Sep 11, 2020 | Approved

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**UL (Underwriters Laboratories)**

- ANSI/UL 8750-2021a, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (revision of ANSI/UL 8750-2021)
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  - Public Review Date: May 28, 2021 | Final Action Date: Jul 6, 2021 | Approved

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- **ANSI/UL 884-2016 (R2020)**, Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016)
  - Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 26, 2018 | Approved

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  - Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | Approved

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### UL (Underwriters Laboratories)

  - Public Review Date: Aug 28, 2015 | Final Action Date: Oct 16, 2015 | **Approved**

  - Public Review Date: Aug 24, 2018 | Final Action Date: Dec 10, 2018 | **Approved**

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  - Public Review Date: Mar 19, 2021 | Final Action Date: Jun 14, 2021 | **Approved**

  - Public Review Date: Jun 25, 2021 | Final Action Date: Sep 24, 2021 | **Approved**

- **ANSI/UL 920004-2014 (R2022)**, Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors (reaffirmation of ANSI/UL 920004-2014 (R2017))
  - Public Review Date: Sep 24, 2021 | Final Action Date: Jan 13, 2022 | **Approved**

  - Public Review Date: Aug 25, 2017 | Final Action Date: Nov 3, 2017 | **Approved**

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  - Public Review Date: Sep 13, 2019 | Final Action Date: Jan 30, 2020 | **Approved**

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  - Public Review Date: Sep 25, 2015 | Final Action Date: Nov 11, 2015 | **Approved**

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  - Public Review Date: Feb 24, 2017 | Final Action Date: Apr 12, 2017 | **Approved**

  - Public Review Date: Oct 28, 2016 | Final Action Date: Apr 12, 2017 | **Approved**
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  Public Review Date: Aug 3, 2018 | Final Action Date: Feb 13, 2019 | Approved

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  Public Review Date: Sep 8, 2017 | Final Action Date: Nov 8, 2017 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: May 1, 2018 | Approved

  Public Review Date: Feb 21, 2020 | Final Action Date: May 5, 2020 | Approved

- ANSI/UL 935-2014 (R2018), Standard for Fluorescent-Lamp Ballasts (reaffirmation of ANSI/UL 935-2014)
  Public Review Date: Nov 2, 2018 | Final Action Date: Dec 18, 2018 | Approved

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Public Review Date: May 12, 2017 | Final Action Date: Jun 27, 2017 | Approved

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Public Review Date: Nov 30, 2018 | Final Action Date: May 6, 2019 | Approved

Public Review Date: Aug 21, 2020 | Final Action Date: Dec 16, 2020 | Approved

Public Review Date: Aug 27, 2021 | Final Action Date: Feb 15, 2022 | Approved

PINS Date: Oct 13, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 12, 2018 | Approved

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Public Review Date: Oct 20, 2017 | Final Action Date: Mar 30, 2018 | Approved

Public Review Date: Jan 19, 2018 | Final Action Date: Mar 30, 2018 | Approved

PINS Date: Aug 4, 2017 | Public Review Date: Feb 21, 2020 | Final Action Date: May 22, 2020 | Approved

ANSI/UL 970-2020, Standard for Safety for Retail Fixtures and Merchandise Displays (new standard)
PINS Date: Nov 2, 2007 | Public Review Date: Dec 6, 2019 | Final Action Date: Feb 7, 2020 | Approved

Public Review Date: Sep 4, 2020 | Final Action Date: Nov 20, 2020 | Approved
### ANSI/UL 977-2012 (R2016), Standard for Safety for Fused Power-Circuit Devices
   - Proposal dated 06-03-16
   - Reaffirmation of ANSI/UL 977-2012
   - Public Review Date: Jun 3, 2016 | Final Action Date: Jul 29, 2016 | Approved

### ANSI/UL 977-2020, Standard for Safety for Fused Power-Circuit Devices
   - Revision of ANSI/UL 977-2012 (R2016)
   - Public Review Date: Jul 10, 2020 | Final Action Date: Oct 26, 2020 | Approved

### ANSI/UL 98-2016, Standard for Safety for Enclosed and Dead-Front Switches
   - Proposal dated 02-20-15
   - Revision of ANSI/UL 98-2014
   - Public Review Date: Feb 20, 2015 | Final Action Date: Feb 12, 2016 | Approved

### ANSI/UL 98-2019, Standard for Safety for Enclosed and Dead-Front Switches
   - Revision of ANSI/UL 98-2016
   - Public Review Date: Sep 7, 2018 | Final Action Date: Aug 30, 2019 | Approved

### ANSI/UL 98-2019a, Standard for Safety for Enclosed and Dead-Front Switches
   - Revision of ANSI/UL 98-2016
   - Public Review Date: Mar 1, 2019 | Final Action Date: Aug 30, 2019 | Approved

### ANSI/UL 982-2016, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2015b
   - Public Review Date: Apr 15, 2016 | Final Action Date: Nov 30, 2016 | Approved

### ANSI/UL 982-2016a, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2015
   - Public Review Date: Sep 9, 2016 | Final Action Date: Nov 30, 2016 | Approved

### ANSI/UL 982-2017, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2016
   - Public Review Date: May 26, 2017 | Final Action Date: Oct 25, 2017 | Approved

### ANSI/UL 982-2017a, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2016a
   - Public Review Date: Sep 1, 2017 | Final Action Date: Oct 25, 2017 | Approved

### ANSI/UL 982-2019, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2017
   - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 27, 2019 | Approved

### ANSI/UL 982-2020, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2017
   - Public Review Date: Sep 4, 2020 | Final Action Date: Oct 23, 2020 | Approved

### ANSI/UL 982-2021, Standard for Safety for Motor-Operated Household Food Preparing Machines
   - Revision of ANSI/UL 982-2020
   - Public Review Date: Jan 29, 2021 | Final Action Date: Mar 19, 2021 | Approved

### ANSI/UL 985-2017, Standard for Safety for Household Fire Warning System Units
   - Revision of ANSI/UL 985-2015
   - Public Review Date: Mar 17, 2017 | Final Action Date: Sep 5, 2017 | Approved

### ANSI/UL 985-2018, Standard for Safety for Household Fire Warning System Units
   - Revision of ANSI/UL 985-2017
   - Public Review Date: Dec 8, 2017 | Final Action Date: Jul 12, 2018 | Approved

### ANSI/UL 985-2018a, Standard for Safety for Household Fire Warning System Units
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   - Public Review Date: May 4, 2018 | Final Action Date: Jul 12, 2018 | Approved

   - Revision of ANSI/UL 987-2013
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UL (Underwriters Laboratories)

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  Public Review Date: Oct 9, 2015 | Final Action Date: Apr 4, 2016 | Approved

  Public Review Date: Dec 25, 2015 | Final Action Date: Apr 4, 2016 | Approved

- ANSI/UL 998-2020, Standard for Safety for Humidifiers (proposal dated 8/9/19)  (revision of ANSI/UL 998-2016a)
  Public Review Date: Aug 16, 2019 | Final Action Date: Apr 9, 2020 | Approved

USEMCSC (United States EMC Standards Corp.)

- ANSI C63.10-2020, Standard of procedures for compliance testing of unlicensed wireless devices  (revision of ANSI C63.10-2013)
  PINS Date: Nov 27, 2015 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 10, 2020 | Approved

  PINS Date: May 7, 2010 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 28, 2014 | Approved

- ANSI C63.2-2016, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz Specifications  (revision of ANSI C63.2-2009)
  PINS Date: May 24, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Jun 12, 2009 | Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved

- ANSI C63.5-2019, Draft Standard for Electromagnetic Compatibility - Radiated Emission Measurements in Electromagnetic Interference (EMI) Control - Calibration and Qualification of Antennas (9 kHz to 40 GHz) Corrigendum 1  (revision of ANSI C63.5-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 3, 2019 | Approved

- ANSI C63.9-2008 (R2014), Standard for RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts  (reaffirmation of ANSI C63.9-2008)
  Public Review Date: Dec 27, 2013 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/IEEE C63.4-2014, Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz  (revision of ANSI C63.4-2009)
  PINS Date: Mar 11, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Jun 13, 2014 | Approved

USTMA (U.S. Tire Manufacturers Association)

  PINS Date: Jan 22, 2016 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 27, 2017 | Approved
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<td>Ophthalmics - Contact Lens Care Products - Vocabulary, Performance Specifications, And Test Methodology (reaffirmation of ANSI Z80.18-2016)</td>
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<td>Nonprescription Sunglass and Fashion Eyewear Requirements (revision of ANSI Z80.3-2015)</td>
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### Approved American National Standards

**VC (ASC Z80) (The Vision Council)**

- **ANSI Z80.35-2018**, Extended Depth of Focus (EDF) Lenses  (new standard)  
  PINS Date: Nov 7, 2014 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 25, 2018 | Approved

- **ANSI Z80.36-2021**, Light Hazard Protection for Ophthalmic Instruments  (revision of ANSI Z80.36-2016)  
  PINS Date: Mar 13, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 9, 2021 | Approved

  Public Review Date: Aug 20, 2021 | Final Action Date: Nov 9, 2021 | Approved

- **ANSI Z80.38-2017 (R2021)**, Ophthalmics - Light Hazard From Operation Microscopes Used In Ocular Surgery  
  (reaffirmation of ANSI Z80.38-2017)  
  Public Review Date: Aug 20, 2021 | Final Action Date: Nov 9, 2021 | Approved

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

- **ANSI Z80.9-2020**, Devices for Low Vision  (revision of ANSI Z80.9-2010 (R2015))  
  PINS Date: Aug 24, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 9, 2020 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

- **ANSI/ISO 7998-2016**, Spectacle Frames- Lists of Equivalent Terms and Vocabulary  (identical national adoption of ISO 7988)  
  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

**VITA (VMEbus International Trade Association (VITA))**

929 W. Portobello Avenue, Mesa, AZ  85210 | w: www.vita.com

- **ANSI/VITA 1-1994 (S2021)**, VME64  (stabilized maintenance of ANSI/VITA 1-1994 (R2002))  
  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

  Public Review Date: Oct 24, 2008 | Final Action Date: Nov 4, 2011 | Approved

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

- **ANSI/VITA 1.5-2003 (S2014)**, 2eSST  (stabilized maintenance of ANSI/VITA 1.5-2003 (R2009))  
  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

- **ANSI/VITA 1.6-2000 (S2021)**, Keying for Conduction Cooled VME64x  (stabilized maintenance of ANSI/VITA 1.6-2000 (R2005))  
  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/VITA 1.7-2003 (S2014)**, Increased Current DIN Connector  (stabilized maintenance of ANSI/VITA 1.7-2003 (R2009))  
  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

  Public Review Date: Jan 27, 2012 | Final Action Date: Mar 29, 2012 | Approved
VITA (VMEbus International Trade Association (VITA))

  Public Review Date: Mar 5, 2010 | Final Action Date: Nov 4, 2011 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Jan 27, 2022 | Approved

- ANSI/VITA 17.3-2018, Serial Front Panel Data Port (sFPDP) Gen 3.0 (new standard)
  PINS Date: Dec 15, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: Apr 10, 2018 | Approved

  Public Review Date: Jul 1, 2016 | Final Action Date: Mar 5, 2018 | Approved

  Public Review Date: Mar 5, 2010 | Final Action Date: Nov 4, 2011 | Approved

  Public Review Date: Oct 24, 2008 | Final Action Date: Nov 4, 2011 | Approved

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  Public Review Date: Feb 14, 2014 | Final Action Date: Nov 18, 2014 | Approved

  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

- ANSI/VITA 35-2000 (S2021), PMC-P4 Pin Out Mapping to VME-P0 and VME64x-P2 (stabilized maintenance of ANSI/VITA 35-2000 (R2005))
  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

  Public Review Date: Nov 2, 2012 | Final Action Date: Feb 20, 2013 | Approved

  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

- ANSI/VITA 4-1995 (S2011), IP Modules (stabilized maintenance of ANSI/VITA 4-1995 (R2002))
  Public Review Date: Feb 29, 2008 | Final Action Date: Nov 4, 2011 | Approved

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VITA (VMEbus International Trade Association (VITA))

- ANSI/VITA 40-2020, Status Indicator Standard (new standard)
  PINS Date: Jun 22, 2018 | Public Review Date: May 24, 2019 | Final Action Date: Jan 7, 2020 | Approved

- ANSI/VITA 41.0-2006 (S2018), VXS VMEbus Switched Serial Standard (stabilized maintenance of ANSI/VITA 41.0-2006 (R2011))
  Public Review Date: Apr 28, 2017 | Final Action Date: May 21, 2018 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: May 21, 2018 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: May 21, 2018 | Approved

- ANSI/VITA 41.6-2009 (R2016), VXS 1X Gigabit Ethernet Control Channel Layer Standard (reaffirmation of ANSI/VITA 41.6-2009)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 24, 2016 | Approved

- ANSI/VITA 42.0-2021, XMC Standard (revision of ANSI/VITA 42.0-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 30, 2021 | Approved

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- ANSI/VITA 42.2-2006 (S2018), XMC Serial RapidIO Protocol Layer Standard (stabilized maintenance of ANSI/VITA 42.2-2006 (R2012))
  Public Review Date: Apr 28, 2017 | Final Action Date: May 21, 2018 | Approved

- ANSI/VITA 42.3-2020, XMC PCI Express Protocol Layer Standard (revision of ANSI/VITA 42.3-2014)
  PINS Date: Mar 23, 2018 | Public Review Date: Nov 6, 2020 | Final Action Date: Jul 30, 2020 | Approved

- ANSI/VITA 42.6-2009 (R2015), XMC 10 Gigabit Ethernet 4-Lane Protocol Layer Standard (reaffirmation of ANSI/VITA 42.6-2009)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 31, 2015 | Approved

- ANSI/VITA 46.0-2019, VPX Baseline Standard (revision of ANSI/VITA 46.0-2013)
  PINS Date: Dec 15, 2017 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 1, 2019 | Approved

  Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/VITA 46.10-2009 (R2015), Rear Transition Module for VPX (reaffirmation of ANSI/VITA 46.10-2009)
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- ANSI/VITA 46.11-2022, System Management on VPX Standard (revision of ANSI/VITA 46.11-2015)
  PINS Date: Sep 4, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/VITA 46.3-2012 (R2018), Serial RapidIO on VPX Fabric Connector (reaffirmation of ANSI/VITA 46.3-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: Jun 13, 2018 | Approved

- ANSI/VITA 46.30-2020, Higher Data Rate VPX (new standard)
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VITA (VMEbus International Trade Association (VITA))

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- ANSI/VITA 51.0-2012 (R2018), Reliability Prediction (reaffirmation of ANSI/VITA 51.0-2012)
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- ANSI/VITA 51.2-2016, Physics of Failure Reliability Predictions (revision of ANSI/VITA 51.2-2011)
  PINS Date: Oct 2, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: May 17, 2016 | Approved

- ANSI/VITA 51.3-2010 (R2016), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010)
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- ANSI/VITA 57.4-2018, FPGA Mezzanine Card Plus(FMC+) Standard (new standard)
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  Public Review Date: Feb 29, 2008 | Final Action Date: Nov 4, 2011 | Approved

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- ANSI/VITA 60-2012 (R2018), Alternative Connector for VPX (reaffirmation of ANSI/VITA 60-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: May 21, 2018 | Approved

- ANSI/VITA 61.0-2022, XMC 2.0 (revision of ANSI/VITA 61.0-2014)
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### VITA (VMEbus International Trade Association (VITA))

  - PINS Date: Jan 3, 2014 | Public Review Date: Mar 25, 2016 | Final Action Date: Aug 24, 2016 | Approved

- **ANSI/VITA 62.2-2020, Modular Power Supply Standard for 270v Applications** (new standard)
  - PINS Date: Feb 1, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Jul 10, 2020 | Approved

- **ANSI/VITA 63-2015, Hyperboloid Alternative Connector for VPX** (new standard)
  - PINS Date: Apr 30, 2010 | Public Review Date: Aug 15, 2014 | Final Action Date: Jun 17, 2015 | Approved

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- **ANSI/VITA 66.0-2016, Optical Interconnect on VPX - Base Standard** (revision of ANSI/VITA 66.0-2011)
  - PINS Date: Jun 5, 2015 | Public Review Date: Dec 18, 2015 | Final Action Date: Jul 1, 2016 | Approved

- **ANSI/VITA 66.1-2012, Optical Interconnect on VPX - MT Variant** (new standard)
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- **ANSI/VITA 66.2-2013 (R2018), Optical Interconnect on VPX - ARINC 801 Termini Variant** (reaffirmation of ANSI/VITA 66.2-2013)
  - Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

- **ANSI/VITA 66.3-2012 (R2018), Optical Interconnect on VPX - Mini Expanded Beam Variant** (reaffirmation of ANSI/VITA 66.3-2012)
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- **ANSI/VITA 66.4-2016, Optical Interconnect on VPX - Half Width MT Variant** (new standard)
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- **ANSI/VITA 67.2-2020, Coaxial Interconnect on VPX, 8 Position SMPM** (revision of ANSI/VITA 67.2-2012)
  - PINS Date: Dec 15, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Oct 15, 2020 | Approved

- **ANSI/VITA 67.3-2020, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane** (revision of ANSI/VITA 67.3-2017)
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- **ANSI/VITA 68.0-2017, VPX Compliance Channel Standard** (new standard)
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- **ANSI/VITA 68.1-2017, VPX Compliance Channel - Fixed Signal Integrity Budget Standard** (new standard)
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- **ANSI/VITA 68.2-2021, VPX Standard S-Parameter Definition** (new standard)
  - PINS Date: Nov 29, 2019 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 13, 2021 | Approved

- **ANSI/VITA 74.0-2017, Compliant System Small Form Factor Module Base Standard** (new standard)
  - PINS Date: Mar 9, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Dec 4, 2017 | Approved
VITA (VMEbus International Trade Association (VITA))

- ANSI/VITA 76-2016 (R2021), High Performance Cable Standard - Ruggedized 10 Gbaud Bulkhead Connector for Cu and AOC Cables (reaffirmation of ANSI/VITA 76-2016)
  - Public Review Date: Feb 5, 2021 | Final Action Date: Sep 2, 2021 | Approved

- ANSI/VITA 78-2015, SpaceVPX System Specification (new standard)
  - PINS Date: Nov 21, 2014 | Public Review Date: Feb 6, 2015 | Final Action Date: Apr 2, 2015 | Approved

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- ANSI/VITA 88.0-2021, Switched Mezzanine Card Plus (XMC+) Standard (new standard)
  - PINS Date: Feb 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 9, 2021 | Approved

WCMA (Window Covering Manufacturers Association)

- ANSI/WCMA A100.1-2018, Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2014)
  - PINS Date: May 12, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 8, 2018 | Approved

WDMA (Window and Door Manufacturers Association)

  - PINS Date: Mar 16, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Jan 15, 2021 | Approved

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WMA (World Millwork Alliance)

  - PINS Date: Mar 31, 2017 | Public Review Date: Sep 1, 2017 | Final Action Date: Nov 28, 2017 | Approved

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

- ANSI O1.1-2013, Standard for Woodworking Machinery Safety Requirements (revision of ANSI O1.1-2009)
  - PINS Date: Feb 22, 2013 | Public Review Date: May 24, 2013 | Final Action Date: Aug 22, 2013 | Approved

  - PINS Date: Dec 26, 2014 | Public Review Date: Jan 16, 2015 | Final Action Date: Apr 7, 2015 | Approved

- ANSI/WMMA O1.1-3-2014, Safety Requirements for CNC Machining Centers for the Woodworking Industry (new standard)
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- ANSI/WMMA O1.1-4-2015, Safety Requirements for Shapers (new standard)
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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)
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