Approved American National Standards

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

Listed below are Approved American National Standards (ANS) as of 8/22/2022. 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). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer.

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

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

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

- ANSI/3A 00-01-2018, 3-A Sanitary Standard for General Requirements (revision and redesignation of ANSI/3-A 00-00-2014)
  PINS Date: Dec 25, 2015 | Public Review Date: Oct 7, 2016 | Final Action Date: Feb 1, 2018 | Approved

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

  PINS Date: Dec 11, 2009 | Public Review Date: Jul 20, 2012 | Final Action Date: Mar 28, 2013 | Approved

- ANSI/RIA R15.08-1-2020, Industrial Mobile Robots -- Safety Requirements -- Part 1: Requirements for the IndustrialMobile Robot (new standard)
  PINS Date: Mar 6, 2015 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 18, 2020 | Approved

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

  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI H35.2-2017, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2-2013)
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI H35.2M-2017, Standard Dimensional Tolerances for Aluminum Mill Products (revision of ANSI H35.2M-2013)
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI H35.3-2017, Standard Designation System for Aluminum Hardeners (revision of ANSI H35.3-1997 (R2013))
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI H35.4-2017, Standard Designation System for Unalloyed Aluminum (revision of ANSI H35.4-2006 (R2013))
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI H35.5-2013 (R2017), Standard Nomenclature System for Aluminum Metal Matrix Composite Materials (reaffirmation of ANSI H35.5-2013)
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved
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<td>PINS Date: Dec 28, 2012</td>
<td>Public Review Date: Jun 26, 2015</td>
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| **AAFS (American Academy of Forensic Sciences)** | ANSI/AAFS ASB BPR 052-2022, Best Practice Recommendation for the Detection and Collection of Footwear and Tire Impression Evidence | Approved |
|                                                  | PINS Date: Nov 1, 2019 | Public Review Date: Feb 19, 2021 | Final Action Date: Feb 4, 2022 |

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

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

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

|                                                  | PINS Date: Feb 10, 2017 | Public Review Date: Nov 9, 2018 | Final Action Date: Sep 16, 2019 |

| **AAFS (American Academy of Forensic Sciences)** | ANSI/ASB BPR 049-2020, Best Practice Recommendation for Lifting of Footwear and Tire Impression Evidence | Approved |
|                                                  | PINS Date: Jun 21, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Aug 7, 2020 |

| **AAFS (American Academy of Forensic Sciences)** | ANSI/ASB BPR 050-2021, Best Practice Recommendation for Photographic Documentation of Footwear and Tire Impression Evidence | Approved |
|                                                  | PINS Date: Jun 21, 2019 | Public Review Date: Aug 5, 2021 | Final Action Date: Aug 5, 2021 |

| **AAFS (American Academy of Forensic Sciences)** | ANSI/ASB BPR 060-2021, Guidelines for Barrel and Overall Length Measurements for Firearms | Approved |
|                                                  | PINS Date: Oct 5, 2018 | Public Review Date: Apr 30, 2021 | Final Action Date: Dec 15, 2021 |

| **AAFS (American Academy of Forensic Sciences)** | ANSI/ASB BPR 068-2020, Safe Handling of Firearms and Ammunition | Approved |
|                                                  | PINS Date: May 25, 2018 | Public Review Date: Aug 27, 2020 | Final Action Date: Aug 27, 2020 |

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

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

| **AAFS (American Academy of Forensic Sciences)** | ANSI/ASB BPR 108-2021, Forensic Odontology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority | Approved |
|                                                  | PINS Date: Oct 19, 2018 | Public Review Date: Jan 8, 2021 | Final Action Date: Dec 9, 2021 |
| ANSI/ASB BPR 126-2020, Best Practice Recommendation for Casting of Footwear and Tire Impression Evidence (new standard) |
| PINS Date: Aug 2, 2019 | Public Review Date: Nov 29, 2019 | Final Action Date: Oct 29, 2020 | Approved |

| ANSI/ASB Std 006-2019, Best Practice Recommendation for DNA Analysis for Human Identification in Mass Fatality Incidents (new standard) |
| PINS Date: Oct 14, 2016 | Public Review Date: Jun 29, 2018 | Final Action Date: Feb 5, 2019 | Approved |

| ANSI/ASB Std 007-2018, Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System Databases (new standard) |
| PINS Date: Oct 14, 2016 | Public Review Date: May 26, 2017 | Final Action Date: May 17, 2018 | Approved |

| ANSI/ASB Std 009-2019, Examination Of Human Remains By Forensic Pathologists In The Disaster Victim Identification Context (new standard) |
| PINS Date: Oct 14, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Feb 5, 2019 | Approved |

| ANSI/ASB Std 011-2022, Scope of Expertise in Forensic Document Examination (new standard) |
| PINS Date: Oct 28, 2016 | Public Review Date: Aug 26, 2018 | Final Action Date: Aug 9, 2022 | Approved |

| ANSI/ASB Std 017-2018, Standard Practices for Measurement Traceability in Forensic Toxicology (new standard) |
| PINS Date: Dec 2, 2016 | Public Review Date: Dec 8, 2017 | Final Action Date: Jun 13, 2018 | Approved |

| ANSI/ASB Std 018-2020, Validation Standards for Probabilistic Genotyping Systems (new standard) |
| PINS Date: Dec 2, 2016 | Public Review Date: Nov 15, 2019 | Final Action Date: Jul 15, 2020 | Approved |

| ANSI/ASB Std 019-2019, Wildlife Forensics General Standards (new standard) |
| PINS Date: Dec 9, 2016 | Public Review Date: Oct 12, 2018 | Final Action Date: May 3, 2019 | Approved |

| PINS Date: Dec 23, 2016 | Public Review Date: Dec 8, 2017 | Final Action Date: Sep 11, 2018 | Approved |

| ANSI/ASB Std 022-2019, Standard for Forensic DNA Analysis Training Programs (new standard) |
| PINS Date: Mar 17, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Jul 26, 2019 | Approved |

| ANSI/ASB Std 023-2020, Standard for Training in Forensic DNA Isolation and Purification Methods (new standard) |
| PINS Date: Mar 17, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Jun 22, 2020 | Approved |

| ANSI/ASB Std 024-2021, Standard for Training and Certification of Canine Detection of Humans: Location Check Using Prescented Canines (new standard) |
| PINS Date: Mar 17, 2017 | Public Review Date: Mar 19, 2021 | Final Action Date: Dec 9, 2021 | Approved |

| PINS Date: Mar 17, 2017 | Public Review Date: Mar 19, 2021 | Final Action Date: Dec 9, 2021 | Approved |

| ANSI/ASB Std 027-2021, Standard for Training and Certification of Canine Detection of Humans: Patrol Canine Team (new standard) |
| PINS Date: Feb 9, 2018 | Public Review Date: Mar 19, 2021 | Final Action Date: Dec 13, 2021 | Approved |

| PINS Date: Jun 2, 2017 | Public Review Date: Oct 12, 2018 | Final Action Date: May 3, 2019 | Approved |

<p>| PINS Date: Jun 2, 2017 | Public Review Date: Oct 12, 2018 | Final Action Date: May 3, 2019 | Approved |</p>
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<td>ANSI/ASB Std 032-2020</td>
<td>Standards for a Bloodstain Pattern Analyst™s Training Program  (new standard)</td>
<td>Apr 27, 2018</td>
<td>Aug 9, 2019</td>
<td>Apr 21, 2020</td>
<td>Approved</td>
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<td>ANSI/ASB Std 037-2019</td>
<td>Guidelines for Opinions and Testimony in Forensic Toxicology  (new standard)</td>
<td>Jun 9, 2017</td>
<td>Jun 22, 2018</td>
<td>Jan 18, 2019</td>
<td>Approved</td>
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<td>ANSI/ASB Std 054-2021</td>
<td>Standard for a Quality Control Program in Forensic Toxicology Laboratories  (new standard)</td>
<td>May 18, 2018</td>
<td>Apr 30, 2021</td>
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<td>088-2020</td>
<td>General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines</td>
<td>May 11, 2018</td>
<td>Jul 12, 2019</td>
<td>Feb 13, 2020</td>
<td>Approved</td>
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<tr>
<td>105-2021</td>
<td>Minimum Education Requirements for Firearm and Toolmark Examiner Trainees</td>
<td>Nov 9, 2018</td>
<td>Aug 30, 2019</td>
<td>Sep 17, 2021</td>
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**AAFS (American Academy of Forensic Sciences)**

  PINS Date: Jun 14, 2019 | Public Review Date: Jul 24, 2020 | Final Action Date: Jul 28, 2021 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Sep 20, 2021 | Approved

- ANSI/ASB Std 125-2021, Organizational and Foundational Standard for Medicolegal Death Investigation (new standard)
  PINS Date: Aug 2, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 15, 2021 | Approved

- ANSI/ASB Std 130-2021, Standard for Training in Forensic DNA Amplification Methods for Subsequent Capillary Electrophoresis Sequencing (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI/ASB Std 131-2021, Standard for Training in Forensic DNA Sequencing using Capillary Electrophoresis (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Aug 5, 2021 | Approved

- ANSI/ASB Std 134-2021, Standard for Analyzing Pathological Conditions and Anomalies in Forensic Anthropology. (new standard)
  PINS Date: Nov 15, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI/ASB Std 138-2022, Standard for Collection of Known DNA Samples from Domestic Mammals (new standard)
  PINS Date: Oct 25, 2019 | Public Review Date: Nov 12, 2021 | Final Action Date: May 4, 2022 | Approved

- ANSI/ASB Std 140-2021, Standard for Training in Forensic Human Mitochondrial DNA Analysis, Interpretation, Comparison, Statistical Evaluation, and Reporting (new standard)
  PINS Date: Apr 17, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/ASB Std 146-2021, Standard for Resolving Commingled Remains in Forensic Anthropology (new standard)
  PINS Date: May 29, 2020 | Public Review Date: Jun 4, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/ASB Std 149-2022, Standard for Taphonomic Observations in Support of the Postmortem Interval (new standard)
  PINS Date: Jun 26, 2020 | Public Review Date: Dec 3, 2021 | Final Action Date: Jun 9, 2022 | Approved

- ANSI/ASB Std 150-2021, Standard for Determination of Medicolegal Significance from Skeletal Remains in Forensic Anthropology (new standard)
  PINS Date: Jun 26, 2020 | Public Review Date: Feb 5, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/ASB Std 152-2021, Standard for the Minimum Content Requirements of Forensic Toxicology Procedures (new standard)
  PINS Date: Jun 12, 2020 | Public Review Date: May 21, 2021 | Final Action Date: Sep 24, 2021 | Approved

**AAMI (Association for the Advancement of Medical Instrumentation)**

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

  Public Review Date: Aug 17, 2012 | Final Action Date: May 8, 2014 | Approved
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<tr>
<td>ANSI/AAMI 2700-2-1-2022</td>
<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</td>
<td>new standard</td>
<td>Aug 23, 2019</td>
<td>Jun 26, 2020</td>
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<td>Approved</td>
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<td>ANSI/AAMI CN27-2021</td>
<td>General requirements for Luer activated valves (LAVs) incorporated into medical devices for intravascular applications</td>
<td>new standard</td>
<td>Jul 29, 2016</td>
<td>Jun 18, 2021</td>
<td>Oct 26, 2021</td>
<td>Approved</td>
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<td>ANSI/AAMI EQ93-2019, Medical equipment management - Vocabulary used in medical equipment programs</td>
<td>new standard</td>
<td>Apr 29, 2016</td>
<td>Jul 20, 2018</td>
<td>Apr 18, 2019</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

  - PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 1, 2022 | Approved

  - PINS Date: Nov 8, 2013 | Public Review Date: Mar 27, 2015 | Final Action Date: Aug 25, 2015 | Approved

  - PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 18, 2022 | Approved

  - Public Review Date: Apr 27, 2018 | Final Action Date: Aug 10, 2018 | Approved

  - PINS Date: Jul 28, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Mar 1, 2022 | Approved

  - PINS Date: Sep 20, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Mar 26, 2020 | Approved

- ANSI/AAMI NS4-2013 (R2017), Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013)
  - Public Review Date: Jul 28, 2017 | Final Action Date: Nov 8, 2017 | Approved

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

- ANSI/AAMI RD47-2020, Reprocessing of hemodialyzers (revision of ANSI/AAMI RD47-2008 (R2013))
  - PINS Date: Jul 26, 2019 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 16, 2020 | Approved

  - Public Review Date: Jan 31, 2014 | Final Action Date: Sep 26, 2014 | Approved

  - PINS Date: Sep 23, 2011 | Public Review Date: May 25, 2012 | Final Action Date: Jul 17, 2014 | Approved

  - PINS Date: Oct 28, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: Aug 23, 2012 | Approved

  - Public Review Date: Aug 14, 2015 | Final Action Date: Nov 23, 2015 | Approved
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<td>ANSI/AAMI ST40-2004 (R2018)</td>
<td>Table-top dry heat (heated air) sterilization and sterility assurance in health care facilities (reaffirmation of ANSI/AAMI ST40-2004 (R2010))</td>
<td>Approved</td>
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<tr>
<td>ANSI/AAMI ST50-2004 (R2018)</td>
<td>Dry heat (heated air) sterilizers (reaffirmation of ANSI/AAMI ST50-2004 (R2010))</td>
<td>Approved</td>
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<tr>
<td>ANSI/AAMI ST55-2016</td>
<td>Table-top steam sterilizers (revision of ANSI/AAMI ST55-2010 (R2014))</td>
<td>Approved</td>
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<td>ANSI/AAMI ST67-2019</td>
<td>Sterilization of health care products - Requirements and guidance for selecting a sterility assurance level (SAL) for products labeled sterile (revision of ANSI/AAMI ST67-2011 (R2017))</td>
<td>Approved</td>
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<tr>
<td>ANSI/AAMI ST72-2019</td>
<td>Bacterial endotoxin - Test methods, routine monitoring and alternatives to batch testing (revision of ANSI/AAMI ST72-2011 (R2016))</td>
<td>Approved</td>
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<tr>
<td>ANSI/AAMI ST79-2017</td>
<td>Comprehensive guide to steam sterilization and sterility assurance in health care facilities (revision of ANSI/AAMI ST79-2010 (R2014))</td>
<td>Approved</td>
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PINS Date: Feb 22, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Dec 18, 2020 | Approved

PINS Date: Feb 22, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Oct 26, 2020 | Approved

ANSI/AAMI ST8-2013 (R2018), Hospital steam sterilizers  (reaffirmation of ANSI/AAMI ST8-2013)  
Public Review Date: Mar 30, 2018 | Final Action Date: Aug 17, 2018 | Approved

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 ST98-2022, Cleaning validation of health care products - Requirements for development and validation of a cleaning process for medical devices  (new standard)  
PINS Date: Apr 20, 2018 | Public Review Date: May 28, 2021 | Final Action Date: Jun 17, 2022 | 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

ANSI/AAMI/IEC 60601-1-2-16-2018, Medical electrical equipment - Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment  (identical national adoption of IEC 60601-1-8-2008/A2-2021)  
PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 1, 2022 | Approved
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<td>Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment</td>
<td>PINS Date: Mar 11, 2011</td>
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<td>ANSI/AAMI/IEC 60601-2-2-2017</td>
<td>Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories</td>
<td>PINS Date: Feb 12, 2016</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

- 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

  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
AAMI (Association for the Advancement of Medical Instrumentation)

  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

  PINS Date: Aug 28, 2015 | Public Review Date: Sep 25, 2015 | Final Action Date: Dec 27, 2016 | Approved

- ANSI/AAMI/IEC 80601-2-77-2020, Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment (identical national adoption of IEC 80601-2-77 ED1)
  PINS Date: Jan 11, 2019 | Public Review Date: May 3, 2019 | Final Action Date: Aug 3, 2020 | Approved

- ANSI/AAMI/IEC 80601-2-78-2020, Medical electrical equipment - Part 2-78: Particular requirements for the basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation (identical national adoption of IEC 80601-2-78)
  PINS Date: Jan 11, 2019 | Public Review Date: May 3, 2019 | Final Action Date: Aug 3, 2020 | Approved

  PINS Date: Aug 16, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 27, 2020 | Approved

  Public Review Date: Jul 11, 2014 | Final Action Date: Oct 8, 2014 | Approved

  PINS Date: Aug 16, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 27, 2020 | Approved

  PINS Date: Aug 7, 2009 | Public Review Date: Jun 25, 2010 | Final Action Date: Jul 26, 2012 | Approved

  Public Review Date: Jul 11, 2014 | Final Action Date: Oct 8, 2014 | Approved

  Public Review Date: Jun 17, 2011 | Final Action Date: Nov 16, 2011 | Approved

  Public Review Date: Jun 17, 2011 | Final Action Date: Nov 16, 2011 | Approved
- PINS Date: Aug 30, 2019
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- Public Review Date: Jul 11, 2014
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- Approved

- PINS Date: Feb 9, 2007
- Public Review Date: Mar 8, 2013
- Final Action Date: Aug 14, 2014
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- PINS Date: Dec 18, 2015
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- Final Action Date: Apr 27, 2020
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- Approved

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AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Jul 20, 2012 | Public Review Date: Oct 26, 2012 | Final Action Date: Dec 30, 2013 | Approved

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  Public Review Date: Jul 20, 2018 | Final Action Date: May 1, 2019 | 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
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<th>Standard</th>
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<td>ANSI/AAMI/ISO 11140-4-2012 (R2015)</td>
<td>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))</td>
<td>Public Review Date: Sep 4, 2015</td>
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<td>ANSI/AAMI/ISO 11658-2012</td>
<td>Cardiovascular implants and extracorporeal systems - Blood/tissue contact surface modifications for extracorporeal perfusion systems (identical national adoption of ISO 11658)</td>
<td>PINS Date: Oct 23, 2009</td>
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<td>ANSI/AAMI/ISO 13022-2012</td>
<td>Medical products containing viable human cells -- Application of risk management and requirements for processing practices (identical national adoption of ISO 13022)</td>
<td>PINS Date: May 8, 2009</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

  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

  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

  Public Review Date: May 1, 2015 | Final Action Date: Aug 3, 2015 | Approved

  Public Review Date: Aug 16, 2013 | Final Action Date: Nov 26, 2013 | Approved

  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

Public Review Date: Jun 17, 2011 | Final Action Date: Nov 16, 2011 | Approved

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 cardiectomy/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
AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Dec 11, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Jul 7, 2016 | Approved

  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

  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

  PINS Date: Sep 11, 2015 | Public Review Date: Nov 27, 2015 | Final Action Date: Nov 17, 2016 | Approved

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  PINS Date: Dec 16, 2011 | Public Review Date: Aug 24, 2012 | Final Action Date: Dec 4, 2012 | Approved

  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
AAMI (Association for the Advancement of Medical Instrumentation)

  Public Review Date: Mar 27, 2015 | Final Action Date: Dec 6, 2016 | Approved

  PINS Date: Oct 4, 2013 | Public Review Date: Sep 22, 2017 | Final Action Date: Dec 16, 2019 | Approved

  PINS Date: May 24, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Apr 20, 2015 | Approved

- 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

  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 applications - 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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AAMI (Association for the Advancement of Medical Instrumentation)

  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)

  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: Jul 7, 2020 | Approved

  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

  PINS Date: Apr 24, 2015 | Public Review Date: Jul 20, 2018 | Final Action Date: Jun 28, 2019 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved
AARST (American Association of Radon Scientists and Technologists)

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

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  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

- ANSI/AARST RRNC-2020, Rough-in of Radon Control Components in New Construction of 1 & 2 Family Dwellings and Townhouses (new standard)
  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)

- 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)

- 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

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

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ABMA (ASC B3) (American Bearing Manufacturers Association)

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  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 Temper 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

  PINS Date: Jun 26, 2015 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 3, 2020 | Approved

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  PINS Date: Jul 20, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 18, 2018 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Sep 3, 2020 | Approved
ABMA (ASC B3) (American Bearing Manufacturers Association)

- ANSI/ABMA 20-2011 (R2020), Radial Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design
  (reaffirmation of ANSI/ABMA 20-2011)
  Public Review Date: May 8, 2020 | Final Action Date: Sep 8, 2020 | Approved

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

  (stabilized maintenance of ANSI/ABMA 21.2-1988 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 22.2-1988 (S2020), Spherical Plain Radial Bearings, Joint Type - Inch Design
  (stabilized maintenance of ANSI/ABMA 22.2-1988 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 23.2-1988 (S2020), Thrust Bearings of Tapered Roller Type - Inch Design
  (stabilized maintenance of ANSI/ABMA 23.2-1988 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 24.1-1989 (S2020), Thrust Bearings of Ball, Cylindrical Roller and Spherical Roller Types - Metric Design
  (stabilized maintenance of ANSI/ABMA 24.1-1989 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 24.2-1989 (S2020), Thrust Bearings of Ball and Cylindrical Roller Types - Inch Design
  (stabilized maintenance of ANSI/ABMA 24.2-1989 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 25.2-1990 (S2020), Rolling Bearings, Linear Motion Recirculating Ball, Sleeve Type - Inch Series
  (stabilized maintenance of ANSI/ABMA 25.2-1990 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 26.2-1994 (S2013), Thin Section Ball Bearings - Inch design
  (stabilized maintenance of ANSI/ABMA 26.2-1994 (R2008))
  Public Review Date: Nov 1, 2013 | Final Action Date: Jan 10, 2014 | Approved

- ANSI/ABMA 4-1994 (S2013), Tolerance Definition and Gauging Practices for Ball and Roller Bearings
  (stabilized maintenance of ANSI/ABMA 4-1994 (R2008))
  Public Review Date: Nov 1, 2013 | Final Action Date: Jan 10, 2014 | Approved

- ANSI/ABMA 7-1995 (S2013), Shaft and Housing Fits for Metric Radial Ball and Roller Bearings
  (Except Tapered Roller Bearings) Conforming to Basic Boundary Plans
  (stabilized maintenance of ANSI/ABMA 7-1995 (R2008))
  Public Review Date: Nov 1, 2013 | Final Action Date: Jan 10, 2014 | Approved

- ANSI/ABMA 8.1-1990 (S2020), Ball and Roller Bearing Mounting Accessories - Metric Design
  (stabilized maintenance of ANSI/ABMA 8.1-1990 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA 8.2-1999 (S2020), Ball and Roller Bearing Mounting Accessories - Inch Design
  (stabilized maintenance of ANSI/ABMA 8.2-1999 (R2008))
  PINS Date: Dec 25, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: May 19, 2010 | Approved

- ANSI/ABMA/ISO 10285-2009 (R2015), Rolling bearings - Sleeve type linear ball bearings - Boundary dimensions and tolerances
  (reaffirm a national adoption ANSI/ABMA/ISO 10285-2009)
  PINS Date: Sep 26, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 8, 2015 | Approved
ABMA (ASC B3) (American Bearing Manufacturers Association)

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 13, 2015 | Final Action Date: Feb 26, 2016 | Approved

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

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<td>w: <a href="http://www.abmsp.org">http://www.abmsp.org</a></td>
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<td>ANSI/ABMSP SDO 001-2018, Inserts for Diabetic Footwear (new standard)</td>
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<tr>
<td>6300 Enterprise Lane, Madison, WI 53719</td>
<td>w: <a href="http://www.appliedbuildingtech.com">www.appliedbuildingtech.com</a></td>
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<td>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)</td>
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<td>Final Action Date: Oct 11, 2018</td>
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<tr>
<td>613 Third Street, Suite 10, Annapolis, MD 21403</td>
<td>w: <a href="http://www.abycinc.org">www.abycinc.org</a></td>
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| PINS Date: Oct 27, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 15, 2018 | Approved |

| PINS Date: Oct 16, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jul 6, 2021 | Approved |

| 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) |  |
| Public Review Date: Apr 16, 2021 | Final Action Date: Jul 6, 2021 | Approved |

| ANSI/ABYC A-30-2018, COOKING APPLIANCES WITH INTEGRAL LPG CYLINDERS (revision of ANSI/ABYC A-30-2013) |  |
| PINS Date: Oct 20, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 15, 2018 | Approved |

| ANSI/ABYC A-31-2020, Battery Chargers And Inverters (revision of ANSI/ABYC A-31-2015) |  |
| PINS Date: Sep 27, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Jun 30, 2020 | Approved |

| PINS Date: Oct 8, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jul 11, 2022 | Approved |
ABYC (American Boat and Yacht Council)

  PINS Date: Nov 22, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Jun 30, 2020 | Approved

- 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

- ANSI/ABYC C-1-2021, Primer Bulbs (revision of ANSI/ABYC C-1-2016)
  PINS Date: Sep 25, 2020 | Public Review Date: Mar 20, 2020 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/ABYC C-1500-2019, Ignition Protection for Marine Products (new standard)
  PINS Date: Sep 14, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jul 1, 2019 | Approved

- ANSI/ABYC C-2-2021, Carbon Canisters For Marine Applications (revision of ANSI/ABYC C-2-2016)
  PINS Date: Oct 16, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/ABYC C-3-2022, Alcohol, Kerosene, And Solidified Fuel Cooking Appliances For Marine Use (revision of ANSI/ABYC C-3-2018)
  PINS Date: Oct 1, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Jul 12, 2022 | Approved

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

- ANSI/ABYC C-7-2021, Battery Switches For Use On Boats (new standard)
  PINS Date: Nov 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/ABYC E-10-2021, STORAGE BATTERIES (revision of ANSI/ABYC E-10-2016)
  PINS Date: Sep 25, 2020 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/ABYC E-11-2021, AC AND DC ELECTRICAL SYSTEMS ON BOATS (revision of ANSI/ABYC E-11-2018)
  PINS Date: Nov 13, 2020 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/ABYC E-13-2022, Lithium Ion Batteries (new standard)
  PINS Date: Nov 5, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI/ABYC E-2-2019, Cathodic Protection (new standard)
  PINS Date: Oct 13, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: May 21, 2019 | Approved

- ANSI/ABYC E-30-2021, ELECTRIC PROPULSION SYSTEMS (revision of ANSI/ABYC E-30-2018)
  PINS Date: Sep 25, 2020 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 6, 2021 | Approved

  PINS Date: Feb 8, 2019 | Public Review Date: Apr 24, 2020 | Final Action Date: Jan 6, 2022 | Approved

- ANSI/ABYC EDU-2-2022, On-Water Recreational Boating Skills Human-Propelled (revision of ANSI/ABYC EDU-2-2016)
  PINS Date: Mar 27, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jul 25, 2022 | Approved

  PINS Date: Oct 15, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Jul 14, 2022 | Approved
ABYC (American Boat and Yacht Council)

- ANSI/ABYC EDU-4-2022, On-Water Recreational Boating Skills – Instruction (revision of ANSI/ABYC EDU-4-2018)
PINS Date: Oct 15, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Jul 14, 2022 | Approved

PINS Date: Sep 23, 2016 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 9, 2019 | Approved

- ANSI/ABYC H-2-2021, VENTILATION OF BOATS USING GASOLINE (revision of ANSI/ABYC H-2-2013)
PINS Date: Oct 13, 2017 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

PINS Date: Oct 23, 2015 | Public Review Date: Oct 18, 2019 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ABYC H-23-2020, WATER SYSTEMS ON BOATS (new standard)
PINS Date: Sep 14, 2018 | Public Review Date: May 8, 2020 | Final Action Date: Jun 6, 2020 | Approved

PINS Date: Oct 29, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

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 (revision of ANSI/ABYC H-26-2016)
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 (new standard)
PINS Date: Sep 14, 2018 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved

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

PINS Date: Nov 12, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jun 23, 2022 | Approved

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

PINS Date: Sep 24, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Jun 16, 2022 | Approved

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

PINS Date: Oct 20, 2017 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 15, 2018 | Approved

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

PINS Date: Sep 24, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 23, 2022 | Approved

PINS Date: Sep 24, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jun 9, 2022 | Approved
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<td>ANSI/ABYC P-4-2019</td>
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<td>Warnings And Safety Signs For Boats (new standard)</td>
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ABYC (American Boat and Yacht Council)

- 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

  PINS Date: Apr 3, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: May 1, 2015 | Public Review Date: Oct 16, 2015 | Final Action Date: Feb 5, 2016 | Approved

  PINS Date: Apr 3, 2009 | Public Review Date: Feb 21, 2014 | Final Action Date: May 12, 2014 | Approved

  PINS Date: May 11, 2018 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/ACCA 5 QI Addendum-2010, HVAC Quality Installation Specification (supplement to ANSI/ACCA 5 QI-2010)
  PINS Date: Feb 1, 2013 | Public Review Date: Apr 12, 2013 | Final Action Date: May 28, 2013 | Approved

- ANSI/ACCA 5 QI-2015, HVAC Quality Installation Specifications (revision of ANSI/ACCA 5 QI-2010)
  PINS Date: May 17, 2013 | Public Review Date: May 1, 2015 | Final Action Date: Jun 19, 2015 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI/ACCA 9 QIvP Standard-2016, HVAC Quality Installation Verification Protocols (revision of ANSI/ACCA 9 QIvP -2011)
  PINS Date: May 2, 2014 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 20, 2016 | Approved

ACCT (Association for Challenge Course Technology)

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

- ANSI/ACCT 03-2019, Challenge Course and Canopy/Zip Line Tours Standards (revision of ANSI/ACCT 03-2016)
  PINS Date: Oct 6, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Jul 18, 2019 | Approved
ACDE (Association of Commercial Diving Educators)
1500 Liberty Place, Sicklerville, NJ  08081 | w: www.acde.us.com

- ANSI/ACDE 01-2015, Commercial Diver Training Minimum Standard  (revision of ANSI/ACDE 01-2009)
  PINS Date: Mar 21, 2014 | Public Review Date: Apr 25, 2014 | Final Action Date: Jan 7, 2015 | Approved

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

- ANSI/ACI 318-2019, Building Code Requirements for Structural Concrete and Commentary  (new standard)
  PINS Date: Sep 14, 2018 | Public Review Date: Dec 21, 2018 | Final Action Date: Dec 20, 2019 | Approved

  PINS Date: Apr 16, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: May 6, 2022 | Approved

ACMA (American Composites Manufacturers Association)
3033 Wilson Boulevard, Suite 420, Arlington, VA  22201 | w: www.icpa-hq.org

  PINS Date: Nov 27, 2015 | Public Review Date: Mar 30, 2018 | Final Action Date: Jul 31, 2019 | Approved

  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)
1501 M Street NW, Suite 1000, Washington, DC  22205 | w: www.cleanpower.org

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

- ANSI/ACP 111-1-2022, Wind Turbine Sound Modeling  (new standard)
  PINS Date: Sep 17, 2021 | Public Review Date: Dec 3, 2021 | Final Action Date: Mar 24, 2022 | Approved

- ANSI/ACP 5000-1-2022, The Wind Workforce Definitions 2020  (new standard)
  PINS Date: May 15, 2020 | Public Review Date: Jun 26, 2020 | Final Action Date: Mar 8, 2022 | Approved

- ANSI/ACP 5000-2-2022, Wind Tech Entry-Level Minimum Standard  (new standard)
  PINS Date: May 15, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 8, 2022 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: Mar 18, 2022 | Final Action Date: Jun 14, 2022 | Approved
ACP (American Clean Power Association)

  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)

211 East Chicago Avenue, Chicago, IL  60611-2678 | w: www.ada.org

  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

  PINS Date: May 8, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | Approved

  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved

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## Approved American National Standards

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

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<td>ANSI/ADA Standard No. 108, Addendum-2011 (R2022)</td>
<td>Amalgam Separators Addendum (reaffirm a national adoption)</td>
<td>Oct 1, 2021</td>
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<td>ANSI/ADA Standard No. 1084-2019</td>
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  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | Approved

  PINS Date: Aug 30, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | Approved

  PINS Date: Mar 17, 2017 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

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The data in this document is reported as of Monday, August 22, 2022

### ANSI/ADA Standard No. 38-2020, Compatibility Testing for Metal-Ceramic and Ceramic-Ceramic Systems
- **PINS Date:** May 8, 2020  
  **Public Review Date:** Aug 21, 2020  
  **Final Action Date:** Dec 21, 2020  
  **Approved**

### ANSI/ADA Standard No. 39-2020, Pit and Fissure Sealants
- **PINS Date:** Apr 20, 2018  
  **Public Review Date:** Aug 30, 2019  
  **Final Action Date:** Jan 31, 2020  
  **Approved**

### ANSI/ADA Standard No. 3950-2015, Designation System for Teeth and Areas of the Oral Cavity
- **Reaffirmation and redesignation of ANSI/ADA/ISO No. 3950-2010**
- **Public Review Date:** Aug 21, 2015  
  **Final Action Date:** Dec 30, 2015  
  **Approved**

### ANSI/ADA Standard No. 41-2020, Evaluation of Biocompatibility of Medical Devices Used in Dentistry
- **National adoption of ISO 7405:2008 with modifications and revision of ANSI/ADA Standard No. 41-2015**
- **PINS Date:** Aug 30, 2019  
  **Public Review Date:** Jan 31, 2020  
  **Final Action Date:** May 7, 2020  
  **Approved**

### ANSI/ADA Standard No. 43-2020, Electrically Powered Dental Amalgamators
- **PINS Date:** Aug 30, 2019  
  **Public Review Date:** Jan 31, 2020  
  **Final Action Date:** May 7, 2020  
  **Approved**

### ANSI/ADA Standard No. 47-1-2021, Stationary Dental Units and Patient Chairs - Part 1: General Requirements
- **PINS Date:** Aug 30, 2019  
  **Public Review Date:** Mar 12, 2021  
  **Final Action Date:** Jul 7, 2021  
  **Approved**

### ANSI/ADA Standard No. 47-2-2021, Stationary Dental Units and Patient Chairs - Part 2: Air, Water Suction and Wastewater Systems
- **National adoption with modifications of ISO 7494-2:2015**
- **PINS Date:** Aug 30, 2019  
  **Public Review Date:** Mar 12, 2021  
  **Final Action Date:** Jul 7, 2021  
  **Approved**

### ANSI/ADA Standard No. 48-2020, Curing Lights (Powered Polymerization Activators)
- **PINS Date:** Aug 30, 2019  
  **Public Review Date:** Jan 31, 2020  
  **Final Action Date:** May 7, 2020  
  **Approved**

### ANSI/ADA Standard No. 53-2022, Polymer Based Crown and Veneering Materials
- **Identical national adoption of ISO 10477:2020 and revision of ANSI/ADA Standard No. 53-2020**
- **PINS Date:** Mar 5, 2021  
  **Public Review Date:** Jul 16, 2021  
  **Final Action Date:** Jan 31, 2022  
  **Approved**

### ANSI/ADA Standard No. 54-1986 (R2014), Double-Pointed, Parenteral, Single Use Needles for Dentistry
- **Reaffirmation of ANSI/ADA Standard No. 54-1986 (R2009)**
- **Public Review Date:** Feb 14, 2014  
  **Final Action Date:** Sep 8, 2014  
  **Approved**

### ANSI/ADA Standard No. 57-2021, Endodontic Sealing Materials
- **PINS Date:** Aug 21, 2020  
  **Public Review Date:** Mar 12, 2021  
  **Final Action Date:** Jul 7, 2021  
  **Approved**

### ANSI/ADA Standard No. 62-2005 (R2020), Dental Abrasive Pastes
- **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**
ADA (Organization) (American Dental Association)

  Public Review Date: Jun 18, 2010 | Final Action Date: Sep 20, 2010 | Approved

  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

  Public Review Date: Feb 13, 2015 | Final Action Date: Oct 26, 2015 | Approved

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

  PINS Date: Nov 19, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Jul 14, 2022 | Approved

  Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

  Public Review Date: Feb 28, 2014 | Final Action Date: Sep 8, 2014 | Approved

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### ADA (Organization) (American Dental Association)

  **Public Review Date:** Feb 8, 2013  |  **Final Action Date:** May 28, 2013  |  **Approved**

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

- 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)

- 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**

### AGA (ASC Z380) (American Gas Association)

  **Public Review Date:** Dec 24, 2021  |  **Final Action Date:** Mar 1, 2022  |  **Approved**

  **(addenda to ANSI GPTC Z380.1-2022)**  
  **Public Review Date:** Apr 8, 2022  |  **Final Action Date:** Jun 2, 2022  |  **Approved**

### AGMA (American Gear Manufacturers Association)

- 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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<td>Tooth Thickness and Backlash Measurement of Cylindrical Involute Gearing (revision of ANSI/AGMA 2002-C-2016)</td>
<td>PINS Date: Oct 26, 2018</td>
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<td>Design and Selection of Components for Enclosed Gear Drives (revision and redesignation of ANSI/AGMA 6001-E-2008 (R2014))</td>
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<td>ANSI/AGMA 6015-2013 (R2018)</td>
<td>Power Rating of Single and Double Helical Gearing for Rolling Mill Service (reaffirmation of ANSI/AGMA 6015-2013)</td>
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<td>Public Review Date: Jun 8, 2018</td>
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<td>Design Manual for Cylindrical Wormgearing (new standard)</td>
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<td>Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives (revision and redesignation of ANSI/AGMA 6025-D98 (R2016))</td>
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<td>Practice for Enclosed Cylindrical Wormgear Speed Reducers and Gearmotors (revision and redesignation of ANSI/AGMA 6034-B92-2010 (R2016))</td>
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<td>Flexible Couplings -- Potential Unbalance Classification (reaffirmation of ANSI/AGMA 9000-D11-2011 (R2016))</td>
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### AGMA (American Gear Manufacturers Association)

- **ANSI/AGMA 9001-C-2018**, Flexible Couplings - Lubrication  
  (revision and redesignation of ANSI/AGMA 9001-B97 (R2014))
  
PINS Date: Jun 14, 2013 | Public Review Date: Jan 19, 2018 | Final Action Date: Jun 15, 2018 | **Approved**

- **ANSI/AGMA 9002-C2014** (R2020), Bores and Keyways for Flexible Couplings (Inch Series)  
  (reaffirmation of ANSI/AGMA 9002-C2014)
  
Public Review Date: Jul 19, 2019 | Final Action Date: Jun 8, 2020 | **Approved**

- **ANSI/AGMA 9003-C-2017**, Flexible Couplings - Keyless Fits  
  (revision of ANSI/AGMA 9003-B-2008 (R2014))
  
PINS Date: Aug 5, 2016 | Public Review Date: Sep 1, 2017 | Final Action Date: Dec 6, 2017 | **Approved**

- **ANSI/AGMA 9004-B08** (R2020), Flexible Couplings -- Mass Elastic Properties and Other Characteristics  
  (reaffirmation of ANSI/AGMA 9004-B-2008 (R2014))
  
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**

- **ANSI/AGMA 9006-A-2016** (R2021), Flexible Couplings – Basis for Rating  
  (reaffirmation of ANSI/AGMA 9006-A-2016)
  
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**

  (revision and redesignation of ANSI/AGMA 9009-D02 (R2014))
  
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  (revision and redesignation of ANSI/AGMA 9103-B-2008 (R2014))
  
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  (reaffirmation of ANSI/AGMA 9104-2006 (R2012))
  
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  (reaffirmation of ANSI/AGMA 9110-A11-2011 (R2016))
  
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- **ANSI/AGMA 9112-B-2015** (R2020), Bores and Keyways for Flexible Couplings (Metric Series)  
  (reaffirmation of ANSI/AGMA 9112-B-2015)
  
Public Review Date: Jun 12, 2020 | Final Action Date: Dec 7, 2020 | **Approved**

- **ANSI/AGMA ISO 1328-1-2014**, Cylindrical gears - ISO system of flank tolerance classification - Part 1: Definitions and allowable values of deviations relevant to flanks of gear teeth  
  
PINS Date: Dec 20, 2013 | Public Review Date: Jan 17, 2014 | Final Action Date: Sep 30, 2014 | **Approved**

  (identical national adoption of ISO 1328-2:2020)
  
PINS Date: Jan 29, 2021 | Public Review Date: Mar 5, 2021 | Final Action Date: Oct 18, 2021 | **Approved**

  (reaffirm a national adoption of ANSI/AGMA ISO 17485-A-2008)
  
Public Review Date: Jun 14, 2013 | Final Action Date: Mar 12, 2014 | **Approved**
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| ANSI/AHRI Standard 1110 (I-P)-2013, Performance Rating of Mechanical Transport Refrigeration Units  (new standard)  
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| ANSI/AHRI Standard 1111 (SI)-2013, Performance Rating of Mechanical Transport Refrigeration Units  (new standard)  
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- ANSI/AHRI Standard 1350 (I-P)-2014, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard)
  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

- ANSI/AHRI Standard 1351 (SI)-2015, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard)
  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

- ANSI/AHRI Standard 1500-2014, Method to Determine Efficiency of Commercial Space Heating Boilers (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Sep 12, 2014 | Final Action Date: Nov 19, 2014 | Approved

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- 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)  
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- ANSI/AHRI Standard 716 (SI)-2015, Performance Rating of Liquid-Line Filters  (new standard)  
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### AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

  - PINS Date: Jun 26, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | **Approved**

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

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

  - PINS Date: Jun 2, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: May 3, 2018 | **Approved**

  - PINS Date: Mar 6, 2009 | Public Review Date: May 27, 2016 | Final Action Date: Dec 11, 2017 | **Approved**

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  - 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**

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  - PINS Date: Jun 2, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Mar 14, 2019 | **Approved**
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## AISC (American Institute of Steel Construction)

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  PINS Date: May 3, 2019 | Public Review Date: Jan 7, 2022 | Final Action Date: Aug 1, 2022 | Approved

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  PINS Date: Dec 22, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Jun 28, 2018 | Approved

  (supplement to ANSI/AISC N690-2012)  
  PINS Date: Dec 20, 2013 | Public Review Date: Dec 5, 2014 | Final Action Date: Aug 11, 2015 | Approved

AISI (American Iron and Steel Institute)

- ANSI/AISI S100-16/S2-2020, Supplement 2 to North American Specification for the Design of Cold-Formed Steel Structural Members  
  (supplement to ANSI/AISI S100-2016)  
  PINS Date: Jul 5, 2019 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/AISI S100-2016 (R2020), North American Specification for the Design of Cold-Formed Steel Structural Members  
  (reaffirmation of ANSI/AISI S100-2016)  
  Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/AISI S100-2016 (R2020)/S3-2022, Supplement 3 to the 2016 Edition of the North American Specification for the Design of Cold-Formed Steel Structural Members  
  (supplement to ANSI/AISI S100-2016 (R2020) ANSI/AISI S100-16/S2-2020)  
  PINS Date: Feb 19, 2021 | Public Review Date: Jun 10, 2022 | Final Action Date: Aug 10, 2022 | 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

- ANSI/AISI S202-2020, Code of Standard Practice for Cold-Formed Steel Structural Framing  
  (revision of ANSI/AISI S202-2015)  
  PINS Date: Apr 8, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/AISI S220-2020, North American Standard for Cold-Formed Steel Nonstructural Framing  
  (revision of ANSI/AISI S220-2015)  
  PINS Date: Apr 8, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/AISI S230-2019, North American Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings  
  (revision of ANSI/AISI S230-2015)  
  PINS Date: Apr 8, 2016 | Public Review Date: Nov 2, 2018 | Final Action Date: Apr 30, 2019 | Approved

- 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

- ANSI/AISI S250-21/S1-2022, Supplement 1 to the 2021 Edition of the North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing  
  (supplement to ANSI/AISI S250-2021)  
  PINS Date: Dec 17, 2021 | Public Review Date: Apr 1, 2022 | Final Action Date: May 9, 2022 | Approved
AISI (American Iron and Steel Institute)

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- 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

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

- ANSI/AISI S907-2017, Test Standard for Determining the Strength and Stiffness of Cold-Formed Steel Diaphragms by the Cantilever Test Method (revision of ANSI/AISI S907-2013)
  PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

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- ANSI/AISI S909-2017, Test Standard for Determining the Web Crippling Strength of Cold-Formed Steel Flexural Members (revision of ANSI/AISI S909-2013)
  PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/AISI S910-2017, Test Standard for Determining the Distortional Buckling Strength of Cold-Formed Steel Hat-Shaped Compression Members (revision of ANSI/AISI S910-2013)
  PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/AISI S911-2017, Test Standard for Determining the Flexural Strength of Cold-Formed Steel Hat-Shaped Members (revision of ANSI/AISI S911-2014)
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## AISI (American Iron and Steel Institute)

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

- **ANSI/AISI S913-2017**, Test Standard for Determining the Strength and Deformation Behavior of Hold-Downs Attached to Cold-Formed Steel Structural Framing (revision of ANSI/AISI S913-2013)
  - PINS Date: Jul 18, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- **ANSI/AISI S914-2017**, Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing (revision of ANSI/AISI S914-2015)
  - PINS Date: Nov 17, 2017 | Public Review Date: Jan 5, 2018 | Final Action Date: Mar 29, 2018 | Approved

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- **ANSI/AISI S917-2017**, Test Standard for Determination of Fastener-Sheathing Local Translational Stiffness (new standard)
  - PINS Date: Jun 26, 2015 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 11, 2016 | Approved

  - PINS Date: Jun 26, 2015 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 11, 2016 | Approved

- **ANSI/AISI S919-2017**, Test Standard for Determining the Flexural Strength and Stiffness of Cold-Formed Steel Nonstructural Members (new standard)
  - PINS Date: Apr 8, 2016 | Public Review Date: Nov 17, 2017 | Final Action Date: Mar 29, 2018 | Approved

- **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
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ALI (Automotive Lift Institute)

  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 A14.8-2020, 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)

  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: Jun 19, 2020 | Public Review Date: Oct 15, 2021 | Final Action Date: May 10, 2022 | Approved
AMCA (Air Movement and Control Association)

  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

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

  PINS Date: Jan 5, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: May 3, 2019 | Approved

  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

- ANSI/AMCA Standard 301-2014, Methods for Calculating Fan Sound Ratings from Laboratory Test Data (revision of ANSI/AMCA 301-2006)
  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

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  PINS Date: Jun 9, 2017 | Public Review Date: Oct 19, 2018 | Final Action Date: Apr 9, 2019 | Approved
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## AMCi (AMC Institute)
107 South West Street, Suite 481, Alexandria, VA  22314 | w: www.amcinstutute.org

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

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

   - 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)
15835 Park Ten Place, Houston, TX  77084 | w: www.ampp.org

   - 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

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

11. 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

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ANS (American Nuclear Society)

555 North Kensington Avenue, La Grange Park, IL  60526-5592 | w: www.ans.org

  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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- ANSI/ANS 15.11-2016 (R2021), Radiation Protection at Research Reactors  (reaffirmation of ANSI/ANS 15.11-2016)
  Public Review Date: May 14, 2021 | Final Action Date: Jul 20, 2021 | Approved

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

- ANSI/ANS 15.2-1999 (R2021), Quality Control for Plate-Type Uranium-Aluminum Fuel Elements  (reaffirmation of ANSI/ANS 15.2-1999 (R2016))
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 28, 2021 | Approved

  Public Review Date: Dec 15, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/ANS 15.4-2016 (R2021), Selection and Training of Personnel for Research Reactors  (reaffirmation of ANSI/ANS 15.4-2016)
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ANSI/ANS 19.3.4-2022, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (revision of ANSI/ANS 19.3.4-2002 (R2017))
PINS Date: Sep 1, 2017 | Public Review Date: Apr 22, 2022 | Final Action Date: Jul 12, 2022 | Approved

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ANSI/ANS 2.2-2016 (R2020), Earthquake Instrumentation Criteria for Nuclear Power Plants (reaffirmation of ANSI/ANS 2.2-2016)
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- 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

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  PINS Date: Feb 14, 2014 | Public Review Date: May 28, 2021 | Final Action Date: Aug 5, 2021 | Approved

- ANSI/ANS 3.2-2012 (R2022), Managerial, Administrative, and Quality Assurance Controls for the Operational Phase of Nuclear Power Plants (reaffirmation of ANSI/ANS 3.2-2012 (R2017))
  Public Review Date: Mar 25, 2022 | Final Action Date: May 26, 2022 | Approved

- ANSI/ANS 3.4-2013 (R2018), Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013)
  Public Review Date: Apr 27, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/ANS 3.5-2018, Nuclear Power Plant Simulators for Use in Operator Training and Examination (new standard)
  PINS Date: Jul 29, 2011 | Public Review Date: Jun 2, 2017 | Final Action Date: Oct 10, 2019 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: May 20, 2022 | Final Action Date: Jul 21, 2022 | Approved

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<tr>
<td>ANSI/ANS 41.5-2012 (R2018)</td>
<td>Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation</td>
<td>(reaffirmation of ANSI/ANS 41.5-2012)</td>
<td>Aug 17, 2018</td>
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## ANSI (American Nuclear Society)

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- **ANSI/ANS 6.4-2006 (R2021)**, Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.4-2006 (R2016))
  - Public Review Date: Jun 4, 2021 | Final Action Date: Aug 5, 2021 | Approved

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ANS (American Nuclear Society)

- 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

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  Public Review Date: Jun 5, 2020 | Final Action Date: Aug 7, 2020 | Approved

- 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

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- ANSI/ANS 8.7-2022, Nuclear Criticality Safety in the Storage of Fissile Materials (revision of ANSI/ANS 8.7-1998 (R2017))
  PINS Date: Dec 29, 2017 | Public Review Date: Jan 28, 2022 | Final Action Date: May 6, 2022 | Approved
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## Approved American National Standards

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

- **ANSI/APCO 1.111.2-2013 (R2018)**, Public Safety Communications Common Disposition Codes for Data Exchange (reaffirmation and redesignation of ANSI/APCO 1.111.1-2013)
  - PINS Date: Nov 24, 2017 | Public Review Date: Jan 5, 2018 | Final Action Date: Mar 20, 2018 | **Approved**

- **ANSI/APCO 1.112.1-2014**, Best Practices for the Use of Social Media by Public Safety Communications (new standard)
  - PINS Date: Dec 14, 2012 | Public Review Date: Jul 11, 2014 | Final Action Date: Sep 19, 2014 | **Approved**

- **ANSI/APCO 1.112.2-2020**, Best Practices for the Use of Social Media in Public Safety Communications (revision and redesignation of ANSI/APCO 1.112.1-2014)
  - PINS Date: Nov 2, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 30, 2020 | **Approved**

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  - PINS Date: Mar 8, 2013 | Public Review Date: Aug 7, 2015 | Final Action Date: Sep 29, 2017 | **Approved**

- **ANSI/APCO 1.115.1-2018**, Core Competencies, Operational Factors and Training for Next Generation Technologies in Public Safety Communications (new standard)
  - PINS Date: Mar 15, 2013 | Public Review Date: Mar 23, 2018 | Final Action Date: Jul 3, 2018 | **Approved**

  - PINS Date: Oct 11, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 30, 2020 | **Approved**

- **ANSI/APCO 1.117.1-2019**, Public Safety Communications Center Key Performance Indicators (new standard)
  - PINS Date: Sep 15, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 17, 2019 | **Approved**

- **ANSI/APCO 1.118.1-2020**, Key Performance Indicators for Public Safety Communications Personnel (new standard)
  - PINS Date: Oct 13, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 30, 2020 | **Approved**

- **ANSI/APCO 1.119.1-2021**, Public Safety Telecommunicator Critical Incident Stress Debriefing Program (new standard)
  - PINS Date: Sep 21, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Apr 8, 2021 | **Approved**

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

  - PINS Date: Oct 25, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 14, 2022 | **Approved**

  - PINS Date: Feb 17, 2012 | Public Review Date: Mar 11, 2022 | Final Action Date: May 13, 2022 | **Approved**

- **ANSI/APCO 2.103.2-2019**, Public Safety Communications Common Incident Types for Data Exchange (revision and redesignation of ANSI/APCO 2.103.1-2012)
  - PINS Date: Mar 2, 2018 | Public Review Date: Aug 2, 2019 | Final Action Date: Oct 18, 2019 | **Approved**

- **ANSI/APCO 2.106.1-2019**, Public Safety Grade site Hardening Requirements (new standard)
  - PINS Date: Feb 19, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jun 11, 2019 | **Approved**
APCO (Association of Public-Safety Communications Officials-International)

  PINS Date: Mar 13, 2015 | Public Review Date: Jul 22, 2016 | Final Action Date: Sep 12, 2017 | Approved

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  PINS Date: Mar 13, 2015 | Public Review Date: Jun 12, 2015 | Final Action Date: Sep 19, 2017 | Approved

- ANSI/APCO 3.105.1-2015, Minimum Training Standard for TTY/TDD Use in the Public Safety Communications Center (new standard)
  PINS Date: Oct 1, 2010 | Public Review Date: Dec 12, 2014 | Final Action Date: Feb 24, 2015 | Approved

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- ANSI/APCO 3.109.3-2022, Core Competencies and Minimum Training Standards for Public Safety Communications Manager/Director (revision and redesignation of ANSI/APCO 3.109.2-2014)
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  PINS Date: Sep 8, 2017 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 17, 2019 | Approved

- ANSI/APCO/NENA 1.102.3-2020, Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale (revision and redesignation of ANSI/APCO/NENA 1.102.2-2010)
  PINS Date: Jul 11, 2014 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 30, 2020 | Approved

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<td>Community Engagement Guidelines</td>
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<td>ANSI/API MPMS CH. 14.3.3-2012 (R2021)</td>
<td>Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids - Concentric, Square-edged Orifice Meters, Part 3 - Natural Gas Applications</td>
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<td>ANSI/API MPMS Chapter 14.3.2, 5th Ed.-2016</td>
<td>Concentric, Square-Edged Orifice Meters-Specification and Installation Requirements</td>
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API (American Petroleum Institute)

  Public Review Date: Aug 16, 2019 | Final Action Date: Jan 21, 2020 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Feb 13, 2020 | Approved

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  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

- ANSI/API RP 1162-2022, Public Awareness Programs for Pipeline Operators  (new standard)
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API (American Petroleum Institute)

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  Public Review Date: May 8, 2020 | Final Action Date: Jan 4, 2021 | Approved

- ANSI/API RP 2GEO/ISO 19901-2003 (R2021), Geotechnical and Foundation Design Considerations (reaffirm a national adoption ANSI/API Recommended Practice 2GEO-2014)
  Public Review Date: May 8, 2020 | Final Action Date: Jan 4, 2021 | Approved

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- ANSI/API RP 3000-2014, Classifying and Loading of Crude Oil into Rail Tank Cars (new standard)
  PINS Date: Apr 18, 2014 | Public Review Date: Jul 11, 2014 | Final Action Date: Sep 19, 2014 | Approved

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  PINS Date: May 1, 2009 | Public Review Date: Aug 21, 2009 | Final Action Date: Mar 1, 2011 | Approved
API (American Petroleum Institute)

  PINS Date: Jul 23, 2021 | Public Review Date: Oct 22, 2021 | Final Action Date: Aug 9, 2022 | Approved

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  PINS Date: May 1, 2009 | Public Review Date: Nov 19, 2010 | Final Action Date: Jan 13, 2011 | Approved

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

- ANSI/API STANDARD 2350-2020, Overfill Prevention for Atmospheric Storage Tanks in Petroleum Facilities (revision of ANSI/API STANDARD 2350-2012)
  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

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  PINS Date: Dec 16, 2016 | Public Review Date: Nov 9, 2018 | Final Action Date: Mar 27, 2019 | Approved
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**APTech (ASC CGATS) (Association for Print Technologies)**

- ANSI CGATS.9-2019, Graphic technology - Graphic arts transmission densitometry measurements - Terminations, image elements and procedures (revision of ANSI CGATS.9-2007 (R2012))
  - PINS Date: Sep 21, 2018 | Public Review Date: Dec 21, 2018 | Final Action Date: Oct 24, 2019 | Approved

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  - Public Review Date: Nov 9, 2012 | Final Action Date: Jan 29, 2013 | Approved

- 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 ISO 12641-1)
  - PINS Date: Aug 11, 2017 | Public Review Date: Oct 6, 2017 | Final Action Date: Feb 27, 2018 | Approved

  - Public Review Date: Sep 1, 2017 | Final Action Date: Nov 1, 2017 | Approved

  - Public Review Date: Feb 19, 2021 | Final Action Date: Apr 6, 2022 | Approved

- ANSI CGATS/ISO 15930-6-2022, 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) (national adoption of ISO 15930-6 with modifications and revision of ANSI/CGATS/ISO 15930-6-2004 (R2018))
  - Public Review Date: Oct 1, 2021 | Final Action Date: Apr 6, 2022 | Approved

- ANSI IT8.6-2017 (R2022), Graphic technology - Prepress digital data exchange - Diecutting data (DDES3)
  - (reaffirmation of ANSI IT8.6-2017)
  - Public Review Date: Feb 11, 2022 | Final Action Date: Apr 5, 2022 | Approved

- ANSI IT8.7/5-2019, Graphic technology - Input data for characterization of 4-color process printing - Extended data set (new standard)
  - PINS Date: Oct 6, 2017 | Public Review Date: Jun 29, 2018 | Final Action Date: Apr 12, 2019 | Approved

- ANSI/CGATS 21-1-2013 (R2021), Graphic technology - Printing from digital data across multiple technologies — Part 1: Principles
  - (reaffirmation of ANSI/CGATS 21-1-2013)
  - Public Review Date: Dec 20, 2019 | Final Action Date: Apr 8, 2021 | Approved

- ANSI/CGATS 21-2-2013, Graphic technology - Printing from digital data across multiple technologies — Part 2: Reference characterization data-2012 (new standard)
  - PINS Date: Sep 21, 2012 | Public Review Date: Nov 9, 2012 | Final Action Date: Mar 7, 2013 | Approved

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APTech (ASC CGATS) (Association for Print Technologies)

- 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)
  Public Review Date: Feb 24, 2006 | Final Action Date: Jun 14, 2006 | Approved

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  PINS Date: Jan 15, 2016 | Public Review Date: Mar 18, 2016 | Final Action Date: Jan 23, 2017 | Approved

  PINS Date: Sep 10, 2010 | Public Review Date: Nov 5, 2010 | Final Action Date: Jan 13, 2011 | Approved

- 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))
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- 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))
  Public Review Date: Jul 9, 2021 | Final Action Date: Sep 7, 2021 | Approved

- 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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ASA (ASC S1) (Acoustical Society of America)

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- ANSI/ASA S1.13-2020, Measurement of Sound Pressure Levels in the Air (new standard)
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- 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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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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**ASA (ASC S12) (Acoustical Society of America)**

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ASA (ASC S12) (Acoustical Society of America)

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- ANSI/ASA S12.6-2016 (R2020), Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (reaffirmation of ANSI/ASA S12.6-2016)
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- ANSI/ASA S12.61-2020, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (new standard)
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ASA (ASC S2) (Acoustical Society of America)

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

  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

- 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))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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- ANSI/ASA S2.31-1979 (R2020), Standard Methods for the Experimental Determination of Mechanical Mobility, Part 1: Basic Definitions and Transducers (reaffirmation of ANSI/ASA S2.31-1979 (R2020))
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- ANSI/ASA S2.4-1976 (R2020), Method for Specifying the Characteristics of Auxiliary Analog Equipment for Shock and Vibration Measurements (reaffirmation of ANSI/ASA S2.4-1976 (R2014))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

- ANSI/ASA S2.46-1989 (R2020), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2015))
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- ANSI/ASA S2.70-2006 (R2020), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2016))
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ASA (ASC S3) (Acoustical Society of America)

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  PINS Date: Mar 28, 2014 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 12, 2019 | Approved

- 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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ASA (ASC S3) (Acoustical Society of America)

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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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- 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 | w: https://www.asabe.org/

- ANSI/ASABE AD10448-NOV2014 (R2018), Agricultural tractors Hydraulic pressure for implements (reaffirm a national adoption ANSI/ASABE AD10448-2014)
  Public Review Date: Nov 2, 2018 | Final Action Date: Dec 31, 2018 | Approved

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

- 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))
  Public Review Date: Nov 13, 2020 | Final Action Date: Mar 29, 2021 | Approved

  PINS Date: Apr 14, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved
ASABE (American Society of Agricultural and Biological Engineers)

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

- 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)
  Public Review Date: Nov 13, 2020 | Final Action Date: Mar 24, 2021 | Approved

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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 )
  Public Review Date: Oct 30, 2020 | Final Action Date: Dec 21, 2020 | Approved

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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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- 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
# Approved American National Standards

ASABE (American Society of Agricultural and Biological Engineers)

- 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

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  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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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASABE S588.1-NOV16 (R2020), Uniform Terminology for Air Quality (reaffirmation of ANSI/ASABE S588.1-NOV16)
  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 17, 2020 | Approved

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- ANSI/ASABE S608-2008 (R2017), Headlamps for Agricultural Equipment (reaffirmation of ANSI/ASABE S608-2008 (R2013))
  Public Review Date: Nov 3, 2017 | Final Action Date: Dec 29, 2017 | Approved

- ANSI/ASABE S612 JUL2009 (R2021), Performing On-farm Energy Audits (reaffirmation of ANSI/ASABE S612 JUL2009 (R2015))
  Public Review Date: Nov 13, 2020 | Final Action Date: Mar 25, 2021 | Approved

- ANSI/ASABE S613-1-FEB2009 (R2018), Tractors and Self-Propelled Machinery for Agriculture  Air Quality Systems for Cabs Terminology and Overview (reaffirmation of ANSI/ASABE S613-1-FEB2009 (R2013))
  Public Review Date: Oct 19, 2018 | Final Action Date: Dec 7, 2018 | Approved

  PINS Date: Feb 1, 2013 | Public Review Date: Mar 22, 2013 | Final Action Date: Jun 26, 2013 | Approved

  PINS Date: Nov 18, 2016 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI/ASABE S613-4-AUG2017 (R2022), Tractors and self-propelled machinery for agriculture – Air quality systems for cabs – Part 4: Performance Test of a Cab (reaffirmation of ANSI/ASABE S613-4-AUG2017)
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved
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<tr>
<td>ANSI/ASABE S638-MAY19</td>
<td>Pintle Hitch and Ring for Over the Road Towed Implements (new standard)</td>
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<td>Apr 8, 2016</td>
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ANSI/ASABE S642-SEPT2018, Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (new standard)
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

ANSI/ASABE S648-3 MONYEAR-2020, Agricultural Field Equipment Braking – Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines (new standard)
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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

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Public Review Date: Oct 12, 2018 | Final Action Date: Dec 31, 2018 | Approved

Public Review Date: Sep 27, 2019 | Final Action Date: Nov 12, 2019 | Approved
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<td>ANSI/ASABE/ISO 14269-1-2006</td>
<td>Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment — Part 1: Vocabulary</td>
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<td>ANSI/ASABE/ISO 14269-3-SEP2006</td>
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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</td>
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<td>ANSI/ASABE/ISO 20383-2019</td>
<td>Agricultural tractors — Speed Identification Sign (SIS)</td>
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<td>ANSI/ASABE/ISO 21244-2008</td>
<td>Agricultural equipment — Mechanical connections between towed and towing vehicles — Implement hitch rings and attachment to tractor drawbars</td>
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<td>ANSI/ASABE/ISO 23205:2016</td>
<td>Agricultural tractors — Instructional seat</td>
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ASABE (American Society of Agricultural and Biological Engineers)

  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

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- ANSI/ASABE/ISO 3767-2: APR17 (R2022), Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 2: Symbols for agricultural tractors and machinery (reaffirm a national adoption ANSI/ASABE/ISO 3767-2: APR17)
  Public Review Date: Nov 19, 2021 | Final Action Date: Mar 31, 2022 | Approved

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

- ANSI/ASABE/ISO 4252-MAY2012 (R2022), Agricultural tractors - Operators workplace, access and exit - Dimensions (reaffirm a national adoption ANSI/ASABE/ISO 4252-MAY2012 (R2017))
  Public Review 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

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

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

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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

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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

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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S315.5-AUG2018, Agricultural Baling Twine for Automatic Balers (revision and redesignation of ANSI/ASAE S315.4-2012 (R2017))
  PINS Date: May 29, 2015 | Public Review Date: Apr 6, 2018 | Final Action Date: Aug 3, 2018 | Approved

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- ANSI/ASAE S319.4-2008 (R2017), Method of Determining and Expressing Fineness of Feed Materials by Sieving (reaffirmation of ANSI/ASAE S319.4-2008 (R2013))
  Public Review Date: Oct 13, 2017 | Final Action Date: Dec 11, 2017 | Approved

- ANSI/ASAE S331.7 MONYEAR-2020, Implement Power Take-Off Drive Shaft Specifications (revision and redesignation of ANSI/ASAE S331.6-2015)
  PINS Date: Mar 20, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Dec 3, 2020 | Approved

  Public Review Date: Oct 30, 2020 | Final Action Date: Dec 17, 2020 | Approved

- ANSI/ASAE S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (reaffirmation of ANSI/ASAE S343.4-2015)
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- ANSI/ASAE S358.3 MAY2012 (R2021), Moisture Measurement - Forages (reaffirmation of ANSI/ASAE S358.3 MAY2012 (R2017))
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- ANSI/ASAE S362.2 JAN1993 (R2019), Wiring and Equipment for Electrically Driven or Controlled Irrigation Machines (reaffirmation of ANSI/ASAE S362.2 JAN1993 (R2015))
  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

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- ANSI/ASAE S376.3-2016 (R2020), Design, Installation and Performance of Underground, Thermoplastic Irrigation Pipes (reaffirmation of ANSI/ASAE S376.3-2016)
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<td>ANSI/ASAE S396.3 JUN2016 (R2020)</td>
<td>Combine Capacity and Performance Test Procedure (revision and redesignation of ANSI/ASAE S396.3-JUN2016)</td>
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<td>ANSI/ASAE S418.1 OCT2010 (R2019)</td>
<td>Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2014))</td>
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<td>ANSI/ASAE S424.1-SEP92 (R2022)</td>
<td>Method of Determining and Expressing Particle Size of Chopped Forage Materials by Screening (reaffirmation of ANSI/ASAE S424.1-SEP92 (R2017))</td>
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<td>ANSI/ASAE S448.2-2014 (R2018)</td>
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<td>Public Review Date: Nov 10, 2017</td>
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<td>ANSI/ASAE S459-FEB93 (R2021)</td>
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<td>Public Review Date: Oct 16, 2020</td>
<td>Final Action Date: Dec 1, 2020</td>
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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S515-JAN94 (R2017), Pallet Load Transfer System for Vegetable Harvesters, Shuttle Vehicles, and Road Trucks (reaffirmation of ANSI/ASAE S515-JAN94 (R2012))
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- 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)
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- ANSI/ASAE/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/ASAE EP486.3-2017)
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ASB (ASC Z50) (American Society of Baking)

243 Reade Drive, Cogan Station, PA 17728 | w: www.asbe.org

  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)

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

- ANSI X9.100-10-2021, Paper for MICR Documents (revision of ANSI X9.100-10-2016)
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**ASC X9 (Accredited Standards Committee X9, Incorporated)**

  - 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

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  - 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: Dec 18, 2009 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 24, 2020 | Approved

  - PINS Date: Apr 8, 2011 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 15, 2020 | Approved

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- **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
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<td>PINS Date: Feb 28, 2020</td>
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<td>ANSI X9.73-2017, Cryptographic Message Syntax - ASN.1 and XML (revision of ANSI X9.73-2010 (R2017))</td>
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<td>ANSI X9.79 - Part 4-2013, Public Key Infrastructure (PKI) – Part 4: Asymmetric Key Management (new standard)</td>
<td>PINS Date: Oct 23, 2009</td>
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ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.82-4-2011 (R2017), Random Number Generation - Part 4: Random Bit Generator Constructions (reaffirmation of ANSI X9.82-4-2011)
  PINS Date: Nov 25, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

  PINS Date: Apr 28, 2017 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 20, 2018 | Approved

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

  PINS Date: Jul 20, 2012 | Public Review Date: Dec 20, 2013 | Final Action Date: Feb 6, 2014 | Approved

  PINS Date: Jul 20, 2012 | Public Review Date: Nov 1, 2013 | Final Action Date: Feb 6, 2014 | Approved

  Public Review Date: Jun 10, 2022 | Final Action Date: Jul 28, 2022 | Approved

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

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  Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

- 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
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# Approved American National Standards

## ASCE (American Society of Civil Engineers)

- ANSI/ASCE/EWRI 63-2016, Standard Guidelines for the Installation of Stormwater Impoundments (new standard)
  - PINS Date: Feb 19, 2016 | Public Review Date: Apr 15, 2016 | Final Action Date: Oct 5, 2016 | Approved

- ANSI/ASCE/EWRI 64-2016, Standard Guidelines for the Operation and Maintenance of Stormwater Impoundments (new standard)
  - PINS Date: Feb 19, 2016 | Public Review Date: Apr 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/ASCE/EWRI 65-2016, Calculation of the Saturated Hydraulic Conductivity of Fine-Grained Soils (new standard)
  - PINS Date: Jan 22, 2016 | Public Review Date: Jun 3, 2016 | Final Action Date: Nov 16, 2016 | Approved

  - PINS Date: Jun 3, 2016 | Public Review Date: Jul 22, 2016 | Final Action Date: Feb 17, 2017 | Approved

  - PINS Date: Jun 28, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 2, 2016 | Approved

  - 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.)

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

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

  - Public Review Date: Mar 23, 2018 | Final Action Date: Jul 25, 2018 | Approved

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

  - Public Review Date: Sep 4, 2015 | Final Action Date: Jun 30, 2016 | Approved

  - 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

  - 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)
  - Public Review Date: Sep 10, 2010 | Final Action Date: Feb 3, 2011 | Approved

  - Public Review Date: Sep 2, 2011 | Final Action Date: Jun 28, 2012 | Approved
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- ANSI/ASHRAE 135.1r-2018, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2013)
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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)
  PINS Date: Feb 13, 2015 | Public Review Date: Dec 1, 2017 | Final Action Date: Aug 1, 2018 | Approved

  Public Review Date: Mar 16, 2007 | Final Action Date: Jul 5, 2007 | Approved

  Public Review Date: May 6, 2016 | Final Action Date: Jun 30, 2016 | Approved

  Public Review Date: Mar 17, 2006 | Final Action Date: Mar 3, 2007 | Approved

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

- ANSI/ASHRAE 34a-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 28, 2007 | Approved

- ANSI/ASHRAE 34a-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Apr 14, 2017 | Final Action Date: Jun 29, 2017 | Approved

- ANSI/ASHRAE 34aa-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
  Public Review Date: Mar 23, 2012 | Final Action Date: Jun 28, 2012 | Approved

- ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
  Public Review Date: Mar 23, 2012 | Final Action Date: Jun 28, 2012 | Approved

- ANSI/ASHRAE 34ab-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Mar 18, 2016 | Final Action Date: Aug 30, 2016 | Approved

- ANSI/ASHRAE 34ac-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Sep 2, 2016 | Final Action Date: Aug 30, 2016 | Approved

- ANSI/ASHRAE 34ad-2016, ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants
  Public Review Date: Mar 18, 2016 | Final Action Date: Jun 30, 2016 | Approved

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- ANSI/ASHRAE 34af-2016, ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants
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- ANSI/ASHRAE 34ag-2016, ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants
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- ANSI/ASHRAE 34ah-2016, ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants
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- ANSI/ASHRAE 34ai-2016, ANSI/ASHRAE Standard 34-2013, Designation and Safety Classification of Refrigerants
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- ANSI/ASHRAE 34b-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 28, 2007 | Approved

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<td>Ventilation and Acceptable Indoor Air Quality in Residential Buildings</td>
<td>Sep 8, 2017</td>
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<td>ANSI/ASHRAE 62.2i-2018</td>
<td>Ventilation and Acceptable Indoor Air Quality in Residential Buildings</td>
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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  Public Review Date: Sep 22, 2006 | Final Action Date: Mar 3, 2007 | Approved

- ANSI/ASHRAE 90.4a-2018, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
  Public Review Date: Aug 25, 2017 | Final Action Date: Jan 25, 2018 | Approved

- 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 f to Standard 90.4-2019, 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)
  Public Review Date: Sep 11, 2009 | Final Action Date: Jul 1, 2010 | Approved

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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 135.1h-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 34b-2014, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34k-2015, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34t-2019, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2016)
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- ANSI/ASHRAE Addendum 34u-2012, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2010)
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  Public Review Date: May 15, 2020 | Final Action Date: Sep 1, 2020 | Approved

  Public Review Date: Mar 28, 2014 | Final Action Date: Jul 3, 2014 | Approved
### ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standards

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- ANSI/ASHRAE Addendum f to ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
  Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/ASHRAE Addendum g to 90.4-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
  Public Review Date: Mar 8, 2019 | Final Action Date: Jun 27, 2019 | Approved

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- ANSI/ASHRAE Addendum n to 135.1-2012, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
  Public Review Date: Sep 2, 2011 | Final Action Date: Jan 26, 2012 | Approved

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- ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)
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- ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)
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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)
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- ANSI/ASHRAE Standard 135-2020, 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 140-2014, Method of Test for the Evaluation of Building Energy Analysis Computer Programs  (new standard)
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<td>Methods of Testing for Rating Liquid-Cooled Refrigerant Condensers</td>
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<td>Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System</td>
<td>Jul 22, 2016</td>
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  PINS Date: May 20, 2016 | Public Review Date: Feb 14, 2020 | Final Action Date: Jun 30, 2020 | Approved

  PINS Date: Mar 3, 2017 | Public Review Date: May 29, 2020 | Final Action Date: Nov 30, 2020 | Approved

  PINS Date: Mar 5, 2021 | Public Review Date: Dec 3, 2021 | Final Action Date: Feb 28, 2022 | Approved

- ANSI/ASHRAE Standard 41.3-2022, Standard Methods for Pressure Measurement (revision of ANSI/ASHRAE Standard 41.3-2014)
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- 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)
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- ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (new standard)
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  Public Review Date: Oct 24, 2003 | Final Action Date: Jul 1, 2004 | Approved
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Nov 1, 2019 | Final Action Date: Feb 10, 2020 | Approved

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  Public Review Date: Feb 7, 2014 | Final Action Date: Jul 31, 2014 | Approved

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  Public Review Date: Mar 27, 2015 | Final Action Date: Jul 2, 2015 | Approved
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  Public Review Date: Aug 30, 2019 | Final Action Date: Nov 4, 2019 | Approved

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

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  Public Review Date: Jul 12, 2019 | Final Action Date: Nov 4, 2019 | Approved

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

  Public Review Date: Mar 8, 2019 | Final Action Date: Aug 26, 2019 | Approved

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  Public Review Date: Jul 6, 2018 | Final Action Date: Jun 27, 2019 | Approved

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<td>ANSI/ASIS PSC.2-2019, Conformity Assessment and Auditing Management Systems for Quality of Private Security Company Operations (revision of ANSI ASIS PSC.2-2012)</td>
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<td>ANSI/ASIS WVPI AA-2020, Workplace Violence and Active Assailant - Prevention, Intervention, and Response (revision and redesignation of ANSI ASIS/SHRM WVPI.1-2011)</td>
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<td><strong>ASME (American Society of Mechanical Engineers)</strong></td>
<td>ANSI B94.21-1968 (R2019), Gear Shaper Cutters (reaffirmation of ANSI B94.21-1968 (R2014))</td>
<td>Public Review Date: Mar 22, 2019</td>
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<td>ANSI CSA B44.1/ASME A17.5-2019, Elevator and Escalator Electrical Equipment (revision of ANSI CSA B44.1/ASME A17.5-2014)</td>
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<td>ANSI/API 579-1/ASME FFS-1-2021, Fitness-For-Service (revision of ANSI/API 579-1/ASME FFS-1-2016)</td>
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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 (R2022), Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water-Connected Receptors) (reaffirmation of ANSI/ASME A112.1.2-2012 (R2017))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

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  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 13, 2022 | Approved

  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 9, 2022 | Approved

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

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

- 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 (R2022), Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings (reaffirmation of ANSI/ASME A112.18.3-2002 (R2017))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | 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 (R2022), Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures (reaffirmation of ANSI/ASME A112.18.9-2011 (R2017))
  Public Review Date: Feb 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  Public Review Date: Mar 23, 2018 | Final Action Date: Jun 22, 2018 | Approved
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<td>ANSI/ASME A112.3.1-2007 (R2022), Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below Ground (reaffirmation of ANSI/ASME A112.3.1-2007 (R2017))</td>
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ASME (American Society of Mechanical Engineers)

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

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  Public Review Date: Nov 9, 2018 | Final Action Date: Oct 8, 2019 | Approved

  Public Review Date: Jun 16, 2017 | Final Action Date: Oct 25, 2017 | Approved

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

  PINS Date: Sep 21, 2012 | Public Review Date: Jun 13, 2014 | Final Action Date: Jan 8, 2015 | Approved

- 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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  Public Review Date: Mar 6, 2020 | Final Action Date: Jun 18, 2020 | Approved

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- ANSI/ASME AED-1-2018, Aerospace and Advanced Engineering Drawings (new standard)
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  Public Review Date: Apr 6, 2018 | Final Action Date: Jun 15, 2018 | Approved

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**ASME (American Society of Mechanical Engineers)**

  PINS Date: Jan 26, 2018 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 20, 2018 | **Approved**

- **ANSI/ASME B107.600-2016 (R2021), Screwdrivers and Screw Bits** (reaffirmation of ANSI/ASME B107.600-2016)  
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 4, 2021 | **Approved**

- **ANSI/ASME B133.8-2011 (R2022), Gas Turbine Installation Sound Emissions** (reaffirmation of ANSI/ASME B133.8 -2011)  
  Public Review Date: Apr 22, 2022 | Final Action Date: Jul 11, 2022 | **Approved**

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  PINS Date: Jun 27, 2014 | Public Review Date: Oct 7, 2016 | Final Action Date: Apr 25, 2017 | **Approved**

  Public Review Date: Feb 18, 2022 | Final Action Date: Apr 15, 2022 | **Approved**

- **ANSI/ASME B16.11-2021, Forged Fittings, Socket-Welding and Threaded** (revision of ANSI/ASME B16.11-2016 )  
  Public Review Date: Sep 17, 2021 | Final Action Date: Dec 14, 2021 | **Approved**

  Public Review Date: Jun 21, 2019 | Final Action Date: Jul 29, 2019 | **Approved**

  Public Review Date: Jun 15, 2018 | Final Action Date: Aug 3, 2018 | **Approved**

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  PINS Date: Sep 8, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Feb 16, 2018 | **Approved**

- **ANSI/ASME B16.18-2021, Cast Copper Alloy Solder Joint Pressure Fittings** (revision of ANSI/ASME B16.18-2018)  
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  Public Review Date: Jul 21, 2017 | Final Action Date: Oct 11, 2017 | **Approved**

- **ANSI/ASME B16.21-2021, Nonmetallic Flat Gaskets for Pipe Flanges** (revision of ANSI/ASME B16.21-2016 )  
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 7, 2021 | **Approved**

  Public Review Date: Jun 15, 2018 | Final Action Date: Aug 3, 2018 | **Approved**

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  - PINS Date: Oct 28, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Mar 29, 2018 | Approved

  - PINS Date: Jun 30, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Sep 25, 2018 | Approved

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

  - Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved

- **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

  - Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved
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<td>ANSI/ASME B18.2.1-2012 (R2021)</td>
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ASME (American Society of Mechanical Engineers)

- 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)
Public Review Date: Jul 23, 2021 | Final Action Date: Oct 8, 2021 | Approved

- ANSI/ASME B18.2.8-1999 (S2021), Clearance Holes for Bolts, Screws, and Studs (stabilized maintenance of ANSI/ASME B18.2.8-1999 (R2017))
Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

- ANSI/ASME B18.2.9-2010 (R2021), Straightness Gage and Gaging for Bolts and Screws (reaffirmation of ANSI/ASME B18.2.9-2010 (R2017))
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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)
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- ANSI/ASME B18.31.1M-2008 (R2021), Metric Continuous and Double End Studs (reaffirmation of ANSI/ASME B18.31.1M-2008 (R2016))
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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 B31.8-2018, Gas Transmission and Distribution Piping Systems  
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- ANSI/ASME B31.8-2020, Gas Transmission and Distribution Piping Systems  
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- ANSI/ASME B31.8S-2018, Managing System Integrity of Gas Pipelines  
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- ANSI/ASME B31.8S-2020, Managing System Integrity of Gas Pipelines  
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- ANSI/ASME B31.9-2017, Building Services Piping  
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- ANSI/ASME B31.9-2020, Building Services Piping  
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- ANSI/ASME B31Q-2018, Pipeline Personnel Qualification  
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- ANSI/ASME B31Q-2021, Pipeline Personnel Qualification  
  revision of ANSI/ASME B31Q-2018
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- ANSI/ASME B31T-2021, Standard Toughness Requirements for Piping  
  revision of ANSI/ASME B31T-2018
  Public Review Date: May 28, 2021 | Final Action Date: Jul 15, 2021 | Approved

- ANSI/ASME B36.10M-2018, Welded and Seamless Wrought Steel Pipe  
  revision of ANSI/ASME B36.10M-2015
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- ANSI/ASME B36.19-2022, Welded And Seamless Wrought Stainless Steel Pipe  
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- ANSI/ASME B4.1-1967 (R2020), Preferred Limits And Fits For Cylindrical Parts  
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- ANSI/ASME B4.2-1978 (R2020), Preferred Metric Limits And Fits  
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- ANSI/ASME B40.100-2022, Pressure Gauges and Gauge Attachments  
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- ANSI/ASME B5.57-2012 (R2022), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers (reaffirmation of ANSI/ASME B5.57-2012 (R2017))
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- ANSI/ASME B5.60-2014 (R2019), Workholding Chucks: Jaw Type Chucks (reaffirmation of ANSI/ASME B5.60-2014)
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- ANSI/ASME B5.8-2001 (S2022), Chucks and Chuck Jaws (stabilized maintenance of ANSI/ASME B5.8-2001 (R2016))
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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 B73.3-2022, Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015)
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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)
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  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))
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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))
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- 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 B89.4.10-2021, 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))
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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 B89.7.3.3-2002 (R2022), Guidelines for Assessing the Reliability of Dimensional Measurement Uncertainty Statements (reaffirmation of ANSI/ASME B89.7.3.3-2002 (R2017))
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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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<td>ANSI/ASME BPVC Section VI-2019, Recommended Rules for the Care and Operation of Heating Boilers</td>
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<td>ANSI/ASME BPVC Section VI-2021, Recommended Rules for the Care and Operation of Heating Boilers</td>
<td>(revision of ANSI/ASME BPVC Section VI-2019)</td>
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## ASME (American Society of Mechanical Engineers)

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<td>ANSI/ASME BPVC Section X-2021</td>
<td>Fiber-Reinforced Plastic Pressure Vessels</td>
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<td>ANSI/ASME BPVC Section XI-2019</td>
<td>Rules for Inservice Inspection of Nuclear Power Plant Components</td>
<td>Approved</td>
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<td>ANSI/ASME BPVC Section XI-2021</td>
<td>Section XI Rules for Inservice Inspection of Nuclear Power Plant Components</td>
<td>Approved</td>
<td>Mar 18, 2021</td>
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<td>ANSI/ASME BPVC Section XII-2017</td>
<td>Rules for Construction and Continued Service of Transport Tanks</td>
<td>Approved</td>
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<td>Rules for Construction and Continued Service of Transport Tanks</td>
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<td>ANSI/ASME BPVC Section XII-2021</td>
<td>Rules for Construction and Continued Service of Transport Tanks</td>
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<td>ANSI/ASME BPVC Section XIII-2021</td>
<td>Rules for Overpressure Protection</td>
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<td>ANSI/ASME BTH-1-2020</td>
<td>Design of Below-the-Hook Lifting Devices</td>
<td>Approved</td>
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<td>ANSI/ASME CSD-1-2018</td>
<td>Controls and Safety Devices for Automatically Fired Boilers</td>
<td>Approved</td>
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<td>ANSI/ASME CSD-1-2021</td>
<td>Controls and Safety Devices for Automatically Fired Boilers</td>
<td>Approved</td>
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<td>ANSI/ASME EA-4-2010 (R2020)</td>
<td>Energy Assessment for Compressed Air Systems</td>
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ASME (American Society of Mechanical Engineers)


- ANSI/ASME HST-3-2022, Performance Standard for Lever Hoists (revision of ANSI/ASME HST-3-2017) PINS Date: Jan 29, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 31, 2022 | Approved

- ANSI/ASME HST-4-2021, Performance Standard for Overhead Electric Wire Rope Hoists (revision of ANSI/ASME HST-4-2016) PINS Date: Nov 29, 2019 | Public Review Date: Apr 23, 2021 | Final Action Date: Jul 6, 2021 | Approved


- ANSI/ASME MBE-1-2022, Framework (new standard) PINS Date: Jun 15, 2018 | Public Review Date: Nov 19, 2021 | Final Action Date: Apr 5, 2022 | Approved


# Approved American National Standards

ASME (American Society of Mechanical Engineers)

  Public Review Date: Jul 20, 2018 | Final Action Date: Sep 25, 2018 | Approved

  Public Review Date: Jan 31, 2014 | Final Action Date: Apr 15, 2014 | Approved

  Public Review Date: Jul 20, 2018 | Final Action Date: Sep 25, 2018 | Approved

  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

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

  PINS Date: Jun 11, 2021 | Public Review Date: Jan 21, 2022 | Final Action Date: Jun 22, 2022 | Approved

  PINS Date: Jan 11, 2013 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 13, 2018 | Approved
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<td>Nonmetallic Materials</td>
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<td>ANSI/ASME NQA-1-2017</td>
<td>Quality Assurance Requirements for Nuclear Facility Applications</td>
<td>approved</td>
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<td>ANSI/ASME NQA-1-2019</td>
<td>Quality Assurance Requirements for Nuclear Facility Applications</td>
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<td>ANSI/ASME NUM-1-2016</td>
<td>Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type)</td>
<td>approved</td>
<td>Dec 25, 2015</td>
<td>Jun 16, 2016</td>
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<td>ANSI/ASME PCC-1-2019</td>
<td>Guidelines for Pressure Boundary Bolted Flange Joint Assembly</td>
<td>approved</td>
<td>Dec 2, 2016</td>
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# Approved American National Standards

*ASME (American Society of Mechanical Engineers)*

  PINS Date: Jun 4, 2021 | Public Review Date: Jun 10, 2022 | Final Action Date: Aug 18, 2022 | Approved

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

  Public Review Date: Jan 21, 2022 | Final Action Date: Apr 4, 2022 | Approved

  PINS Date: Feb 4, 2022 | Public Review Date: Apr 15, 2022 | Final Action Date: Jun 21, 2022 | 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

- ANSI/ASME PTC 11-2008 (R2018), Fans *(reaffirmation of ANSI/ASME PTC 11-2008)*  
  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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# American Society of Mechanical Engineers (ASME) Standards

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<td>ANSI/ASME PTC 47.1-2017</td>
<td>Air Separation Unit (new standard)</td>
<td>Approved</td>
<td>Dec 26, 2008</td>
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<td>ANSI/ASME QEI-1-2018</td>
<td>Standard for the Qualification of Elevator Inspectors (revision of ANSI/ASME QEI-1-2013)</td>
<td>Public Review Date: Jun 9, 2017</td>
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ASME (American Society of Mechanical Engineers)

  PINS Date: May 11, 2018 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 19, 2020 | Approved

- ANSI/ASME RAM-2-2016, Reliability, Availability, and Maintainability Program Development Process for Existing Power Plants (new standard)
  PINS Date: Aug 22, 2014 | Public Review Date: Sep 23, 2016 | Final Action Date: Dec 2, 2016 | Approved

  Public Review Date: Jun 12, 2015 | Final Action Date: Sep 9, 2015 | Approved

  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI/ASME RT-2-2021, Safety Standard for Structural Requirements for Heavy Rail Transit Vehicles (revision of ANSI/ASME RT-2-2014)
  PINS Date: Mar 25, 2016 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 30, 2021 | Approved

  PINS Date: Nov 10, 2017 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 26, 2019 | Approved

  Public Review Date: Jul 23, 2021 | Final Action Date: Oct 26, 2021 | Approved

  PINS Date: Jul 23, 2010 | Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ASME STS-1-2021, Steel Stacks (revision of ANSI/ASME STS-1-2017)
  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 19, 2021 | Approved

  PINS Date: Oct 28, 2011 | Public Review Date: Jul 6, 2012 | Final Action Date: Feb 5, 2013 | Approved

  Public Review Date: Dec 23, 2016 | Final Action Date: Mar 2, 2017 | Approved

- ANSI/ASME TES-1-2020, Safety Standards for Thermal Energy Storage Systems; Molten Salt (new standard)
  PINS Date: Jul 3, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 11, 2020 | Approved

  PINS Date: Jan 12, 2018 | Public Review Date: May 3, 2019 | Final Action Date: Jul 23, 2019 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 28, 2022 | Approved

  PINS Date: Dec 20, 2013 | Public Review Date: Apr 23, 2021 | Final Action Date: Jul 6, 2021 | Approved
Approved American National Standards

The data in this document is reported as of Monday, August 22, 2022

ASME (American Society of Mechanical Engineers)

- ANSI/ASME V&V 40-2018, Standard for Verification and Validation in Computational Methods for Medical Devices (new standard)
  PINS Date: Dec 11, 2009 | Public Review Date: Nov 24, 2017 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/ASME V&VU 1-2022, Verification, Validation, and Uncertainty Quantification Terminology in Computational Modeling and Simulation (new standard)
  PINS Date: Jan 4, 2019 | Public Review Date: Jun 3, 2022 | Final Action Date: Aug 8, 2022 | Approved

  PINS Date: Oct 3, 2008 | Public Review Date: Sep 10, 2021 | Final Action Date: Dec 13, 2021 | Approved

  PINS Date: Jan 12, 2018 | Public Review Date: Apr 17, 2020 | Final Action Date: Aug 14, 2020 | Approved

  PINS Date: Mar 11, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: Jun 22, 2017 | Approved

  PINS Date: Jan 20, 2012 | Public Review Date: Aug 3, 2012 | Final Action Date: Dec 19, 2012 | Approved

  Public Review Date: Dec 6, 2019 | Final Action Date: Feb 24, 2020 | Approved

  Public Review Date: Nov 29, 2019 | Final Action Date: Jul 20, 2020 | Approved

- ANSI/ASME Y14.3-2012 (R2018), Orthographic and Pictorial Views (reaffirmation of ANSI/ASME Y14.3-2012)
  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 20, 2018 | Approved

- ANSI/ASME Y14.31-2014 (R2019), Undimensioned Drawings (reaffirmation of ANSI/ASME Y14.31-2014)
  Public Review Date: Feb 22, 2019 | Final Action Date: May 3, 2019 | Approved

  Public Review Date: Jun 15, 2018 | Final Action Date: Aug 21, 2018 | Approved

  Public Review Date: Feb 22, 2019 | Final Action Date: May 3, 2019 | Approved

  PINS Date: Jun 19, 2009 | Public Review Date: Feb 16, 2018 | Final Action Date: Jun 15, 2018 | Approved

  PINS Date: Oct 9, 2015 | Public Review Date: Sep 7, 2018 | Final Action Date: Mar 22, 2019 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 15, 2019 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Aug 17, 2018 | Final Action Date: Mar 22, 2019 | Approved

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<td>Measurement Data Reporting</td>
<td>new standard - PINS Date: May 2, 2008</td>
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<td>Screw Thread Representation</td>
<td>reaffirmation of ANSI/ASME Y14.6-2001 (R2013) - Public Review Date: Feb 9, 2018</td>
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<td>ANSI/ASNT CP-105-2020</td>
<td>Topical outlines for qualification of nondestructive personnel</td>
<td>revision of ANSI/ASNT CP-105-2015 - PINS Date: Mar 1, 2019</td>
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### ASNT (American Society for Nondestructive Testing)

  (national adoption of ISO 9712: 2012 with modifications and revision of ANSI/ASNT CP-106-2008)  
  PINS Date: Mar 16, 2012 | Public Review Date: Dec 22, 2017 | Final Action Date: Mar 23, 2018 | **Approved**
  (revision of ANSI/ASNT ILI-PQ-2005 (R2010))  
  PINS Date: May 5, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Dec 12, 2017 | **Approved**

### ASPE (American Society of Plumbing Engineers)

6400 Shafer Court, Suite 350, Rosemont, IL 60018 | w: www.aspe.org

- **ANSI/ARCSA/ASPE 63-2020,** Rainwater Catchment Systems  
  (revision of ANSI/ARCSA/ASPE 63-2013)  
  Public Review Date: Mar 27, 2020 | Final Action Date: May 4, 2020 | **Approved**
- **ANSI/ARCSA/ASPE 78-2015,** Stormwater Harvesting System Design for Direct End-Use Applications  
  (new standard)  
  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**
  (reaffirmation of ANSI/WQA/ASPE S-801-2015)  
  PINS Date: Nov 13, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Feb 25, 2021 | **Approved**
- **ANSI/WQA/ASPE S-803-2017,** Sustainable Drinking Water Treatment Systems  
  (revision of ANSI/WQA/ASPE S-803-2015)  
  PINS Date: Jan 27, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Sep 25, 2017 | **Approved**
- **ANSI/WQA/ASPE/NSF S-802-2017,** Sustainable Media Products for Water Treatment  
  (revision of ANSI/WQA/ASPE/NSF S-802-2014)  
  PINS Date: Jan 27, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Oct 11, 2017 | **Approved**

### ASQ (American Society for Quality)

600 N Plankinton Avenue, Milwaukee, WI 53203 | w: www.asq.org

  (new standard)  
  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/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**
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<td>ANSI/ASQ ISO 10007-2018</td>
<td>Quality management Guidelines for configuration management</td>
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<td>Sampling procedures and tables for inspection by attributes</td>
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<td>ANSI/ASQ ISO 10006-2017</td>
<td>Quality management Guidelines for quality management in projects</td>
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<td>ANSI/ASQ/ISO 14004-2016</td>
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<td>Statistics - Vocabulary and symbols - Part 4: Survey sampling</td>
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<td>Quality management Quality of an organization Guidance to achieve sustained success</td>
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<td>ANSI/ASQ/ISO Q10012-2003</td>
<td>Measurement management systems - Requirements for measurement processes and measuring equipment</td>
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<td>ANSI/ASQ/ISO/TS 54001-2019</td>
<td>Quality management systems — Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government</td>
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ASQ (ASC Z1) (American Society for Quality)

PINS Date: Dec 16, 2016 | Public Review Date: Mar 3, 2017 | Final Action Date: Jul 6, 2017 | Approved

- ANSI/ISO 14065-2007, Greenhouse gases - Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (identical national adoption of ISO 14065-2007)
PINS Date: May 25, 2007 | Public Review Date: Jun 29, 2007 | Final Action Date: Aug 17, 2007 | Approved

PINS Date: Apr 29, 2005 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 4, 2007 | Approved

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

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

- ANSI/ISO 3534-1-2006, Statistics - Vocabulary and symbols - Part 1: General statistical terms and terms used in probability (identical national adoption of ISO 3534-1)
PINS Date: Apr 29, 2005 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 3, 2007 | Approved

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

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

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

PINS Date: Jan 6, 2006 | Public Review Date: Mar 3, 2006 | Final Action Date: May 16, 2006 | Approved

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ASQ (ASC Z1) (American Society for Quality)

- 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

PINS Date: Mar 9, 2012 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 22, 2014 | Approved

PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

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  PINS Date: Mar 9, 2012 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ASQ/ANSI/ISO 7870-4-2011, Control charts - Part 4: Cumulative sum charts  (identical national adoption of ISO 7870-4:2011)
  PINS Date: Mar 9, 2012 | Public Review Date: Aug 17, 2012 | Final Action Date: Jan 13, 2015 | Approved

  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  PINS Date: May 1, 2015 | Public Review Date: Jul 24, 2015 | Final Action Date: Sep 9, 2015 | Approved

  PINS Date: May 1, 2015 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 21, 2015 | Approved

  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

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

520 N. Northwest Highway, Park Ridge, IL  60068 | w: www.assp.org

  Public Review Date: Mar 17, 2017 | Final Action Date: Jun 15, 2017 | Approved

  PINS Date: Mar 17, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Jun 15, 2017 | Approved

  PINS Date: Jan 30, 2009 | Public Review Date: Feb 2, 2018 | Final Action Date: Apr 20, 2018 | Approved

  Public Review Date: Mar 17, 2017 | Final Action Date: Jun 15, 2017 | Approved

- ANSI ASSE A10.9-2013 (R2018), Safety Requirements for Concrete and Masonry Work  (reaffirmation of ANSI ASSE A10.9-2013)
  Public Review Date: Feb 16, 2018 | Final Action Date: May 3, 2018 | Approved
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### ASSP (ASC A10) (American Society of Safety Professionals)

  - Public Review Date: Aug 4, 2017 | Final Action Date: Oct 5, 2017 | Approved

- **ANSI/ASSE A10.43-2016, Confined Space Entry for Construction and Demolition Operations** (new standard)
  - PINS Date: Jul 30, 2004 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 4, 2016 | Approved

  - 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: Sep 18, 2020 | Public Review Date: Oct 15, 2021 | Final Action Date: Mar 29, 2022 | Approved

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- **ANSI/ASSP A10.24-2022, Roofing Safety Requirements for Low-Sloped Roofs** (revision and redesignation of ANSI/ASSE A10.24-2014)
  - PINS Date: Jul 23, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 12, 2022 | Approved

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- **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

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- **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

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

- 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

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- 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

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- 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

- ANSI/ASSP A10.8-2019, Scaffolding Safety Requirements (revision and redesignation of ANSI ASSE A10.8-2011)
  - 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

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- 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

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- 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

- 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

- ANSI/ASSE Z359.2-2017, Minimum Requirements for a Comprehensive Managed Fall Protection Program (revision of ANSI/ASSE Z359.2-2007)
  PINS Date: May 28, 2010 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 9, 2017 | Approved

- ANSI/ASSE Z359.4-2013, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision of ANSI/ASSE Z359.4-2007)
  PINS Date: May 28, 2010 | Public Review Date: Oct 5, 2012 | Final Action Date: Feb 28, 2013 | Approved

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- ANSI/ASSE Z590.3-2011 (R2016), Prevention through Design: Guidelines for Addressing Occupational Risks in Design and Redesign Processes (reaffirmation of ANSI/ASSE Z590.3-2011)
  PINS Date: Jul 24, 2015 | Public Review Date: Sep 11, 2015 | Final Action Date: Dec 14, 2015 | Approved

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- ANSI/ASSP Z359.11-2021, Safety Requirements for Full Body Harnesses (revision and redesignation of ANSI/ASSE Z359.11-2014)
  
PINS Date: May 22, 2020 | Public Review Date: Jan 1, 2021 | Final Action Date: Mar 18, 2021 | Approved

  
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- ANSI/ASSP Z359.7-2019, Qualification and Verification Testing of Fall Protection Products (revision and redesignation of ANSI/ASSE Z359.7-2011)
  
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- ANSI/ASSP Z359.9-2021, Personal Equipment for Protection Against Falls Descent Controllers (new standard)
  
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- ANSI/ASTM E1867-2019, Standard Test Method for the Automated Determination of Refractive Index of Glass Samples Using the Oil Immersion Method and a Phase Contrast Microscope (new standard)
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ANSI/ASTM E2225-2021, Standard Guide for Forensic Examination of Fabrics and Cordage (new standard)
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- ANSI/ASTM E2334-2008 (R2018), 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  (reaffirmation of ANSI/ASTM E2334-2008 (R2013))
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- ANSI/ASTM E2335-2019, Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications  (revision of ANSI/ASTM E2335-2017 (R2018))
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | **Approved**

- ANSI/ASTM E2404-2017, Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facings and Veneers, to Assess Surface Burning Characteristics  (revision of ANSI/ASTM E2404-2015A)
  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 25, 2017 | **Approved**

- ANSI/ASTM E2451-2021, Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples  (new standard)
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# Approved American National Standards

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<td>Practice for Conducting an Interlaboratory Study to Determine Precision Estimates for a Fire Test Method with Fewer Than Six Participating Laboratories</td>
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<td>ANSI/ASTM E2655-2014 (R2020)</td>
<td>Guide for Reporting Uncertainty of Test Results and Use of the Term Measurement Uncertainty in ASTM Test Methods</td>
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<td>ANSI/ASTM E2657-2021</td>
<td>Practice for Determination of Endotoxin Concentrations in Water-Miscible Metalworking Fluids</td>
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<td>ANSI/ASTM E2659-2018</td>
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<td>ANSI/ASTM E2685-2018 (R2019)</td>
<td>Specification for Steel Blades Used with the Photovoltaic Module Surface Cut Test</td>
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<td>ANSI/ASTM E2688-2018</td>
<td>Practice for Specimen Preparation and Mounting of Tapes to Assess Surface Burning Characteristics</td>
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<td>ANSI/ASTM E2693-2019</td>
<td>Practice for Prevention of Dermatitis in the Wet Metal Removal Fluid Environment</td>
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<td>ANSI/ASTM E2694-2021</td>
<td>Test Method for Measurement of Adenosine Triphosphate in Water-Miscible Metalworking Fluids</td>
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<td>ANSI/ASTM E2696-2021</td>
<td>Practice for Life and Reliability Testing Based on the Exponential Distribution</td>
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<td>ANSI/ASTM E2707-2022</td>
<td>Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure</td>
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<td>Practice for Demonstrating Capability to Comply with an Acceptance Procedure</td>
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A summary of approved American National Standards:

  - Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

  - Public Review Date: Mar 10, 2017 | Final Action Date: Apr 28, 2017 | Approved

  - Public Review Date: Dec 6, 2019 | Final Action Date: Jan 21, 2020 | Approved

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

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

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ASTM (ASTM International)

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E3006-2020, Practice for Ultraviolet Conditioning of Photovoltaic Modules or Mini-Modules Using a Fluorescent Ultraviolet (UV) Lamp Apparatus (revision of ANSI/ASTM E3006-2018)
  Public Review Date: Oct 4, 2019 | Final Action Date: Jan 15, 2020 | 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 E3020-2022, Practice for Ignition Sources (revision of ANSI/ASTM E3020-2016A)
  Public Review Date: Sep 3, 2021 | Final Action Date: Feb 1, 2022 | Approved

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

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- ANSI/ASTM E3082-2017, Test Methods For Determining the Effectiveness of Fire Retardant Treatments for Natural Christmas Trees (new standard)
  PINS Date: Jul 12, 2013 | Public Review Date: Jun 9, 2017 | Final Action Date: Jul 25, 2017 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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<td>ANSI/ASTM E3159-2021</td>
<td>Guide for General Reliability</td>
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<td>Practice for Preparing an Occupant Exposure Screening Report</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>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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<td>Practice for Specimen Preparation and Mounting of Plastic Composites for Use as Deck Boards, Stair Treads, Guards or Handrails to Assess Surface Burning Characteristics</td>
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<td>ANSI/ASTM E3233-2020</td>
<td>Standard Practice for Forensic Tape Analysis Training Program</td>
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<td>Standard Practice for Forensic Paint Analysis Training Program</td>
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<td>ANSI/ASTM E3245-2020</td>
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<td>Practice for Establishing an Examination Scheme for Intact Explosives</td>
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<td>Standard Guide for Forensic Examination and Comparison of Pressure Sensitive Tapes</td>
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<td>Guide for Homogeneity of Samples and Reference Materials Used for Inter- and Intra-Laboratory Studies</td>
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<td>Practice for Specimen Preparation of Fenestration Profiles Intended to Support Non-Combustible In-Fill Materials to Assess Surface Burning Characteristics</td>
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Public Review Date: Oct 9, 2020 | Final Action Date: Nov 24, 2020 | Approved

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ANSI/ASTM E651-2022, Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building  (new standard)
PINS Date: Apr 15, 2022 | Public Review Date: May 27, 2022 | Final Action Date: Jul 12, 2022 | Approved

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ANSI/ASTM E691-2022, Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method  (revision of ANSI/ASTM E691-2021)
Public Review Date: Mar 11, 2022 | Final Action Date: May 15, 2022 | Approved

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Public Review Date: Jul 10, 2020 | Final Action Date: Aug 25, 2020 | Approved

ANSI/ASTM F1000-2021, Practice for Piping System Drawing Symbols (revision of ANSI/ASTM F1000-2013 (R2019))
Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

ANSI/ASTM F1000-2021, Practice for Piping System Drawing Symbols (revision of ANSI/ASTM F1000-2013 (R2019))
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  - Public Review Date: Apr 6, 2018 | Final Action Date: Sep 1, 2018 | Approved

- 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

  - Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

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  - Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

  - Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved
| 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 |
| ANSI/ASTM F1114-2022, Specification for Heat Sanitizing Commercial Pot, Pan, and Utensil Stationary Rack Type Water-Driven Rotary Spray (revision of ANSI/ASTM F1114-2016) Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | Approved |
| ANSI/ASTM F1122-2022, Specification for Quick Disconnect Couplings (6 in. NPS and Smaller) (revision of ANSI/ASTM F1122-2010 (R2021)) Public Review Date: May 6, 2022 | Final Action Date: Jun 21, 2022 | 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

  Public Review Date: Oct 5, 2018 | Final Action Date: Dec 1, 2018 | 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 10, 2020 | Final Action Date: Feb 25, 2020 | Approved

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ASTM (ASTM International)

  Public Review Date: May 6, 2022 | Final Action Date: Jun 21, 2022 | 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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- ANSI/ASTM F1734-2019, 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 | Public Review Date: Dec 7, 2018 | Final Action Date: Jan 22, 2019 | Approved

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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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- ANSI/ASTM F1883-2020, Practice for Selection of Wire and Cable Size in AWG or Metric Units  (revision of ANSI/ASTM F1883-2003 (R2013))
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<td>Specification for Indicators, Sight, Liquid Level, Direct and Indirect Reading, Tubular Glass/Plastic</td>
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<td>ANSI/ASTM F2145-2013</td>
<td>Specification for Polyamide 11 (PA 11) and Polyamide 12 (PA12) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 and Polyamide 12 Pipe and Tubing</td>
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<td>ANSI/ASTM F2159-2021</td>
<td>Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Crosslinked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing</td>
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- ANSI/ASTM F2168-2013 (R2020), Specification for Packing Material, Graphitic, Corrugated Ribbon or Textured Tape, and Die-Formed Ring (reaffirmation of ANSI/ASTM F2168-2013)
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

- ANSI/ASTM F2176-2017, Specification for Mechanical Couplings Used on Polyethylene Conduit, Duct and Innerduct (new standard)
  Public Review Date: Jul 7, 2017 | Final Action Date: Sep 1, 2017 | Approved

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- ANSI/ASTM F2650-2017, TERMINOLOGY RELATING TO IMPACT TESTING OF SPORTS SURFACES AND EQUIPMENT (revision of ANSI/ASTM F2650-2013)
  PINS Date: Sep 15, 2006 | Public Review Date: Apr 5, 2013 | Final Action Date: Sep 15, 2017 | Approved

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- ANSI/ASTM F2735-2021, Specification for Plastic Insert Fittings For SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2735-2020)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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- ANSI/ASTM F2765-2014 (R2021), Specification for Total Lead Content in Synthetic Turf Fibers (reaffirmation of ANSI/ASTM F2765-2014)
  Public Review Date: Sep 6, 2019 | Final Action Date: May 1, 2021 | 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))
Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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### ANSI/ASTM F2785-2021, Specification for Polyamide 12 Gas Pressure Pipe, Tubing, and Fittings (revision of ANSI/ASTM F2785-2021)
Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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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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### ANSI/ASTM F2801-2019, Practice for Paintball Player Safety Briefing (revision of ANSI/ASTM F2801-2011 (R2015))
Public Review Date: Mar 15, 2019 | Final Action Date: Jul 1, 2019 | Approved

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- ANSI/ASTM F2834-2010 (R2017), Specification for Induction Cooktops, Counter Top, Drop-in Mounted, or Floor Standing  (reaffirmation of ANSI/ASTM F2834-2010)
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

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- ANSI/ASTM F2845-2022, Test Method for Measuring the Dynamic Stiffness (DS) and Cylindrical Coefficient of Restitution (CCOR) of Baseballs and Softballs  (revision of ANSI/ASTM F2845-2014)
  Public Review Date: Apr 8, 2022 | Final Action Date: May 24, 2022 | 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

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- 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))
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- 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

  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 F3285-2018, Guide For Installation and Application of Type C Portable Tanks for Marine LNG Service (new standard)
  PINS Date: Mar 10, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 15, 2018 | Approved

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- ANSI/ASTM F3312-2018, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly (new standard)
  PINS Date: Dec 22, 2017 | Public Review Date: May 11, 2018 | Final Action Date: Jun 26, 2018 | Approved

- ANSI/ASTM F3313-2020, Test Method for Determining Impact Attenuation of Playground Surfaces Within the Use Zone of Playground Equipment as Tested in the Field (revision of ANSI/ASTM F3313-2019)
  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 20, 2020 | Approved

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- ANSI/ASTM F3328-2018, Practice for the One-Step (Solvent Cement Only) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets (new standard)
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- ANSI/ASTM F3351-2020, Test Method for Playground surface impact testing in a laboratory at a specified test height (new standard)
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- ANSI/ASTM F3461-2020, Test Method for Permeability of Equine Surfaces (new standard)
PINS Date: Jan 3, 2020 | Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

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- ANSI/ASTM F3507-2021, Practice for Butt-Fusion Joining of Crosslinkable Polyethylene (CX-PE) Pipe and Tubing (new standard)
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- ANSI/ASTM F3536-2022, Specification for PE and PP Mechanical Fittings for use on NPS 3 or Smaller cold-water service Polyethylene (PE) or Crosslinked Polyethylene (PEX) Pipe or Tubing (new standard)
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- ANSI/ASTM F3539-2022, Standard Practice for Creation of Walkway Tribometer Interlaboratory Study Reports and Test Procedures (new standard)
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- ANSI/ASTM F3543-2022, Terminology for Hunting Saddles (new standard)
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- ANSI/ASTM F3544-2021, Test Method for Hunting Saddle Static Load Capacity (new standard)
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- ANSI/ASTM F3545-2022, Test Method for Static Loading of Treestands, Climbing Sticks, and Tripod or Tower Stands (new standard)
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- ANSI/ASTM F683-2021, Practice for Selection and Application of Thermal Insulation for Piping and Machinery  (revision of ANSI/ASTM F683-2014)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

- ANSI/ASTM F697-2016, Standard Practice for Care and Use of Athletic Mouth Protectors  (new standard)
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- ANSI/ASTM F861-2014a (R202x), Specification for Commercial Dishwashing Racks (reaffirmation of ANSI/ASTM F861-2014a)
  Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

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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)
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- ANSI ATIS 100028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard (stabilized maintenance of ANSI ATIS 100028-2008 (R2013))
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- ANSI ATIS 100029-2008 (S2018), Security Requirements for NGN (stabilized maintenance of ANSI ATIS 100029-2008 (R2013))
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- ANSI ATIS 100030-2008 (S2018), Authentication and Authorization Requirements for Next Generation Network (NGN) (stabilized maintenance of ANSI ATIS 100030-2008 (R2013))
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- ANSI ATIS 1000114-2004 (S2019), Signaling System Number 7 (SS7) – Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000603-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Primary Rate Interface (reaffirmation of ANSI ATIS 1000603-2014)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000604-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface (reaffirmation of ANSI ATIS 1000604-2014)
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- ANSI ATIS 1000609-2014 (R2019), Interworking between the ISDN User-Network Interface Protocol and Signalling System Number 7 ISDN User Part (reaffirmation of ANSI ATIS 1000609-2014)
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- ANSI ATIS 1000610-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services (stabilized maintenance of ANSI ATIS 1000610-1998 (R2013))
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- ANSI ATIS 1000610.a-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services, Modification to the Redirection Number Information Element (stabilized maintenance of ANSI ATIS 1000610.a-1998 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 1000611-1991 (S2018), Signaling System Number 7 (SS7) - Supplementary Services for Non-ISDN Subscribers (stabilized maintenance of ANSI ATIS 1000611-1991 (R2013))
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- ANSI ATIS 1000615-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Layer 3 Overview (reaffirmation of ANSI ATIS 1000615-2014)
  Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

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- ANSI ATIS 1000621-2014 (R2019), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000621-2014)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000622-1999 (S2018), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622-1999 (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))
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- 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 1000625-1993 (S2018), ISDN Supplementary Service Normal Call Transfer (reaffirmation of ANSI ATIS 1000625-1993 (R2013))
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- 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))
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- 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))
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- 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))
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- 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))
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- 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))
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- ANSI ATIS 1000678.a.v2-2007 (S2018), Supplement A to ANSI ATIS 1000678.v2-2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks (stabilized maintenance of ANSI ATIS 1000678.a.v2-2007 (R2013))
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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))
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- ANSI/ATIS 0100012-2019, Standard Outage Classification (revision of ANSI ATIS 0100012-2013)
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- ANSI/ATIS 0100017-2008 (S2018), Reduced Reference Video Calibration Estimation Method (stabilized maintenance of ANSI/ATIS 0100017-2008 (R2013))
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- ANSI/ATIS 0100020-2008 (S2018), Quantifying the Impact on IP Service Availability from Network Element Outages (stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))
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- ANSI/ATIS 0100509-1995 (S2018), Packetized Circuit Multiplication Equipment - Interface Specification  
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- ANSI/ATIS 0100510-1999 (S2018), Network Performance Parameters for Dedicated Digital Services for Rates Up to and Including DS3 - Specifications  
  (stabilized maintenance of ANSI/ATIS 0100510-1999 (R2013))
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- ANSI/ATIS 0100511-2003 (S2018), B-ISDN ATM Layer Cell Transfer Performance  
  (stabilized maintenance of ANSI/ATIS 0100511-2003 (R2013))
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- ANSI/ATIS 0100512-1994 (S2018), Network Performance - Point-to-Point Voice-Grade Special Access Network Voiceband Data Transmission Objectives  
  (stabilized maintenance of ANSI/ATIS 0100512-1994 (R2013))
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- ANSI/ATIS 0100513-2003 (S2018), Frame Relay Data Communication Service - Access, User Information Transfer, Disengagement, and Availability Performance Parameters  
  (stabilized maintenance of ANSI/ATIS 0100513-2003 (R2013))
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- ANSI/ATIS 0100517-1995 (S2016), Performance Parameters and Objectives for Integrated Services Digital Network  
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- ANSI/ATIS 0100518-1998 (S2018), Objective Measurement of Telephone Band Speech Quality Using Measuring Normalizing Blocks (MNBs)  
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- ANSI/ATIS 0100519-1999 (S2018), Specifications for Transport of Generic Packets (including MPEG-2) Transport Packets Over the DS Hierarchy  
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- ANSI/ATIS 0100523-2019, ATIS Telecom Glossary  
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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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- ANSI/ATIS 0100801.01-1995 (S2016), Digital Transport of Video Teleconferencing/Video Telephony Signals - Video Test Scenes for Subjective and Objective Performance Assessment  
  (stabilized maintenance of ANSI/ATIS 0100801.01-1995 (R2011))
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- ANSI/ATIS 0100801.02-1996 (S2016), Digital Transport of Video Teleconferencing/Video Telephony Signals - Performance Terms, Definitions and Examples  
  (stabilized maintenance of ANSI/ATIS 0100801.02-1996 (R2011))
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- ANSI/ATIS 0100801.03-2003 (S2018), Digital Transport of One-Way Video Signals - Parameters for Objective Performance Assessment  
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- ANSI/ATIS 0300264-2010 (S2020), Alarm Surveillance in Telecommunications Management Network (TMN)  
  (stabilized maintenance of ANSI/ATIS 0300264-2010 (R2015))  
  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 10, 2020 | Approved

- ANSI/ATIS 0300269-2006 (S2016), Structure and Representation of Trace Message Formats for Information Exchange  
  (stabilized maintenance of ANSI/ATIS 0300269-2006 (R2011))  
  Public Review Date: Sep 30, 2016 | Final Action Date: Nov 22, 2016 | Approved

  (stabilized maintenance of ANSI/ATIS 0300276-2008 (R2017))  
  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

- ANSI/ATIS 0500019-2010 (S2021), Request for Assistance Interface (RFAI) 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

- ANSI/ATIS 0600004-2017 (R2022), Equipment Surface Temperature  
  (reaffirmation of ANSI/ATIS 0600004-2017)  
  Public Review Date: Mar 18, 2022 | Final Action Date: May 9, 2022 | Approved

- ANSI/ATIS 0600005-2017, Acoustic Measurement  
  (revision of ANSI/ATIS 0600005-2006 (R2011))  
  PINS Date: Jun 2, 2017 | Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI/ATIS 0600010-2020, Temperature, Humidity, and Altitude Requirements for Information and Communications Technology (ICT) Equipment Utilized in Controlled Environmental Spaces  
  (revision of ANSI ATIS 0600010-2014)  
  PINS Date: Jun 21, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jul 10, 2020 | Approved

- ANSI/ATIS 0600010.01-2021, Temperature, Humidity, Altitude, and Salt Fog Requirements for Information and Communications Technology (ICT) Equipment Utilized in Outside Plant Environments  
  (revision of ANSI/ATIS 0600010.01-2017)  
  PINS Date: Jun 21, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jul 10, 2020 | Approved

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

- ANSI/ATIS 0600010.03-2011 (S2021), Heat Dissipation Requirements for Network Telecom Equipment  
  (stabilized maintenance of ANSI/ATIS 0600010.03-2011 (R2016))  
  Public Review Date: Dec 18, 2020 | Final Action Date: Feb 26, 2021 | Approved

- ANSI/ATIS 0600010.04-2017, Operational Vibration Requirements for Communications Equipment  
  (revision of ANSI/ATIS 0600010.04-2011)  
  PINS Date: Oct 21, 2016 | Public Review Date: Dec 2, 2016 | Final Action Date: Jun 15, 2017 | Approved

  (revision of ANSI ATIS 0600015-2013)  
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  (revision of ANSI/ATIS 0600015.01-2014)  
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- 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

  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)
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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

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- 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)
  PINS Date: Apr 2, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Jul 26, 2021 | Approved
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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-to-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))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/ATIS 0600401.05-2000 (S2015), Network to Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with Network-Implemented Coin-Operated Payphone Feature (stabilized maintenance of ANSI/ATIS 0600401.05-2000 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/ATIS 0600403-1999 (S2015), Network and Customer Installation Interfaces - DS1 Electrical Interfaces (stabilized maintenance of ANSI ATIS 0600403-1999 (R2012))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 17, 2015 | Approved

- ANSI/ATIS 0600403.01-1999 (S2015), Network and Customer Installation Interfaces - (ISDN) Primary Rate Layer 1 Electrical Interfaces Specification (stabilized maintenance of ANSI/ATIS 0600403.01-1999 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/ATIS 0600403.02-1999 (S2015), Network and Customer Installation Interfaces - DS1 - Robbed-Bit Signaling State Definitions (stabilized maintenance of ANSI/ATIS 0600403.02-1999 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/ATIS 0600403.02.a-2001 (S2015), Supplement to ATIS-0600403.02.1999(R2005) - Network and Customer Installation Interfaces - DS1 Robbed-bit Signaling State Definitions (stabilized maintenance of ANSI/ATIS 0600403.02. a-2001 (R2010))
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- 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))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

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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))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

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- **ANSI/ATIS 0900102-1993 (S2015)**, Digital Hierarchy - Electrical Interfaces (stabilized maintenance of ANSI/ATIS 0900102-1993 (R2010))
  - Public Review Date: Jan 16, 2015 | Final Action Date: Mar 10, 2015 | Approved

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- **ANSI/ATIS 0900105.01-2000 (S2015)**, Synchronous Optical Network (SONET) - Automatic Protection Switching (stabilized maintenance of ANSI/ATIS 0900105.01-2000 (R2010))
  - Public Review Date: Jan 16, 2015 | Final Action Date: Mar 10, 2015 | Approved

- **ANSI/ATIS 0900105.02-2007 (S2017)**, Synchronous Optical Network (SONET) - Payload Mappings (stabilized maintenance of ANSI/ATIS 0900105.02-2007 (R2012))
  - Public Review Date: Jan 20, 2017 | Final Action Date: Mar 16, 2017 | Approved

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- **ANSI/ATIS 0900105.05-2002 (S2015)**, Synchronous Optical Network (SONET): Tandem Connection Maintenance (stabilized maintenance of ANSI ATIS 0900105.05-2002 (R2013))
  - Public Review Date: Jan 16, 2015 | Final Action Date: Mar 5, 2015 | Approved

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- ANSI/ATIS 1000110-1999 (S2020), Signaling System No. 7 (SS7) - General Information (stabilized maintenance of ANSI/ATIS 1000110-1999 (R2015))
  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000111-2005 (S2020), Signaling System No. 7 (SS7) - Message Transfer Part (MTP) (stabilized maintenance of ANSI/ATIS 1000111-2005 (R2015))
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- ANSI/ATIS 1000112-2005 (S2020), Signaling System No. 7 (SS7) - Signaling Connection Control Part (SCCP) (stabilized maintenance of ANSI/ATIS 1000112-2005 (R2015))
  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000112.a-2006 (S2016), Subsystem Number Assignment Guidelines (stabilized maintenance of ANSI/ATIS 1000112.a-2006 (R2011))
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- ANSI/ATIS 1000116-2000 (S2020), Signaling System No. 7 (SS7) - Operations, Maintenance, and Administrative Part (OAMP) (stabilized maintenance of ANSI/ATIS 1000116-2000 (R2015))
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- ANSI/ATIS 1000607.a-2006 (S2016), Supplement to ATIS-1000607 (stabilized maintenance of ANSI/ATIS 1000607.a-2006 (R2011))
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- ANSI/ATIS 1000613-1991 (S2017), Integrated Services Digital Network (ISDN) - Call Waiting Supplementary Service (stabilized maintenance of ANSI ATIS 1000613-1991 (R2012))
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- ANSI/ATIS 1000616-2014 (R2019), ISDN - Call Hold Supplementary Service (reaffirmation of ANSI ATIS 1000616-2014)
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- ANSI/ATIS 1000620a-2014 (R2019), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI ATIS 1000620a-2014)
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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))
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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))
  - Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000655-2001 (S2016), Signaling System Number 7 (SS7) - Upper Layer Security Capability (stabilized maintenance of ANSI/ATIS 1000655-2001 (R2011))
  - Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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- ANSI/ATIS 1000661-2000 (S2020), Signaling System Number 7 (SS7) - Release to Pivot (RTP) (stabilized maintenance of ANSI/ATIS 1000661-2000 (R2015))
  - Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

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

- ANSI/ATIS 1000666.a-2000 (S2019), Supplement to T1.666-1999, Interactions Between the Operator Services Network Capabilities (OSNC) and Release to Pivot (RTP) (stabilized maintenance of ANSI ATIS 1000666.a-2000 (R2014))
  - Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

  - Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/ATIS 1000688-1999 (S2020), Signaling System Number 7 (SS7) - Facility Request to Pivot (FRP) (stabilized maintenance of ANSI/ATIS 1000688-1999 (R2015))
  - Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved
ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI/ATIS 1000669-1999 (S2020), Signaling System Number 7 (SS7) - Intermediate Network Selection (INS) (stabilized maintenance of ANSI/ATIS 1000669-1999 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000671-2000 (S2020), Signaling System Number 7 (SS7) - Carrier Service Provider Identification (CSPI) (stabilized maintenance of ANSI/ATIS 1000671-2000 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

- ANSI/ATIS 1000674-2002 (S2017), BICC CS1+: Signaling Transport Converters (STCs) (stabilized maintenance of ANSI ATIS 1000674-2002 (R2012))
  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

  PINS Date: Apr 14, 2017 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 9, 2020 | Approved

  PINS Date: Jan 22, 2021 | Public Review Date: Mar 5, 2021 | Final Action Date: Apr 20, 2021 | Approved

  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

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

  PINS Date: Mar 24, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Dec 18, 2017 | Approved

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

- 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
### AVIXA (Audiovisual and Integrated Experience Association)

- 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, 2014 | Final Action Date: Jan 22, 2015 | Approved

- ANSI/INFOCOMM 10-2013, Audiovisual Systems Performance Verification  (new standard)
  - PINS Date: Mar 2, 2012 | Public Review Date: Jul 5, 2013 | Final Action Date: Dec 20, 2013 | Approved

- 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

  - PINS Date: Oct 15, 2010 | Public Review Date: Dec 25, 2015 | Final Action Date: May 23, 2016 | Approved

### AWC (American Wood Council)

  - PINS Date: Aug 21, 2015 | Public Review Date: May 26, 2017 | Final Action Date: Nov 16, 2017 | Approved

  - PINS Date: Dec 7, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 6, 2020 | Approved

  - PINS Date: Dec 22, 2017 | Public Review Date: Mar 20, 2020 | Final Action Date: Jul 22, 2020 | Approved

  - PINS Date: Aug 21, 2015 | Public Review Date: Oct 6, 2017 | Final Action Date: Dec 5, 2017 | Approved

### AWI (Architectural Woodwork Institute)

- ANSI/AWI 0400-2022, AWI 0400 - Factory Finishing  (new standard)
  - PINS Date: Sep 13, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 4, 2022 | Approved

- 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 1232-2022, Manufactured Wood Casework  (new standard)
  - PINS Date: Nov 25, 2016 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 11, 2022 | Approved

- ANSI/AWI 1236-2022, Countertops  (new standard)
  - PINS Date: Nov 25, 2016 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 31, 2022 | 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)
P.O. Box 361784, Birmingham, AL  35236-1784 | w: www.awpa.com

  PINS Date: Nov 2, 2018 | Public Review Date: Jun 24, 2022 | Final Action Date: Aug 18, 2022 | 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)
8669 NW 36th Street, Suite 130, Miami, FL  33166-6672 | w: www.aws.org

- 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

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  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
### Approved American National Standards

**AWS (American Welding Society)**

  - PINS Date: Apr 5, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 13, 2020 | Approved

  - PINS Date: Mar 20, 2015 | Public Review Date: Aug 4, 2017 | Final Action Date: Oct 27, 2017 | Approved

  - 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

  - PINS Date: May 15, 2015 | Public Review Date: May 26, 2017 | Final Action Date: Jan 10, 2018 | Approved

  - PINS Date: Jun 5, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

  - PINS Date: May 26, 2017 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 1, 2021 | Approved

  - PINS Date: Feb 3, 2012 | Public Review Date: Oct 25, 2013 | Final Action Date: Jan 23, 2014 | Approved

  - PINS Date: Apr 5, 2019 | Public Review Date: Sep 20, 2019 | Final Action Date: Apr 10, 2020 | Approved
AWS (American Welding Society)

  PINS Date: Apr 5, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/AWS A5.29/A5.29M-2021, Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding (new standard)
  PINS Date: Jun 5, 2020 | Public Review Date: Jul 17, 2020 | Final Action Date: Sep 11, 2020 | Approved

- ANSI/AWS A5.31M/A5.31-2022, Specification for Fluxes for Brazing and Braze Welding (revision of ANSI/AWS A5.31M/A5.31-2012)
  PINS Date: Dec 14, 2018 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved

  PINS Date: May 29, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Mar 22, 2021 | Approved

- ANSI/AWS A5.34/A5.34M-2020, Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2018)
  PINS Date: Nov 8, 2019 | Public Review Date: Apr 24, 2020 | Final Action Date: Jun 16, 2020 | Approved

- ANSI/AWS A5.35/A5.35M-2016, Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding (revision of ANSI/AWS A5.35/A5.35M-2015)
  PINS Date: Jun 3, 2016 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 22, 2016 | Approved

  PINS Date: Jul 28, 2017 | Public Review Date: Oct 4, 2019 | Final Action Date: Feb 24, 2020 | Approved

- ANSI/AWS A5.4/A5.4M-2012, Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.4/A5.4M-2006)
  PINS Date: Feb 11, 2011 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 5, 2012 | Approved

- 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 Braze 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
AWS (American Welding Society)

  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 16, 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

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved

  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
AWS (American Welding Society)

- 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

- ANSI/AWS B2.1-1-019-2018, Standard Welding Procedure Specification (SWPS) for 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-1C and E71T-1C, 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 B2.1-1-020-2018, 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

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
AWS (American Welding Society)

- 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 B2.1-1-232-2019, 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 (Short Circuiting Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-234-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard) PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-234-2020-AMD1, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7XT-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (revision and redesignation of ANSI/AWS B2.1-1-234:2020) 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
AWS (American Welding Society)

  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

  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

- 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 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, IN309 and ER309(L), 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)
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- 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)
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- 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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  PINS Date: Apr 1, 2011 | Public Review Date: Mar 18, 2016 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Feb 5, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/AWS B2.4-2020-AMD1, Specification for Welding Procedure and Performance Qualification for Thermoplastics (revision of ANSI/AWS B2.4-2012)
  PINS Date: Aug 9, 2019 | Public Review Date: Oct 11, 2019 | Final Action Date: Jan 30, 2020 | Approved

  PINS Date: Nov 25, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: May 11, 2017 | Approved
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  (revision of ANSI/AWS C1.1M/C1.1-2012)  
  PINS Date: Aug 12, 2016 | Public Review Date: Oct 26, 2018 | Final Action Date: Jan 18, 2019 | Approved

- **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)  
  PINS Date: Mar 30, 2012 | Public Review Date: Oct 21, 2016 | Final Action Date: Jan 3, 2017 | Approved

- **ANSI/AWS C1.5-2019, Specification For The Qualification Of Resistance Welding Technicians**  
  (revision of ANSI/AWS C1.5-2015)  
  PINS Date: Sep 23, 2016 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 3, 2019 | Approved

  (new standard)  
  PINS Date: Jul 12, 2013 | Public Review Date: Dec 23, 2016 | Final Action Date: Mar 10, 2017 | Approved

  (new standard)  
  Public Review Date: Apr 26, 2013 | Final Action Date: Jul 29, 2013 | Approved

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

  (revision of ANSI/AWS C2.21M/C2.21-2003)  
  PINS Date: Apr 17, 2009 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 27, 2015 | Approved

- **ANSI/AWS C2.25/C2.25M-2012 (R2018), Specification for Thermal Spray Feedstock-Wire and Rods**  
  (reaffirmation of ANSI/AWS C2.25/C2.25M-2012)  
  PINS Date: Jan 1, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 1, 2017 | Approved

  (new standard)  
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  (new standard)  
  PINS Date: Mar 25, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 31, 2020 | Approved

- **ANSI/AWS C3.2M/C3.2-2019, Standard Method For Evaluating the Strength of Brazed Joints**  
  (new standard)  
  PINS Date: Apr 8, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 30, 2018 | Approved

- **ANSI/AWS C3.3-2008 (R2016), Recommended Practices for the Design, Manufacture, and Examination of Critical Brazed Components**  
  (reaffirmation of ANSI/AWS C3.3-2008)  
  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
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- 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)
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- 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

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- ANSI/AWS C6.3M/C6.3-2023, Recommended Practice for Friction Stir Welding (new standard)
  PINS Date: Mar 29, 2013 | Public Review Date: Nov 5, 2021 | Final Action Date: Aug 18, 2022 | Approved

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- 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

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  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)
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- 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

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- 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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- ANSI/AWS F4.2-2019, Safety Guidelines for Proper Selection of Welding Cables (new standard)
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- 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)
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- 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 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)
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- 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)
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AWS (ASC Z49) (American Welding Society)

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

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AWWA (American Water Works Association)

6666 W. Quincy Avenue, Denver, CO 80235 | w: www.awwa.org

- ANSI/AWWA A100-2020, Water Wells (revision of ANSI/AWWA A100-2015)
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- ANSI/AWWA B100-2015, Granular Filter Material (revision of ANSI/AWWA B100-2009)
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- ANSI/AWWA B100a-2017, Addendum to B100-16, Granular Filter Material (supplement to ANSI/AWWA B100-2015)
PINS Date: Jun 30, 2017 | Public Review Date: Sep 29, 2017 | Final Action Date: Nov 3, 2017 | Approved
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**AWWA (American Water Works Association)**

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- ANSI/AWWA C563-2021, Fabricated Composite Slide Gates  (revision of ANSI/AWWA C563-2014)
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  PINS Date: May 25, 2012 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 14, 2017 | Approved

- ANSI/AWWA C602-2017, Cement-Mortar Lining of Water Pipelines in Place - 4 In. (100 mm) and Larger  (revision of ANSI/AWWA C602-2011)
  PINS Date: May 3, 2013 | Public Review Date: Dec 2, 2016 | Final Action Date: Jan 24, 2017 | Approved

- ANSI/AWWA C604-2017, Installation of Buried Steel Water Pipe - 4 In. (100 mm) and Larger  (revision of ANSI/AWWA C604-2011)
  PINS Date: May 3, 2013 | Public Review Date: Nov 11, 2016 | Final Action Date: Jan 6, 2017 | Approved

- 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)
  PINS Date: Sep 12, 2014 | Public Review Date: Sep 18, 2020 | Final Action Date: Feb 5, 2021 | Approved

- ANSI/AWWA C606-2015, Grooved and Shouldered Joints  (revision of ANSI/AWWA C606-2011)
  PINS Date: Sep 9, 2011 | Public Review Date: Jan 2, 2015 | Final Action Date: Feb 20, 2015 | Approved

- 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)
  PINS Date: Apr 10, 2009 | Public Review Date: Apr 13, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/AWWA C622-2019, Pipe Bursting of Potable Water Mains 4-In. to 36-In.  (new standard)
  PINS Date: Apr 23, 2010 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 16, 2019 | Approved

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

- 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)
  PINS Date: Jul 6, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/AWWA C652-2019, Disinfection of Water-Storage Facilities  (revision of ANSI/AWWA C652-2011)
  PINS Date: May 3, 2013 | Public Review Date: Sep 20, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/AWWA C653-2019, Disinfection of Water Treatment Plants  (revision of ANSI/AWWA C653-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Mar 27, 2020 | Final Action Date: May 15, 2020 | Approved

- ANSI/AWWA C654-2021, Disinfection of Wells  (revision of ANSI/AWWA C654-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Jun 23, 2021 | Final Action Date: Aug 23, 2021 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Jul 7, 2017 | Final Action Date: Sep 1, 2017 | Approved

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- ANSI/AWWA C900-2022, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1,500 mm) (revision of ANSI/AWWA C900-2016)
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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)
  PINS Date: Nov 16, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 1, 2020 | Approved

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

  PINS Date: Sep 1, 2017 | Public Review Date: May 27, 2022 | Final Action Date: Jul 21, 2022 | Approved

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

  PINS Date: May 3, 2013 | Public Review Date: Mar 10, 2017 | Final Action Date: May 4, 2017 | Approved

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

- ANSI/AWWA C950-2020, Fiberglass Pressure Pipe (revision of ANSI/AWWA C950-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Feb 14, 2020 | Final Action Date: Apr 3, 2020 | Approved

- ANSI/AWWA D100-2021, Welded Carbon Steel Tanks for Water Storage (revision of ANSI/AWWA D100-2011)
  PINS Date: May 3, 2013 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 28, 2021 | Approved

  PINS Date: Nov 16, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 19, 2021 | Approved

  PINS Date: Jul 23, 2010 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved

  PINS Date: May 25, 2012 | Public Review Date: May 19, 2017 | Final Action Date: Aug 3, 2017 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 4, 2020 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Nov 6, 2015 | Final Action Date: Dec 21, 2015 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved
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- ANSI/AWWA D110-2013 (R2018), Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks  
  (reaffirmation of ANSI/AWWA D110-2013) 
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- ANSI/AWWA D115-2020, Tendon-Prestressed Concrete Water Tanks  
  PINS Date: Jul 19, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 27, 2020 | Approved

- ANSI/AWWA D120-2019, Thermosetting Fiberglass-Reinforced Plastic Tanks  
  (revision of ANSI/AWWA D120-2009) 
  PINS Date: May 25, 2012 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 3, 2019 | Approved

- ANSI/AWWA D121-2012, Bolted Aboveground Thermosetting Fiberglass-Reinforced Plastic Panel-Type Tanks for Water Storage  
  (new standard) 
  PINS Date: Mar 14, 2008 | Public Review Date: Feb 3, 2012 | Final Action Date: Mar 27, 2012 | Approved

- ANSI/AWWA D121a-2014, Bolted Aboveground Thermosetting Fiberglass-Reinforced Plastic Panel-Type Tanks for Water Storage  
  (supplement to ANSI/AWWA D121-2012) 
  PINS Date: Apr 19, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Nov 26, 2013 | Approved

- ANSI/AWWA D130-2011 (R2019), Geomembrane Materials for Potable Water Applications  
  (reaffirmation of ANSI/AWWA D130-2011) 
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- ANSI/AWWA E102-2017, Submersible Vertical Turbine Pumps  
  (revision of ANSI/AWWA E102-2008) 
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- ANSI/AWWA E103-2021, Horizontal Centrifugal and Vertical Line-Shaft Pumps  
  (revision of ANSI/AWWA E103-2015) 
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- ANSI/AWWA E110-2022, Solids Handling Pumps For Wastewater Applications  
  (new standard) 
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- ANSI/AWWA E200-2018, Progressive Cavity Chemical Metering Pumps  
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  (revision of ANSI/AWWA F102-2013) 
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- ANSI/AWWA F110-2022, Ultraviolet Disinfection Systems for Drinking Water  
  (revision of ANSI/AWWA F110-2016) 
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- ANSI/AWWA F120-2018, Ozone Systems for Water  
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- ANSI/AWWA F130-2022, Aeration Systems for Biological Wastewater Treatment  
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- ANSI/AWWA G100-2017, Water Treatment Plant Operation and Management  
  (revision of ANSI/AWWA G100-2011) 
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- ANSI/AWWA G200-2021, Distribution Systems Operation & Management  
  (revision of ANSI/AWWA G200-2015) 
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  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 18, 2020 | Approved

- ANSI B11.16 (MPIF 47)-2003 (R2020), Safety Requirements for Powder / Metal Compacting Presses (reaffirmation and redesignation of ANSI B11.16-2014)
  Public Review Date: Jul 19, 2019 | Final Action Date: Jan 6, 2020 | Approved

  Public Review Date: Feb 21, 2014 | Final Action Date: Jul 14, 2015 | Approved

- ANSI B11.18-1997 (R2020), Safety Requirements for Machines Processing or Slitting Coiled or Non-coiled Metal (reaffirmation of ANSI B11.18-1997 (R2012))
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- ANSI B11.2-2013 (R2020), Safety Requirements for Hydraulic and Pneumatic Power Presses (reaffirmation of ANSI B11.2-2013)
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  PINS Date: Aug 8, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 12, 2017 | Approved

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- ANSI B11.22-2001 (R2020), Safety Requirements for Turning Centers & Automatic Numerically Controlled Turning Machines (reaffirmation of ANSI B11.22-2001 (R2012))
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- ANSI B11.23-2001 (R2020), Safety Requirements for Machining Centers and Automatic Numerically Controlled Milling, Drilling and Boring Machines (reaffirmation of ANSI B11.23-2001 (R2012))
  PINS Date: Feb 18, 2011 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.24-2001 (R2020), Safety Requirements for Transfer Machines (reaffirmation of ANSI B11.24-2001 (R2012))
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- ANSI B11.25-2015, Safety requirements for large machines (new standard)
  PINS Date: Feb 8, 2013 | Public Review Date: Mar 6, 2015 | Final Action Date: Apr 7, 2015 | Approved

  PINS Date: Sep 14, 2012 | Public Review Date: Jun 22, 2018 | Final Action Date: Nov 27, 2018 | Approved

- ANSI B11.27-2020, Safety Requirements for Electro-Discharge Machines (new standard)
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- ANSI B11.4-2003 (R2020), Safety Requirements for Shears (reaffirmation of ANSI B11.4-2003 (R2013))
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**BHCBE (Behavioral Health Center of Excellence)**

8033 West Sunset Blvd, #1093, Los Angeles, CA 90046 | w: www.bhcoe.org


**BHMA (Builders Hardware Manufacturers Association)**

17 Faulkner Drive, Niantic, CT 06357 | w: www.buildershardware.com

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<td>ANSI/BHMA A156.5-2020, Standard for Cylinders and Input Devices (revision of ANSI/BHMA A156.5-2014)</td>
<td>Nov 30, 2018</td>
<td>Jan 3, 2020</td>
<td>Apr 1, 2020</td>
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<td>ANSI/BHMA A156.7-2021, Standard for Template Hinge Dimensions (revision of ANSI/BHMA A156.7-2016)</td>
<td>Apr 3, 2020</td>
<td>Aug 6, 2021</td>
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<td>Approved</td>
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### BICSI (Building Industry Consulting Service International)

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<tr>
<th>Standard Title</th>
<th>Date Approved</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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**BICSI (Building Industry Consulting Service International)**

- ANSI/BICSI N3-2019, Planning and Installation Methods for the Bonding and Grounding of Telecommunication and ICT Systems and Infrastructure  (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 17, 2019 | Approved

**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 24, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Apr 28, 2022 | Approved

- ANSI/BIFMA X5.11-2015 (R2020), General-Purpose Large Occupant Office Chairs  (reaffirmation of ANSI/BIFMA X5.11-2015)
  PINS Date: Jan 3, 2020 | Public Review Date: Feb 14, 2020 | Final Action Date: Oct 8, 2020 | Approved

- ANSI/BIFMA X5.4-2020, Public and Lounge Seating  (revision of ANSI/BIFMA X5.4-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: Feb 14, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI/BIFMA X5.41-2021, Large Occupant Public and Lounge Seating  (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 5, 2021 | Approved

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

- ANSI/BIFMA X5.6-2016 (R2021), Panel Systems  (reaffirmation of ANSI/BIFMA X5.6-2016)
  PINS Date: Jan 22, 2021 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 27, 2021 | Approved

- ANSI/BIFMA X5.9-2019, Storage Units  (revision of ANSI/BIFMA X5.9-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: Oct 26, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Aug 19, 2016 | Public Review Date: Jan 19, 2018 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/BIFMA X6.4-2021, Occasional-Use Seating  (new standard)
  PINS Date: Mar 2, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI/BIFMA X6.5-2022, Home Office and Occasional-Use Desk, Table and Storage Products  (revision and redesignation of ANSI/BIFMA/SOHO S6.5-2008 (R2013))
  PINS Date: Sep 7, 2018 | Public Review Date: Feb 18, 2022 | Final Action Date: Apr 5, 2022 | Approved

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | 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
BOMA (Building Owners and Managers Association)

  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)

107 Hermes Road, Suite 110, Malta, NY  12020 | w: www.bpi.org

- 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)

1300 Sumner Avenue, Cleveland, OH  441152851 | w: www.cagi.orgwelcome.htm

  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
CEMA (Conveyor Equipment Manufacturers Association)

  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. 102-2022, Conveyor Terms and Definitions (revision of ANSI/CEMA Standard No. 102-2012)
  PINS Date: Dec 24, 2021 | Public Review Date: Feb 11, 2022 | Final Action Date: Mar 29, 2022 | 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

- 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)

8484 Westpark Drive, Suite 220, McLean, VA 22102 | w: www.cganet.com

- 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
Approved American National Standards

CGA (Compressed Gas Association)

  Public Review 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)

19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | w: www.CompositePanel.org

- ANSI A135.4-2012 (R2020), Basic Hardboard (reaffirmation of ANSI A135.4-2012)
  PINS 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 A208.2-2022, Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2016)
  PINS Date: Mar 19, 2021 | Public Review Date: Feb 11, 2022 | Final Action Date: Apr 14, 2022 | Approved

- ANSI/CPA A208.1-2022, Particleboard (revision and redesignation of ANSI A208.1-2016)
  PINS Date: Mar 19, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 22, 2022 | 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 17-2022, Electrical Characteristics of ECDs and CEWs. (revision of ANSI/CPLSO-17-2017)
  Public Review Date: Mar 18, 2022 | Final Action Date: Jul 18, 2022 | 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-14-2016 (R2021), Crane Insulators (reaffirmation of ANSI/CPLSO-14-2016)
  Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | 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
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CRSI (Concrete Reinforcing Steel Institute)
933 N Plum Grove Road, Schaumburg, IL 60173 | w: www.crsi.org

  PINS Date: Dec 17, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI/CRSI CG1.2-2022, CRSI Standard for Epoxy Coating Plant: Custom Lines (revision of ANSI/CRSI CG1.2-2016)
  PINS Date: Dec 17, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 25, 2022 | 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

- ANSI/CRSI RB4.1-2022, Supports for Reinforcement Used in Concrete (revision of ANSI/CRSI RB4.1-2016)
  PINS Date: Aug 28, 2020 | Public Review Date: Dec 24, 2021 | Final Action Date: Apr 4, 2022 | 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

  PINS Date: Apr 12, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 11, 2019 | Approved

- ANSI NGV 4.8/CSA 12.8-2012 (R2016), Natural gas vehicle fueling station reciprocating compressor guidelines (same as CSA 12.8) (reaffirmation of ANSI NGV 4.8/CSA 12.8-2012)
  Public Review Date: Oct 7, 2016 | Final Action Date: Nov 30, 2016 | Approved

- ANSI NGV 4.8/CSA 12.8-2020, Natural gas vehicle fueling station compressor packages (revision of ANSI NGV 4.8/CSA 12.8-2012 (R2016))
  PINS Date: Dec 27, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Nov 30, 2020 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Nov 29, 2018 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Feb 26, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI Z21.103-2017, Unvented Portable Type Gas Camp Heaters for Indoor and Outdoor Use, same as BSR Z21.103 (new standard)
  PINS Date: Sep 28, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: Dec 6, 2017 | Approved
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<td>ANSI Z21.23-2021</td>
<td>Gas Appliance Thermostats, same as CSA 6.6 (revision of ANSI Z21.23-2010 (R2020))</td>
<td>Jun 18, 2021</td>
<td>Nov 12, 2021</td>
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CSA (CSA America Standards Inc.)

  Public Review Date: Nov 29, 2019 | Final Action Date: Jan 14, 2020 | Approved

  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 10, 2022 | Approved

  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 3, 2022 | Approved

  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 3, 2022 | Approved

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

  Public Review Date: Jan 26, 2018 | Final Action Date: Dec 7, 2018 | Approved

- 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

- 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

  PINS Date: Jun 26, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Dec 1, 2020 | Approved

  Public Review Date: Nov 27, 2020 | Final Action Date: Jan 26, 2021 | Approved

  PINS Date: Feb 19, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 14, 2022 | Approved

  Public Review Date: Oct 15, 2021 | Final Action Date: Dec 16, 2021 | Approved
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**CSA (CSA America Standards Inc.)**

  PINS Date: Apr 27, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Aug 8, 2019 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: Mar 31, 2020 | Approved

  Public Review Date: Feb 28, 2020 | Final Action Date: Apr 15, 2020 | Approved

  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

  PINS Date: Aug 12, 2016 | Public Review Date: Feb 15, 2019 | Final Action Date: Sep 16, 2019 | Approved

  Public Review Date: May 6, 2022 | Final Action Date: Jul 11, 2022 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Dec 14, 2017 | Approved

- **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

  Public Review Date: Aug 13, 2021 | Final Action Date: Sep 28, 2021 | Approved

  Public Review Date: Nov 29, 2019 | Final Action Date: Jan 14, 2020 | Approved

  Public Review Date: Dec 20, 2019 | Final Action Date: Feb 4, 2020 | Approved

  PINS Date: Jul 10, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 4, 2021 | Approved

  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

  PINS Date: Jul 5, 2013 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 29, 2017 | Approved

  PINS Date: Jan 12, 2018 | Public Review Date: May 18, 2018 | Final Action Date: Feb 4, 2019 | Approved
Approved American National Standards

CSA (CSA America Standards Inc.)

  Public Review Date: Jan 31, 2020 | Final Action Date: Mar 17, 2020 | Approved

  Public Review Date: Oct 15, 2021 | Final Action Date: Dec 16, 2021 | Approved

- ANSI Z21.86-2016 (R2021), Vented gas-fired space heating appliances, same as CSA 2.32 (reaffirmation of ANSI Z21.86-2016)
  Public Review Date: Sep 24, 2021 | Final Action Date: Nov 9, 2021 | Approved

- ANSI Z21.87-2007 (R2017) and ANS Z21.87a-2010 (R2017), Automatic Gas shutoff devices for hot water supply systems and component (reaffirmation of ANSI Z21.87-2007 (R2011) and Add A)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

  PINS Date: Aug 9, 2013 | Public Review Date: Jun 16, 2017 | Final Action Date: Aug 24, 2017 | Approved

  PINS Date: Jul 6, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Nov 11, 2019 | Approved

  PINS Date: Nov 13, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 9, 2021 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Jan 3, 2017 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Dec 30, 2019 | Approved

  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

  Public Review Date: Feb 4, 2022 | Final Action Date: Mar 22, 2022 | Approved

  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 22, 2021 | Approved

Provided by American National Standards Institute  www.ansi.org  Monday, August 22, 2022  PAGE |
### Approved American National Standards

**CSA (CSA America Standards Inc.)**

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<td>ANSI Z21.96-2019</td>
<td>Portable water heaters for outdoor use, same as CSA 11.6</td>
<td>Jun 30, 2017</td>
<td>Approved</td>
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<td>ANSI Z21.96a-2021</td>
<td>Portable Water Heaters for Outdoor Use, same as CSA 11.6a</td>
<td>Jul 9, 2021</td>
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<tr>
<td>ANSI Z21.97-2017</td>
<td>Outdoor Decorative Gas Appliances, same as CSA 2.41-201x</td>
<td>Sep 30, 2016</td>
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<td>ANSI Z83.11-2016/CSA 1.8-2016 (R2021)</td>
<td>Gas Food Service Equipment, same as CSA 1.8</td>
<td>Nov 27, 2020</td>
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<tr>
<td>ANSI Z83.18-2016 (R2021)</td>
<td>Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications, same as Z83.18</td>
<td>Mar 26, 2021</td>
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<td>ANSI Z83.19-2017</td>
<td>Standard for Gas-Fired High Intensity Infrared Heaters, same as CSA 2.35</td>
<td>May 29, 2015</td>
<td>Approved</td>
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<td>ANSI Z83.20-2016 (R2021)</td>
<td>Gas-fired tubular and low-intensity infrared heaters, same as Z83.20-2016 (R202x, same as ANSI Z83.20-2016)</td>
<td>Oct 29, 2021</td>
<td>Approved</td>
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<td>ANSI Z83.21-2019, Z83.21 Commercial Dishwashers, same as Z83.21</td>
<td>Mar 30, 2018</td>
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<td>ANSI Z83.25 (CSA3.19)-2016 (R2021)</td>
<td>Direct gas-fired process air heaters, same as CSA 3.19</td>
<td>Mar 26, 2021</td>
<td>Approved</td>
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<tr>
<td>ANSI Z83.26-2014</td>
<td>Standard for Gas-Fired Outdoor Infrared Patio Heaters (same as CSA 2.37)</td>
<td>Apr 11, 2014</td>
<td>Approved</td>
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<tr>
<td>ANSI Z83.4-2016 (R2022)</td>
<td>Non-Recirculating Direct Gas-Fired Heating And Forced Ventilation Appliances For Commercial And Industrial Application, same as CSA 3.7-2016</td>
<td>Jan 14, 2022</td>
<td>Approved</td>
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<tr>
<td>ANSI Z83.7-2017</td>
<td>Gas-Fired Construction Heaters, same as CSA 2.14</td>
<td>Sep 9, 2016</td>
<td>Approved</td>
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<tr>
<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</td>
<td>May 18, 2018</td>
<td>Approved</td>
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CSA (CSA America Standards Inc.)

  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/CHMC 2-2019, Test methods for evaluating material compatibility in compressed hydrogen applications - Polymers. (new standard)
  PINS Date: Apr 7, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Jul 29, 2019 | Approved

- ANSI/CSA 13.1-2021, Combined heat and power appliances (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 10, 2021 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Dec 28, 2018 | Final Action Date: Mar 12, 2019 | Approved

- ANSI/CSA B149.6-2019, Code for digester gas, landfill gas, and biogas generation and utilization (revision and redesignation of ANSI B149.6-2015)
  PINS Date: Aug 17, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Oct 15, 2019 | Approved

- ANSI/CSA C22.2 No. 184.2-2019, Solid-state controls for lighting systems (SSCLS) (new standard)
  PINS Date: Mar 22, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Mar 31, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 24, 2019 | Approved

- ANSI/CSA C22.2 No. 19085-6-2021, Woodworking machines — Safety — Part 6: Single spindle vertical moulding machines (toupies) (national adoption with modifications of ISO 19085-6)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved

- 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: May 1, 2019 | Final Action Date: Mar 25, 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

  Public Review Date: Sep 7, 2018 | Final Action Date: Sep 27, 2018 | Approved

  Public Review Date: Jun 11, 2021 | Final Action Date: Aug 12, 2021 | Approved
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<td>ANSI/CSA FC 5-2021</td>
<td>Hydrogen generators using fuel processing technologies - Part 1: Safety (national adoption with modifications of ISO 16110-1)</td>
<td>Jan 6, 2021</td>
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<tr>
<td>ANSI/CSA FC 6-2018</td>
<td>Fuel cell technologies Part 2: Fuel cell modules (national adoption with modifications of IEC 62282-2-100)</td>
<td>Nov 20, 2018</td>
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<td>ANSI/CSA HGV 2-2021</td>
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<td>Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012)</td>
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<td>ANSI/CSA LC 6-2008 (R2018)</td>
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<td>ANSI/CSA LNG 3.3-2018</td>
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<td>PINS Date: May 5, 2017</td>
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<td>PINS Date: Apr 5, 2019</td>
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PINS Date: Nov 1, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Sep 14, 2020 | Approved

ANSI/CSA NGV 4.7-2020, Automatically pressure operated valves for natural gas dispensing systems (new standard)
PINS Date: Nov 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Dec 1, 2020 | Approved

ANSI/CSA NGV 5.1-2016 (R2020), Residential Fueling Appliances (reaffirmation of ANSI/CSA NGV 5.1-2016)
Public Review Date: Aug 14, 2020 | Final Action Date: Nov 5, 2020 | Approved

Public Review Date: Aug 20, 2020 | Final Action Date: Oct 15, 2021 | Approved

PINS Date: Nov 1, 2019 | Public Review Date: Jan 1, 2021 | Final Action Date: Jul 12, 2021 | Approved

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ANSI/CSA NGV2-2019, Compressed Natural Gas Vehicle Fuel Containers (revision of ANSI/CSA NGV2-2016)
PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Jan 28, 2019 | Approved

ANSI/CSA PRD 1-2021, Pressure relief devices for natural gas vehicle (NGV) fuel containers (addenda to ANSI/PRD 1-2020)
PINS Date: Oct 9, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 16, 2021 | Approved

ANSI/CSA T200-2022, Evaluation of software development and cybersecurity programs (new standard)
PINS Date: Nov 9, 2018 | Public Review Date: Aug 6, 2021 | Final Action Date: Mar 10, 2022 | Approved

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 | Final Action Date: Sep 23, 2019 | Approved

PINS Date: Jan 26, 2018 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 7, 2019 | Approved

PINS Date: May 28, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: May 6, 2022 | Approved

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 | Approved

PINS Date: Dec 29, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Sep 23, 2019 | Approved

Public Review Date: Sep 22, 2017 | Final Action Date: Jan 12, 2018 | Approved
CSA (CSA America Standards Inc.)

- 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/CSA/ISO Z23550-2022, Safety and control devices for gas and/or oil burners and appliances — General requirements (national adoption of modifications of ISO 23550)
  PINS Date: Aug 6, 2021 | Public Review Date: Feb 18, 2022 | Final Action Date: May 31, 2022 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 28, 2022 | 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))
  PINS Date: Dec 27, 2019 | Public Review Date: Aug 14, 2020 | Final Action Date: Feb 9, 2021 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 26, 2020 | Approved

- 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 | Approved

- ANSI/PRD 1-2020, Pressure relief devices for natural gas vehicle (NGV) fuel containers (revision of ANSI/PRD 1-2013 (R2018))
  PINS Date: Nov 9, 2018 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 17, 2020 | Approved

CTA (Consumer Technology Association)

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

  Public Review Date: Jun 12, 2020 | Final Action Date: Sep 1, 2020 | Approved

  PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

  PINS Date: Jun 4, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: May 17, 2022 | Approved

  Public Review Date: Feb 19, 2021 | Final Action Date: Apr 9, 2021 | Approved

- ANSI/CTA 2010-B-2014 (R2020), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)
  PINS Date: Dec 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

  PINS Date: May 20, 2016 | Public Review Date: Dec 28, 2018 | Final Action Date: Mar 22, 2019 | Approved
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**CTA (Consumer Technology Association)**

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  - PINS Date: May 20, 2016 | Public Review Date: Aug 19, 2016 | Final Action Date: Oct 18, 2016 | Approved

  - PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

  - PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 5, 2019 | Approved

- **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

- **ANSI/CTA 2028-C-2022, Color Codes for Outdoor TV Receiving Antennas** *(revision and redesignation of ANSI/CTA 2028-B R-2019)*
  - PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  - PINS Date: Mar 8, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 16, 2019 | Approved

  - PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 26, 2019 | Approved

  - PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  - PINS Date: Dec 27, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

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

  - PINS Date: Feb 18, 2011 | Public Review Date: Nov 24, 2017 | Final Action Date: Feb 14, 2018 | Approved
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<td>ANSI/CTA 2052.1-2016, Glossary of Terms for Sleep Wearable Devices</td>
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PINS Date: May 4, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 6, 2020 | Approved

ANSI/CTA 762-B-2008 (S2020), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))
Public Review Date: Jun 5, 2020 | Final Action Date: Jul 31, 2020 | Approved

PINS Date: Feb 1, 2019 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 9, 2019 | Approved

ANSI/CTA 774-D-2020, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-C-2014)
PINS Date: Nov 1, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 28, 2020 | Approved

ANSI/CTA 774-E-2022, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-D)
PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

ANSI/CTA 803-B-2012 (R2017), Mobile Electronics Wiring Designations for Audio, and Vehicle Security/Convenience (reaffirmation of ANSI/CTA 803-B-2012)
PINS Date: Mar 10, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Jun 19, 2017 | Approved

ANSI/CTA 805-E-2013 (R2019), Data Services on the Component Video Interfaces (reaffirmation and redesignation of ANSI/CTA 805-E-2013)
PINS Date: May 25, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 9, 2019 | Approved

PINS Date: May 18, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 4, 2018 | Approved

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ANSI/CTA 861-H-2021, A DTV Profile for Uncompressed High Speed Digital Interfaces (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Dec 11, 2020 | Final Action Date: Jan 28, 2021 | Approved

ANSI/CTA 909-B-2010 (R2021), Antenna Control Interface (reaffirmation of ANSI/CTA 909-B-2010 (R2016))
Public Review Date: Feb 19, 2021 | Final Action Date: Apr 9, 2021 | Approved
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CTA (Consumer Technology Association)

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- ANSI/CTA CEDIA 897-2010 (R2018), F-Connector Color Coding for Home Television Systems  (reaffirmation of ANSI/CTA CEDIA 897-2010)
  PINS Date: May 25, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/CTA/NSF 2052.2-2017, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications  (new standard)
  PINS Date: Oct 21, 2016 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 15, 2017 | Approved

- ANSI/CTA/NSF 2052.3-2019, Performance Criteria and Testing Protocols for Features in Sleep Tracking Consumer Technology Devices and Applications  (new standard)
  PINS Date: Jul 21, 2017 | Public Review Date: Jan 18, 2019 | Final Action Date: Apr 18, 2019 | Approved

DASMA (Door and Access Systems Manufacturers Association)

1300 Sumner Avenue, Cleveland, OH 44115

  PINS Date: Oct 31, 2008 | Public Review Date: Jun 5, 2009 | Final Action Date: May 19, 2011 | Approved

- ANSI/DASMA 105-2017, Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors  (revision of ANSI/DASMA 105-2014)
  PINS Date: Feb 24, 2017 | Public Review Date: Mar 24, 2017 | Final Action Date: Sep 7, 2017 | Approved

  PINS Date: Mar 14, 2008 | Public Review Date: Oct 31, 2008 | Final Action Date: Jun 15, 2012 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Dec 4, 2017 | Approved

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- ANSI/DASMA 207-2012, Standard for Rolling Sheet Doors  (new standard)
  PINS Date: Jul 4, 2008 | Public Review Date: Apr 30, 2010 | Final Action Date: Jul 3, 2012 | Approved

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

  PINS Date: Apr 12, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: May 13, 2021 | Approved

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- ANSI/DS 2020-03-100-2022, Event Notifications via the Direct Standard™ (new standard)
  PINS Date: Jul 31, 2020 | Public Review Date: Feb 25, 2022 | Final Action Date: May 13, 2022 | Approved

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)
3245 Latta Road, No. 16595, Rochester, NY  14616 | w: www.dmis.org

- ANSI/DMIS 105.3-2015 Part 1, Dimensional Measuring Interface Standard (DMIS Rev. 5.3) (revision of ANSI/DMIS 105.2-2009, Part 1)
  PINS Date: Oct 30, 2015 | Public Review Date: Feb 26, 2016 | Final Action Date: May 3, 2016 | Approved

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DSI (Dental Standards Institute, Inc.)
109 Bushaway Road, Suite 100, Wayzata, MN  55391 | w: https://dentalstandardsinstitute.com/

- 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, 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)
1331 Baur Road, St. Louis, MO  63132

- 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
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<td>ANSI/EIA 198-3-10-2022</td>
<td>Multilayer (Monolithic), Unencapsulated, Ceramic Dielectric, Surface-Mount Low Induction Chip Capacitors and Multi-Terminal Low Induction Capacitors</td>
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<td>ANSI/EIA 271-B-2019</td>
<td>Waveguide flanges - pressurizable contact types for waveguide sizes WR90 to WR2300</td>
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<td>ANSI/EIA 285-A-2019</td>
<td>Waveguide Flanges - Dual Contact Pressurizable and Miniature Type for Waveguide Sizes WR90 to WR975</td>
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<td>ANSI/EIA 364-05C-2020, Contact Insertion, Release and Removal Force Test Procedure for Electrical Connectors</td>
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<td>ANSI/EIA 364-1002A-2015 (R2020), Test Methodology for Assessing the Performance of Compliant Contact Terminations Used as Free Standing Contacts or in Electrical Connectors and Sockets</td>
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<td>ANSI/EIA 364-1004A-2016 (R2021), Environmental Test Methodology for Verifying the Current Rating of Freestanding Power Contacts or Electrical Connectors and Sockets</td>
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- 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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  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: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

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- ANSI/EIA 364-41E-2010 (R2021), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010 (R2016))
  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/EIA 364-43C-2013 (R2019), Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-43C-2013)
  Public Review Date: Apr 26, 2019 | Final Action Date: Jul 29, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

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- 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

- 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/ECB-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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- **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

- ANSI/EIA 61124-2017, Reliability testing - Compliance tests for constant failure rate and constant failure intensity (identical national adoption of IEC 61124:2012 Ed.3.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61164-2017, Reliability growth - Statistical test and estimation methods (identical national adoption of IEC 61164:2004 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61649-2017, Weibull Analysis (identical national adoption of IEC 61649:2008 Ed.2.0)
  PINS Date: Sep 30, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61703-2017, Mathematical expressions for reliability, availability, maintainability and maintenance support terms (identical national adoption of IEC 61703:2016)
  PINS Date: Mar 24, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Sep 21, 2017 | Approved

- ANSI/EIA 61710-2017, Power law mode - Goodness-of-fit tests and estimation methods (identical national adoption of IEC 61710:2013 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

  PINS Date: Jan 31, 2020 | Public Review Date: May 8, 2020 | Final Action Date: Jul 14, 2020 | Approved

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<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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<td>Public Review Date: Sep 2, 2016</td>
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EOS/ESD (ESD Association, Inc.)

- ANSI/ESD SP3.3-2012 (R2017), ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Periodic Verification of Air Ionizers (reaffirmation of ANSI/ESD SP3.3-2012)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/ESD SP3.4-2012 (R2017), ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Periodic Verification of Air Ionizer Performance Using a Small Test Fixture (reaffirmation of ANSI/ESD SP3.4-2012)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 5, 2017 | Approved

- ANSI/ESD SP3.5-2020, ESD Association Standard Practice for the Protection of Electrostatic Discharge Susceptible Items - Test Methods for Air Assist Bar Ionizers, Soft X-Ray (Photon) Ionizers, Room Ionization Alternatives, and Non-Airflow Alpha Ionizers (new standard)
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  PINS Date: Nov 24, 2017 | Public Review Date: Dec 28, 2018 | Final Action Date: Feb 22, 2019 | Approved

  PINS Date: Jan 30, 2015 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 19, 2017 | Approved

  PINS Date: Dec 3, 2010 | Public Review Date: May 18, 2012 | Final Action Date: Jul 29, 2013 | Approved

- ANSI/ESD SP5.3.3-2018, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing – Charged Device Model (CDM) Testing – Component Level – Low-Impedance Contact CDM as an Alternative CDM Characterization Method (new standard)
  PINS Date: Sep 22, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 22, 2019 | Approved

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**EOS/ESD (ESD Association, Inc.)**

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<td>May 5, 2021</td>
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## ESTA (Entertainment Services and Technology Association)

- **ANSI E1.27-2-2009 (R2019), Entertainment Technology - Recommended Practice for Permanently Installed Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products**  
  (reaffirmation of ANSI E1.27-2-2009 (R2014))  
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | **Approved**

- **ANSI E1.28-2011 (R2021), Guidance on planning followspot positions in places of public assembly**  
  (reaffirmation of ANSI E1.28-2011 (R2016))  
  Public Review Date: Feb 19, 2021 | Final Action Date: May 5, 2021 | **Approved**

- **ANSI E1.29-2009 (R2018), Product Safety Standard for Theatrical Fog Generators that Create Aerosols of Water, Aqueous Solutions of Glycol or Glycerin, or Aerosols of Highly Refined Alkane Mineral Oil**  
  (reaffirmation of ANSI E1.29 -2009 (R2014))  
  Public Review Date: Aug 10, 2018 | Final Action Date: Nov 6, 2018 | **Approved**

- **ANSI E1.3-2001 (R2021), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification**  
  (reaffirmation of ANSI E1.3-2001 (R2016))  
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | **Approved**

- **ANSI E1.30-1-2010 (R2021), EPI 23, Device Identification Subdevice**  
  (reaffirmation of ANSI E1.30-1-2010 (R2016))  
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | **Approved**

- **ANSI E1.30-10-2009 (R2019), EPI 32, Identification of Draft Device Description Language Modules**  
  (reaffirmation of ANSI E1.30-10-2009 (R2014))  
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | **Approved**

- **ANSI E1.30-3-2009 (R2019), EPI 33 -- ACN Root Layer Protocol Operation on TCP**  
  (new standard)  
  PINS Date: Dec 9, 2005 | Public Review Date: Feb 23, 2018 | Final Action Date: May 21, 2019 | **Approved**

- **ANSI E1.30-3-2009 (R2019), EPI 25, Time Reference in ACN Systems Using SNTP and NTP**  
  (reaffirmation of ANSI E1.30-3-2009 (R2014))  
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | **Approved**

- **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 (R2022), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires**  
  (reaffirmation of ANSI E1.32-2012 (R2017))  
  Public Review Date: Apr 8, 2022 | Final Action Date: Aug 11, 2022 | **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**

- **ANSI E1.34-2009 (R2019), Entertainment Technology--Measuring and Specifying the Slipperiness of Floors Used in Live Performance Venues**  
  (reaffirmation of ANSI E1.34-2009 (R2014))  
  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**
ESTA (Entertainment Services and Technology Association)

- 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))
  Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI E1.36-2007 (R2022), Model Procedure for Permitting the Use of Tungsten-Halogen Incandescent Lamps and Stage and Studio Luminaires in Vendor Exhibit Booths in Convention and Trade Show Exhibition Halls (reaffirmation of ANSI E1.36-2007 (R2012))
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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

- ANSI E1.40-2016 (R2021), Recommendations for the Planning of Theatrical Dust Effects (reaffirmation of ANSI E1.40-2016)
  Public Review Date: May 7, 2021 | Final Action Date: Sep 9, 2021 | Approved

- ANSI E1.41-2016, Recommendations for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources (revision of ANSI E1.41-2012)
  PINS Date: Apr 1, 2016 | Public Review Date: May 13, 2016 | Final Action Date: Sep 16, 2016 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.43-2016, Entertainment Technology - Performer Flying Systems (new standard)
  PINS Date: Apr 1, 2011 | Public Review Date: Aug 14, 2015 | Final Action Date: Feb 12, 2016 | Approved

  Public Review Date: Mar 8, 2019 | Final Action Date: May 23, 2019 | Approved
ANSI E1.46-2018, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (revision of ANSI E1.46-2016)
PINS Date: Mar 31, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Jul 13, 2018 | Approved

ANSI E1.48-2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (reaffirmation of ANSI E1.48-2014)
Public Review Date: Nov 2, 2018 | Final Action Date: Feb 1, 2019 | Approved

ANSI E1.5-2009 (R2018), Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2009 (R2014))
Public Review Date: Aug 10, 2018 | Final Action Date: Nov 29, 2018 | Approved

PINS Date: Jan 31, 2014 | Public Review Date: Nov 25, 2016 | Final Action Date: Aug 14, 2017 | Approved

PINS Date: Jan 24, 2014 | Public Review Date: Dec 1, 2017 | Final Action Date: Nov 7, 2018 | Approved

ANSI E1.54-2021, ESTA Standard for Color Communication in Entertainment Lighting (revision of ANSI E1.54-2015)
PINS Date: Aug 11, 2017 | Public Review Date: May 29, 2020 | Final Action Date: Jan 7, 2021 | Approved

ANSI E1.55-2016 (R2021), Standard for Theatrical Makeup Mirror Lighting (reaffirmation of ANSI E1.55-2016)
Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

ANSI E1.56-2018, Entertainment TechnologyRigging Support Points (new standard)
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ANSI E1.57-2016 (R2021), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016)
Public Review Date: Feb 19, 2021 | Final Action Date: May 5, 2021 | Approved

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ANSI E1.59-2021, Entertainment Technology - Object Transform Protocol (OTP) (new standard)
PINS Date: Aug 12, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Jan 19, 2021 | Approved

ANSI E1.6-1-2021, Entertainment Technology - Powered Hoist Systems (revision of ANSI E1.6-1-2019)
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ANSI E1.6-4-2013, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry (new standard)
PINS Date: Aug 29, 1997 | Public Review Date: May 24, 2013 | Final Action Date: Oct 3, 2013 | Approved

ANSI E1.60-2018, Guidelines for the Use of Raked Stages in Live Performance Environments (new standard)
PINS Date: Dec 30, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved

ANSI E1.62-2021, Minimum specifications for mass-produced portable platforms, ramps, stairs, and choral risers for live performance events (new standard)
PINS Date: Dec 8, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Jan 19, 2021 | Approved
ESTA (Entertainment Services and Technology Association)

PINS Date: Mar 22, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

- ANSI E1.8-2018, Entertainment Technology Loudspeaker Enclosures Intended for Overhead Suspension Classification, Manufacture and Structural Testing (revision of ANSI E1.8-2012)
PINS Date: Aug 11, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Nov 29, 2018 | Approved

Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI ES1.19-2020, Safety Requirements for Special Event Structures (revision of ANSI ES1.19-2018)
PINS Date: Apr 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jun 2, 2020 | Approved

- ANSI ES1.4-2021, Event Safety - Fire Safety Requirements (new standard)
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- ANSI ES1.7-2021, Event Safety Requirements - Weather Preparedness (new standard)
PINS Date: Nov 18, 2016 | Public Review Date: Aug 7, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI ES1.9-2020, Event Safety Requirements – Crowd Management (new standard)
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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, 1999 | Final Action Date: Oct 14, 2019 | Approved

PINS Date: Nov 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 3, 2020 | Approved

- ANSI/ESTA E1.69-2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources (new standard)
PINS Date: Nov 8, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Apr 25, 2022 | Approved
FCI (Fluid Controls Institute)
1300 Sumner Avenue, Cleveland, OH  44115 | w: www.fluidcontrols institute.org

  PINS Date: Apr 9, 2021 | Public Review Date: Jun 4, 2021 | Final Action Date: Jun 6, 2022 | Approved

  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)
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- ANSI/FCI 19-2-2022, Standard for Installation of Type 2 Secondary Pressure Drainers  (new standard)
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- ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method  (reaffirmation of ANSI/FCI 4-1-2014)
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- 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)
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- 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

- ANSI/FCI 91-1-2020, Standard for Qualification of Control Valve Stem Seals  (new standard)
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**FCI (Fluid Controls Institute)**

- 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)**

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

- 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

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- 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

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- ANSI/FM 4478-2014, Rigid Photovoltaic Modules (new standard)
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- 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

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FM (FM Approvals)

- ANSI/FM 4996-2019, Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets (revision of ANSI/FM 4996-2013)
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  Public Review Date: Dec 20, 2013 | Final Action Date: Feb 6, 2014 | Approved

GBI (Green Building Initiative)

7805 S.W. 40th #80010, Portland, OR 97280 | w: www.thegbi.org

  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)

730 Worcester Street, Springfield, MA 01151 | w: www.ansiz97.com

  Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

GTESS (Georgia Institute of Technology Energy & Sustainability Services)

75 Fifth Street N.W, Suite 3001, Atlanta, GA 30332-0640 | w: www.innovate.gatech.edu

  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

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HFES (Human Factors & Ergonomics Society)

2025 M Street NW, Suite 800, Washington, DC 20036 | w: www.hfes.org

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

- 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 11.6-2022, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2017)
  PINS Date: Jan 22, 2021 | Public Review Date: May 13, 2022 | Final Action Date: Aug 10, 2022 | 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)
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  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)
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- ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard)
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- 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

- 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
HI (Hydraulic Institute)

- 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: May 24, 2019 | 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: May 24, 2019 | Public Review Date: Dec 15, 2017 | 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

  PINS Date: May 24, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Sep 28, 2021 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 16, 2021 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: May 20, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/HI 9.6.3-2017, Rotodynamic Pumps - Guideline for Operating Regions  (revision of ANSI/HI 9.6.3-2012)
  PINS Date: Apr 27, 2018 | Public Review Date: May 20, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/HI 9.6.4-2022, Rotodynamic Pumps for Vibration Measurements and Allowable Values  (revision of ANSI/HI 9.6.4-2016)
  PINS Date: May 24, 2019 | Public Review Date: Mar 4, 2022 | Final Action Date: Jul 11, 2022 | 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

  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

- ANSI/HI 9.8-2018, Rotodynamic Pumps for Pump Intake Design  (revision of ANSI/HI 9.8-2012)
  PINS Date: Dec 20, 2013 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 8, 2018 | Approved
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<td>Public Review Date: Jun 4, 2021</td>
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<td>ANSI/HL7 EHR-S MUFP, R1-2018, HL7 EHR-S Functional Profile: Meaningful Use 2015, Release 1 - US Realm (new standard)</td>
<td>PINS Date: Jun 10, 2016</td>
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<td>ANSI/HL7 EHR, R2.1-2020, HL7 Electronic Health Record System Functional Model, Release 2.1 (revision and redesignation of ANSI/HL7 EHR, R2-2014)</td>
<td>PINS Date: Jan 26, 2018</td>
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<td>ANSI/HL7 EHRRXPROVFP, R1-2012 (R2022), HL7 EHR-System Pharmacist/Pharmacy Provider Functional Profile, Release 1 - US Realm (reaffirmation of ANSI/HL7 EHRRXPROVFP, R1-2012 (R2017))</td>
<td>Public Review Date: Jan 28, 2022</td>
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<td>ANSI/HL7 EHRS IFP, R1-2020, HL7 EHRS-FM Release 2: Immunization Functional Profile, Release 1 (new standard)</td>
<td>PINS Date: Oct 28, 2016</td>
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<td>ANSI/HL7 FHIR R4 PATIENT R1-2019, HL7 FHIR R4 Patient, Release 1 (new standard)</td>
<td>PINS Date: Mar 16, 2018</td>
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<td>ANSI/HL7 FHIR R4 TERMINOLOGY R1-2019, HL7 FHIR R4 Terminology &amp; Conformance, Release 1 (new standard)</td>
<td>PINS Date: Mar 16, 2018</td>
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<td>ANSI/HL7 FHIR® OBS R1-2019, HL7 FHIR R4 Observation, Release 1 (new standard)</td>
<td>PINS Date: Mar 16, 2018</td>
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<td>ANSI/HL7 FHIR® R4 INFRASTRUCTURE R1-2019, HL7 FHIR® R4 Infrastructure, Release 1 (new standard)</td>
<td>PINS Date: Mar 16, 2018</td>
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<td>ANSI/HL7 NMM R1-2020, HL7 Cross-Paradigm Specification: FHIRPath, Release 1 (new standard)</td>
<td>PINS Date: Apr 6, 2018</td>
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HL7 (Health Level Seven)

  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

  Public Review Date: Oct 11, 2019 | Final Action Date: Dec 30, 2019 | Approved

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  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 24, 2017 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved

  PINS Date: Jul 29, 2016 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 27, 2018 | Approved

  PINS Date: Apr 20, 2012 | Public Review Date: Aug 17, 2018 | Final Action Date: Nov 1, 2018 | Approved
HL7 (Health Level Seven)

  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

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  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

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  Public Review Date: Feb 4, 2022 | Final Action Date: Mar 24, 2022 | Approved

  PINS Date: Sep 11, 2009 | Public Review Date: Apr 28, 2017 | Final Action Date: Jun 15, 2017 | Approved

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  Public Review Date: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Aug 27, 2020 | Approved

  Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

- ANSI/HL7 V3 RIM, R7-2016 (R2021), HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016)
  Public Review Date: Oct 1, 2021 | Final Action Date: Dec 10, 2021 | Approved

  Public Review Date: Jun 5, 2020 | Final Action Date: Jul 27, 2020 | Approved

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

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HL7 (Health Level Seven)

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  PINS Date: Nov 29, 2013 | Public Review Date: Dec 28, 2018 | Final Action Date: Feb 22, 2019 | Approved

- ANSI/HL7CDAR2 IG TRAUMAREG, R2-2019, HL7(R) CDA(R) R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm (revision and redesignation of ANSI/HL7 CDAR2 IG TRAUMAREG R1-2016)
  PINS Date: Apr 6, 2018 | Public Review Date: Nov 9, 2018 | Final Action Date: Jan 17, 2019 | Approved

  PINS Date: Mar 29, 2013 | Public Review Date: Jul 6, 2013 | Final Action Date: Aug 6, 2013 | Approved

Home Innovation (Home Innovation Research Labs)

400 Prince George's Boulevard, Upper Marlboro, MD  20774 | w: www.HomeInnovation.com

  PINS Date: Apr 29, 2011 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 29, 2021 | Approved

  PINS Date: Oct 6, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Jan 6, 2020 | Approved

HPS (ASC N13) (Health Physics Society)

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

- ANSI N12.1-2015, Fissile Material Symbol (new standard)
  PINS Date: May 10, 2013 | Public Review Date: Jul 11, 2014 | Final Action Date: Apr 17, 2015 | Approved

  PINS Date: Oct 26, 2018 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

  Public Review Date: Dec 19, 2014 | Final Action Date: Mar 12, 2015 | Approved

  PINS Date: Mar 4, 2011 | Public Review Date: Jan 18, 2013 | Final Action Date: May 6, 2013 | Approved

  PINS Date: Jan 7, 2011 | Public Review Date: Sep 29, 2017 | Final Action Date: Sep 11, 2018 | Approved

- ANSI N13.22-2013, Bioassay Program for Uranium (new standard)
  PINS Date: Apr 12, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

- ANSI N13.25-2022, Internal Dosimetry Programs for Plutonium Exposure- Basic Requirements (new standard)
  PINS Date: Feb 24, 2012 | Public Review Date: Apr 1, 2022 | Final Action Date: Jun 23, 2022 | Approved
HPS (ASC N13) (Health Physics Society)

- ANSI N13.3-2013 (R2019), Dosimetry for Criticality Accidents (reaffirmation of ANSI N13.3-2013)
  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 28, 2019 | Approved

  Public Review Date: Jan 27, 2017 | Final Action Date: Jun 14, 2017 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Jun 8, 2018 | Final Action Date: Jul 27, 2018 | Approved

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  Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved

  Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

  PINS Date: Jan 7, 2011 | Public Review Date: Mar 18, 2011 | Final Action Date: Jul 19, 2011 | Approved

- ANSI N13.41-2011 (R2018), Criteria For Performing Multiple Dosimetry (reaffirmation of ANSI N13.41-2011)
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI N13.44-2014, Standard for a Thyroid Phantom Used in Occupational Monitoring (new standard)
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  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
## Approved American National Standards

### HPS (ASC N13) (Health Physics Society)

- 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)

- 950 Herndon Parkway, Suite 450, Herndon, VA  20170 | 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 Storagae (Category II), Self-Contained Wet Source Storage (Category III), and Panoramic, Wet Source Storage (Category IV) Gamma Irradiators (revision of ANSI N43.10-2001 (R2010))
  
  **PINS 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**

- ANSI N43.3-2008 (R2013), Sealed Radioactive Sources--Classification (reaffirmation of ANSI N43.8-2008)
  
  **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)
  
  **Public Review 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)
  
  **Public Review 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: wwwhsi.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

- ANSI/IAPMO UPC 1-2021, Uniform Plumbing Code  (revision of ANSI/IAPMO UPC 1-2018)
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  PINS Date: Nov 9, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 30, 2020 | Approved

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

18927 Hickory Creek Drive, Suite 220, Mokena, IL  60448 | w: www.asse-plumbing.org

  PINS Date: Dec 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)
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### 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

### ANSI/ASSE 1017-2002 (R2021), Performance Requirements for Trap Seal Primer Valves - Potable Water Supplied (reaffirmation of ANSI/ASSE 1018-2002)
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
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- 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 (R2021), 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

  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

- ANSI/ASSE 1056-2013 (R2021), Performance requirements for Spill Resistant Vacuum Breaker (reaffirmation of ANSI/ASSE 1056-2013)
  PINS Date: Feb 7, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1057-2012, Performance Requirements for Freeze Resistant Sanitary Yard Hydrants with Backflow Protection (new standard)
  PINS Date: Mar 12, 1999 | Public Review Date: Jun 29, 2012 | Final Action Date: Aug 22, 2012 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/ASSE 1061-2020, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2015)
  PINS Date: Jul 26, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Jul 17, 2020 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

- ANSI/ASSE 1063-2016 (R2021), Performance Requirements for Air Valve and Vent Inflow Preventer (reaffirmation of ANSI/ASSE 1063-2016)
  PINS Date: May 29, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 9, 2021 | Approved
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1064-2020, Performance Requirements for Backflow Prevention Assembly Field Test Kits (revision of ANSI/ASSE 1064-2006 (R2011))
  PINS Date: Mar 27, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Dec 15, 2020 | Approved

- ANSI/ASSE 1069-2020, Performance Requirements for Automatic Temperature Control Mixing Valves (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Dec 20, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Jul 17, 2020 | Approved

- ANSI/ASSE 1071-2012 (R2021), Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment (reaffirmation of ANSI/ASSE 1071-2012)
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

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

- ANSI/ASSE 1079-2012 (R2021), Performance Requirements for Dielectric Pipe Unions (reaffirmation of ANSI/ASSE 1079-2012)
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved

  PINS Date: Jun 11, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1084-2018, Performance Requirements for Water Heaters with Temperature Limiting Capacity (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

- ANSI/ASSE 1086-2020, Reverse Osmosis Water Efficiency - Drinking Water (new standard)
  PINS Date: May 20, 2016 | Public Review Date: Dec 20, 2019 | Final Action Date: Apr 30, 2020 | Approved

- ANSI/ASSE 1087-2018, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (new standard)
  PINS Date: Jun 3, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 29, 2018 | Approved

- ANSI/ASSE 1090-2020, Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (new standard)
  PINS Date: Mar 17, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 16, 2020 | Approved

  PINS Date: Mar 9, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Jul 19, 2019 | Approved
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1098-2021, Performance Requirements for Atmospheric Vacuum Breakers for VacuumToilet Assemblies and Galley Waste Disposal Units on Commercial Aircraft (new standard)
PINS Date: Jan 3, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Apr 5, 2021 | Approved

- ANSI/ASSE 1099/WSC PST-2022, Pressurized Water Storage Tanks (revision of ANSI/ASSE 1099/WSC-PST-2021)
PINS Date: Mar 11, 2022 | Public Review Date: Jun 24, 2022 | Final Action Date: Aug 10, 2022 | Approved

PINS Date: Dec 4, 2015 | Public Review Date: Feb 14, 2020 | Final Action Date: Apr 23, 2020 | Approved

Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 9, 2021 | Approved

Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

PINS Date: May 10, 2019 | Public Review Date: Jul 31, 2020 | Final Action Date: Sep 15, 2020 | Approved

PINS Date: Dec 4, 2015 | Public Review Date: May 10, 2019 | Final Action Date: Jun 28, 2019 | Approved

Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | Approved

PINS Date: Mar 4, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

- ANSI/ASSE Series 27000-2022, Professional Qualifications Standard for Hybrid Fire Extinguishing Systems Personnel (new standard)
PINS Date: Feb 12, 2021 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

PINS Date: May 10, 2019 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 24, 2022 | Approved

- ANSI/ASSE Series 6000-2021, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2018)
PINS Date: Oct 18, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | Approved

PINS Date: Jan 5, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 8, 2020 | Approved
## IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

  Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | **Approved**

  Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | **Approved**

- **ANSI/ASSE Standard 1049-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems** (new standard)  
  PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | **Approved**

- **ANSI/ASSE Standard 1050-2021, Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems** (new standard)  
  PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | **Approved**

- **ANSI/ASSE Standard 1051-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems** (new standard)  
  PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | **Approved**

- **ANSI/ASSE-1001-2021, Performance Requirements for Performance Requirements for Atmospheric Type Vacuum Breakers** (revision of ANSI/ASSE 1001-2017)  
  PINS Date: May 15, 2020 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | **Approved**

  PINS Date: Dec 28, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Sep 17, 2020 | **Approved**

  Public Review Date: Feb 26, 2016 | Final Action Date: Mar 27, 2016 | **Approved**

## 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**

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

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

  Public Review Date: Feb 21, 2020 | Final Action Date: Jul 24, 2020 | **Approved**

  PINS Date: Mar 5, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 14, 2022 | **Approved**

  Public Review Date: Jul 23, 2021 | Final Action Date: Oct 28, 2021 | **Approved**

  Public Review Date: Nov 2, 2018 | Final Action Date: Feb 1, 2019 | **Approved**
IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

  PINS Date: Jun 3, 2016 | Public Review Date: Nov 2, 2018 | Final Action Date: Mar 28, 2019 | Approved

- ANSI/CSA B45.5/IAPMO Z124-2016, Plastic plumbing fixtures (revision of ANSI/CSA B45.5/IAPMO Z124/CSCA B45.5-2011)
  PINS Date: Apr 1, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Jan 10, 2017 | Approved

- ANSI/CSA B45.8/IAPMO Z403-2018, Terrazzo, concrete, and natural stone plumbing fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 18, 2018 | Approved

- ANSI/IAPMO 30500/ISO 30500-2019, Nonsewered sanitation systems — Prefabricated integrated treatment units — General performance requirements for design and testing (identical national adoption of ISO 30500)
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 6, 2019 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: May 15, 2020 | Final Action Date: Aug 14, 2020 | Approved

- ANSI/IAPMO H1001.1-2021, Quality of Heat Transfer Fluids Used in Hydronics Systems (new standard)
  PINS Date: Apr 17, 2020 | Public Review Date: Jul 30, 2021 | Final Action Date: Sep 16, 2021 | Approved

  Public Review Date: Nov 2, 2018 | Final Action Date: Apr 9, 2019 | Approved

  Public Review Date: Jun 19, 2020 | Final Action Date: Aug 17, 2020 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: May 3, 2019 | Final Action Date: Jul 15, 2019 | Approved

  PINS Date: Feb 2, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/IAPMO Z1002-2020, Rainwater Harvesting Tanks (revision of ANSI/IAPMO Z1002-2014)
  PINS Date: Jul 24, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Jan 21, 2021 | Approved

  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 Z1117-2022, Press Connections (new standard)
  PINS Date: Dec 27, 2019 | Public Review Date: Nov 19, 2021 | Final Action Date: Apr 21, 2022 | 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

  PINS Date: Jan 29, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Apr 13, 2022 | 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
IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

  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

  PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 1, 2020 | Approved

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  PINS Date: Mar 8, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 3, 2020 | Approved

  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 3, 2020 | Approved
### ICC (ASC A117) (International Code Council)
4051 Flossmoor Road, Country Club Hills, IL 60478 | w: www.iccsafe.org

  - PINS Date: Jul 29, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Mar 28, 2017 | Approved

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### ICE (Institute for Credentialing Excellence)
2001 K St. NW, Suite 300, Washington, DC 20006 | w: www.credentialingexcellence.org

  - PINS Date: Dec 15, 2017 | Public Review Date: Jan 4, 2019 | Final Action Date: Apr 9, 2019 | Approved

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

- **ANSI/IEEE 1012-2016, Standard for System, Software and Hardware Verification and Validation** (new standard)
  - Public Review Date: Dec 2, 2016 | Final Action Date: Dec 4, 2017 | Approved

  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- **ANSI/IEEE 1018-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Ethylene-Propylene Rubber Insulation** (new standard)
  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 29, 2015 | Approved

- **ANSI/IEEE 1019-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Polypropylene Insulation** (new standard)
  - PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 29, 2015 | Approved

  - Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

  - PINS Date: May 5, 2006 | Public Review Date: Jul 8, 2011 | Final Action Date: Jul 25, 2012 | Approved

- **ANSI/IEEE 1048-2016, Guide for Protective Grounding of Power Lines** (new standard)
  - PINS Date: Dec 30, 2005 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 31, 2017 | Approved

- **ANSI/IEEE 1062-2015, Recommended Practice for Software Acquisition** (new standard)
  - PINS Date: Jun 13, 2008 | Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

- **ANSI/IEEE 1067-2012, Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing for Use on Voltages up to 765 kV ac and ±750 kV dc** (revision of ANSI/IEEE 1067-2005)
  - PINS Date: Feb 20, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

  - Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

  - PINS Date: Apr 12, 2013 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 6, 2017 | Approved
Approved American National Standards

IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE 11073-10102-2012, Health informatics - Point-of-care medical device communication - Part 10102: Nomenclature - Annotated ECG (new standard)
  Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/IEEE 11073-10406-2011, Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3-lead ECG) (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

- ANSI/IEEE 11073-10417-2015, Health informatics - Personal health device communication - Part 10417: Device Specialization - Glucose Meter (new standard)
  PINS Date: Jan 5, 2007 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

  PINS Date: Feb 6, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

- ANSI/IEEE 11073-10419-2015, Health informatics - Personal health device communication - Part 10419: Device Specialization - Insulin Pump (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 24, 2016 | Approved

- ANSI/IEEE 11073-10422-2016, Health informatics--Personal health device communication Part 10422: Device Specialization--Urine Analyzer (new standard)
  PINS Date: Mar 4, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 14, 2017 | Approved

- ANSI/IEEE 11073-10427-2016, Standard - Health informatics--Personal health device communication - Part 10427: Device specialization--Power Status Monitor of Personal Health Devices (new standard)
  PINS Date: Jul 31, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

- ANSI/IEEE 11073-30200a-2011, Standard for Health Informatics - Point-of-Care Medical Device Communication - Part 30200 Transport Profile - Cable Connected - Amendment 1 (new standard)
  PINS Date: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

- ANSI/IEEE 11073-30300-2004 (R2010), Standard for Health Informatics - Point-of-Care Medical Device Communication - Part 30300: Transport Profile - Infrared Wireless (reaffirmation and redesignation of ANSI/IEEE 1073.3.3-2004)
  Public Review Date: Apr 23, 2010 | Final Action Date: Aug 20, 2010 | Approved

- ANSI/IEEE 1143-2012, Guide on Shielding Practice for Low Voltage Cables (new standard)
  PINS Date: May 5, 2006 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 27, 2014 | Approved

  PINS Date: Nov 14, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Nov 3, 2014 | Approved

  PINS Date: Nov 8, 2013 | Public Review Date: Nov 3, 2017 | Final Action Date: Nov 26, 2018 | Approved

- ANSI/IEEE 1149.6-2015, Standard for Boundary-Scan Testing of Advanced Digital Networks (new standard)
  PINS Date: Oct 30, 2009 | Public Review Date: May 27, 2016 | Final Action Date: May 4, 2017 | Approved

  PINS Date: Jan 5, 2007 | Public Review Date: Sep 2, 2016 | Final Action Date: May 22, 2017 | Approved
ANSI/IEEE 1175.2-2006 (R2011), Recommended Practice for CASE Tool Interconnection - Characterization of Interconnections  (reaffirmation of ANSI/IEEE 1175.2-2006)
Public Review Date: Mar 9, 2012 | Final Action Date: Dec 3, 2012 | Approved

Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

PINS Date: Jan 22, 2010 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

PINS Date: Dec 10, 2004 | Public Review Date: May 20, 2011 | Final Action Date: May 23, 2012 | Approved

ANSI/IEEE 1242-2016, Guide for Specifying and Selecting Power, Control, and Special-Purpose Cable for Petroleum and Chemical Plants  (new standard)
PINS Date: Jan 21, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

PINS Date: Mar 23, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

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PINS Date: Nov 2, 2012 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 25, 2016 | Approved

PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 8, 2016 | Approved

ANSI/IEEE 1303-2011, Guide for Static Var Compensator Field Tests  (new standard)
PINS Date: Dec 30, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Oct 17, 2012 | Approved

PINS Date: Jun 13, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

PINS Date: Mar 18, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 3, 2012 | Approved

PINS Date: Jul 17, 2009 | Public Review Date: Jul 16, 2010 | Final Action Date: Jan 4, 2011 | Approved

PINS Date: Jul 17, 2009 | Public Review Date: Jul 16, 2010 | Final Action Date: Mar 21, 2011 | Approved

ANSI/IEEE 1450-2011, Standard Test Interface Language (STIL) for Digital Test Vector Data  (new standard)
PINS Date: Dec 10, 2004 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved
IEEE (Institute of Electrical and Electronics Engineers)

  Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved

  Public Review Date: Jul 22, 2011 | Final Action Date: Jul 26, 2012 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 16, 2016 | Approved

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

  PINS Date: Mar 4, 2011 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 6, 2014 | Approved

  PINS Date: Sep 19, 2003 | Public Review Date: May 5, 2006 | Final Action Date: Sep 20, 2006 | Approved

  PINS Date: May 23, 2008 | Public Review Date: Jul 8, 2011 | Final Action Date: Jul 24, 2012 | Approved

- ANSI/IEEE 1484.13.4-2016, Recommended Practice for Learning Technology--IMS Content Packaging Information Model (CP) Version 1.2--Mapping to the Conceptual Model for Resource Aggregation  (new standard)
  PINS Date: Oct 23, 2009 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 14, 2017 | Approved

  PINS Date: Oct 23, 2009 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Jul 17, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 15, 2013 | Approved

  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: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 24, 2013 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 9, 2016 | Approved
IEEE (Institute of Electrical and Electronics Engineers)

PINS Date: Nov 8, 2013 | Public Review Date: Feb 19, 2016 | 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

PINS Date: Mar 23, 2001 | Public Review Date: Mar 27, 2012 | Final Action Date: Jul 25, 2012 | Approved

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

PINS Date: Jan 21, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Jul 28, 2017 | Approved

PINS Date: Nov 14, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 27, 2014 | Approved

- ANSI/IEEE 1609.4-2016, Standard for Wireless Access in Vehicular Environments (WAVE) -- Multi-Channel Operation (revision of ANSI/IEEE 1609.4-2011)
PINS Date: Jul 24, 2015 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 21, 2017 | Approved

PINS Date: Jun 15, 2012 | Public Review Date: May 26, 2017 | Final Action Date: May 15, 2018 | Approved

- ANSI/IEEE 1633-2016, Recommended Practice on Software Reliability (revision of ANSI/IEEE 1633-2008)
PINS Date: Nov 29, 2013 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 28, 2018 | Approved
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<td>Standard for Requirements for Conduit and Cable Seals for Field Connected Wiring to Equipment in Petroleum and Chemical Industry Exposed to Pressures above Atmospheric (1.5 kPa, 0.22 psi) (new standard)</td>
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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 (new standard)</td>
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  PINS Date: Jan 17, 2014 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 2, 2018 | Approved

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

  PINS Date: Mar 28, 2008 | Public Review Date: Jul 8, 2011 | Final Action Date: Aug 1, 2012 | Approved

  PINS Date: Mar 4, 2011 | Public Review Date: Sep 2, 2016 | Final Action Date: Sep 5, 2017 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Nov 3, 2017 | Final Action Date: Nov 26, 2018 | Approved

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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)
  PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3004.1-2013, Recommended Practice for the Application of Instrument Transformers in Industrial and Commercial Power Systems  (new standard)
  PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3004.8-2016, Recommended Practice for Motor Protection in Industrial and Commercial Power Systems  (new standard)
  PINS Date: Jan 21, 2011 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

- ANSI/IEEE 3006.2-2016, Recommended Practice for Evaluating the Reliability of Existing Industrial and Commercial Power Systems  (new standard)
  PINS Date: Jan 17, 2014 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 6, 2017 | Approved

- ANSI/IEEE 3006.7-2013, Recommended Practice for Determining the Reliability of "24 x 7" Continuous Power Systems in Industrial and Commercial Facilities  (new standard)
  PINS Date: Jul 18, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved

- ANSI/IEEE 3006.9-2013, Recommended Practice for Collecting Data for Use in Reliability, Availability, and Maintainability Assessments of Industrial and Commercial Power Systems  (new standard)
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  - PINS Date: Mar 26, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3333.1-2015, Standard for Quality of Experience (QoE) and Visual-Comfort Assessments of Three-Dimensional (3D) Contents Based on Psychophysical Studies (new standard)
  - PINS Date: Feb 5, 2016 | Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

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  - PINS Date: Nov 4, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Dec 18, 2017 | Approved

- ANSI/IEEE 4-2013, Standard for High-Voltage Testing Techniques (new standard)
  - PINS Date: Jan 22, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Aug 20, 2015 | Approved

- ANSI/IEEE 400.2-2013, Guide for Field Testing of Shielded Power Cable Systems Using Very Low Frequency (VLF) (Less than 1 Hz) (new standard)
  - PINS Date: Jul 17, 2009 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved

- ANSI/IEEE 400.4-2015, Guide for Field Testing of Shielded Power Cable Systems Rated 5 kV and Above with Damped Alternating Current (DAC) Voltage (new standard)
  - PINS Date: May 21, 2010 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 7, 2017 | Approved

  - PINS Date: Feb 22, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 22, 2013 | Approved

- ANSI/IEEE 421.3-2016, Standard for High-Potential Test Requirements for Excitation Systems for Synchronous Machines (new standard)
  - PINS Date: Jul 22, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 16, 2017 | Approved

- ANSI/IEEE 421.5-2016, Recommended Practice for Excitation System Models for Power System Stability Studies (new standard)
  - PINS Date: Feb 24, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 2, 2017 | Approved

- ANSI/IEEE 421.6-2017, Recommended Practice for the Specification and Design of Field Discharge Equipment for Synchronous Machines (new standard)
  - PINS Date: Apr 12, 2013 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 16, 2018 | Approved

  - PINS Date: Feb 13, 2009 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 27, 2014 | Approved

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<td>Feb 6, 2009</td>
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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, IEEE/IEC 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

  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)
  PINS Date: Nov 4, 2011 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 21, 2017 | Approved

  PINS Date: Aug 13, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

  PINS Date: Feb 24, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 2, 2017 | Approved

- 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
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- 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

Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

- 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
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<td>ANSI/IEEE C37.010-2016</td>
<td>Application Guide for AC High-Voltage Circuit Breakers &gt; 1000 Vac Rated on a Symmetrical Current Basis (new standard)</td>
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<td>ANSI/IEEE C37.06.1-2021</td>
<td>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)</td>
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IEEE (Institute of Electrical and Electronics Engineers)

  PINS Date: Jul 15, 2005 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

  PINS Date: Mar 2, 2012 | Public Review Date: Aug 26, 2016 | Final Action Date: Nov 30, 2016 | Approved

  PINS Date: Jun 15, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 28, 2017 | Approved

- ANSI/IEEE C37.120-2022, Guide for Protection System Redundancy for Power System Reliability (new standard)
  PINS Date: Oct 1, 2021 | Public Review Date: Dec 31, 2021 | Final Action Date: Apr 29, 2022 | Approved

  PINS Date: Oct 30, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

- ANSI/IEEE C37.122.3-2011, Guide for Sulphur Hexafluoride (SF6) Gas Handling for High Voltage (over 1000 Vac) Equipment (new standard)
  PINS Date: Jan 5, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

  PINS Date: Aug 13, 2010 | Public Review Date: Sep 2, 2016 | Final Action Date: Sep 5, 2017 | Approved

  PINS Date: Apr 12, 2013 | Public Review Date: May 27, 2016 | Final Action Date: May 11, 2017 | Approved

  Public Review Date: Mar 24, 2017 | Final Action Date: Nov 15, 2017 | Approved

  PINS Date: Nov 4, 2011 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

  PINS Date: Jan 25, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

- ANSI/IEEE C37.20.2-2015, Standard for Metal-Clad Switchgear (new standard)
  PINS Date: Nov 14, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 12, 2016 | Approved

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

- ANSI/IEEE C37.20.6-2015, Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures (revision of ANSI/IEEE C37.20.6-2007)
  Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Jan 25, 2013 | Public Review Date: Aug 26, 2016 | Final Action Date: Dec 16, 2016 | Approved
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<td>ANSI/IEEE C37.242-2013</td>
<td>Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control (new standard)</td>
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<td>ANSI/IEEE C37.244-2013</td>
<td>Guide for Phasor Data Concentrator Requirements for Power System Protection, Control, and Monitoring (new standard)</td>
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<td>Standard Specifications For High Voltage (&gt; 1000 V) Current-Limiting Type Distribution Class Fuses and Fuse Disconnecting Switches (new standard)</td>
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PINS Date: Oct 1, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Aug 3, 2022 | Approved

ANSI/IEEE C37.74-2014, Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV (new standard)
PINS Date: Jan 5, 2007 | Public Review Date: May 29, 2015 | Final Action Date: Feb 17, 2016 | Approved

ANSI/IEEE C37.90-2011, Relays and Relay Systems Associated with Electric Power Apparatus (new standard)
Public Review Date: Jun 3, 2011 | Final Action Date: May 23, 2012 | Approved

Public Review Date: Jun 3, 2011 | Final Action Date: Apr 16, 2012 | Approved

PINS Date: Feb 29, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Nov 5, 2014 | Approved

PINS Date: Mar 23, 2007 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 29, 2014 | Approved

PINS Date: Feb 24, 2012 | Public Review Date: May 27, 2016 | Final Action Date: May 31, 2017 | Approved

PINS Date: Aug 12, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Jun 12, 2017 | Approved

ANSI/IEEE C57.12.01-2015, Standard for General Requirements for Dry-Type Distribution and Power Transformers (new standard)
PINS Date: Feb 19, 2010 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 23, 2016 | Approved

Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

PINS Date: Feb 24, 2012 | Public Review Date: May 26, 2017 | Final Action Date: May 22, 2018 | Approved

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)
PINS Date: Jul 22, 2011 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 16, 2016 | Approved

ANSI/IEEE C57.12.36-2017, Standard Requirements for Liquid-Immersed Distribution Substation Transformers (new standard)
PINS Date: Mar 2, 2012 | Public Review Date: Apr 13, 2018 | Final Action Date: Apr 3, 2019 | Approved

ANSI/IEEE C57.12.40-2017, Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed) (new standard)
PINS Date: Nov 2, 2012 | Public Review Date: Nov 3, 2017 | Final Action Date: Oct 29, 2018 | Approved
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<td>ANSI/IEEE C57.138-2016</td>
<td>Recommended Practice for Routine Impulse Tests for Distribution Transformers</td>
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<td>ANSI/IEEE C57.139-2015</td>
<td>Guide for Dissolved Gas Analysis in Transformer Load Tap Changers</td>
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<td>ANSI/IEEE C57.148-2011</td>
<td>Standard for Control Cabinets for Power Transformers</td>
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<td>ANSI/IEEE C57.149-2012</td>
<td>Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers</td>
<td>(new standard) Approved</td>
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<td>ANSI/IEEE C57.150-2012</td>
<td>Guide for the Transportation of Transformers and Reactors Rated 10 000 kVA or Higher</td>
<td>(new standard) Approved</td>
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IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE C57.152-2013, Guide for Diagnostic Field Testing of Fluid-Filled Power Transformers, Regulators, and Reactors  
  (revision and redesignation of ANSI/IEEE 62-1995 (R2005))  
  PINS Date: Jun 13, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 31, 2015 | Approved

  PINS Date: May 23, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 9, 2016 | Approved

- 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

- 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
Approved American National Standards

IEEE (Institute of Electrical and Electronics Engineers)

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

  PINS Date: Dec 23, 2016 | Public Review Date: Feb 18, 2022 | Final Action Date: Apr 25, 2022 | Approved

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)
32515 Nottingham Court, PO Box 367, Lindstrom, MN  55045 | w: www.ieee.org

- ANSI C63.12-2015, Standard Recommended Practice for Electromagnetic Compatibility Limits and Test Levels (revision of ANSI C63.12-1999 (R2007))
  PINS Date: May 24, 2013 | Public Review Date: Apr 24, 2015 | Final Action Date: Jun 18, 2015 | Approved

- ANSI C63.15-2017, Draft Standard Recommended Practice for the Immunity Measurement of Electrical and Electronic Equipment (revision of ANSI C63.15-2010)
  PINS Date: Jun 3, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI C63.16-2016, Guide for Electrostatic Discharge Test Methodologies and Acceptances Criteria for Electronic Equipment (new standard)
  PINS Date: May 11, 2012 | Public Review Date: Dec 11, 2015 | Final Action Date: Feb 1, 2016 | Approved

  Public Review Date: May 3, 2019 | Final Action Date: Nov 30, 2020 | Approved

- ANSI C63.19-2019, Standard Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids (revision of ANSI C63.19-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 19, 2019 | Approved

  PINS Date: Dec 1, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Aug 10, 2020 | Approved

- ANSI C63.24-2021, Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems (new standard)
  PINS Date: Nov 16, 2001 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 19, 2021 | Approved

- ANSI C63.25.1-2018, Standard Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI C63.30-2021, Standard for compliance testing of Wireless Power Transfer Products (new standard)
  PINS Date: May 29, 2015 | Public Review Date: Dec 21, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI C63.7-2015, Standard Guide for Construction of Test Sites for Performing Radiated Emission Measurements (revision of ANSI C63.7-2005)
  PINS Date: May 24, 2013 | Public Review Date: Dec 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 22, 2019 | Approved
IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

  Public Review Date: Aug 3, 2012 | Final Action Date: Nov 30, 2012 | Approved

- 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 N42.17AC-2022, Performance Specifications for Health Physics Instrumentation- Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions (new standard)
  PINS Date: Feb 13, 2015 | Public Review Date: Apr 24, 2020 | Final Action Date: Mar 4, 2022 | 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

- ANSI N42.32a-2022, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (addenda to ANSI N42.32-2016)
  PINS Date: Apr 10, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 4, 2022 | 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

Provided by American National Standards Institute  www.ansi.org  Monday, August 22, 2022
### Approved American National Standards

**IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)**

- 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

  
PINS Date: Sep 8, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI N42.48-2018, Standard Performance Requirements for Spectrometric Personal Radiation Detectors (SPRDs) for Homeland Security (new standard)
  
PINS Date: Oct 20, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Nov 5, 2018 | Approved

- ANSI N42.49A (R2022), Standard for Performance Criteria for Alarming Electronic Personal Emergency Radiation Detectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49a-2011)
  
PINS Date: Jan 1, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: May 6, 2022 | Approved

- ANSI N42.49B-2013, Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard)
  
PINS Date: May 8, 2009 | Public Review Date: Feb 17, 2012 | Final Action Date: Dec 20, 2013 | Approved

- ANSI N42.50-2022, Standard Performance Specifications for Instrumentation Systems Designed for Measuring Radon Progeny in Air (new standard)
  
PINS Date: Jan 19, 2007 | Public Review Date: Apr 16, 2021 | Final Action Date: Mar 4, 2022 | Approved

- ANSI N42.53-2021, Standard Performance Criteria for Backpack-Based Radiation-Detection Systems Used for Homeland Security (revision of ANSI N42.53-2013)
  
PINS Date: Aug 23, 2019 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 21, 2021 | Approved

- ANSI N42.54-2018, Draft Standard for Instrumentation and Systems for Monitoring Airborne Radioactivity (revision and partition of ANSI N42.18-2004, N42.17B, ANSI N42.18, ANSI N42.30, ANSI N323C)
  
PINS Date: Aug 27, 2010 | Public Review Date: Oct 20, 2017 | Final Action Date: Jan 10, 2018 | Approved

- ANSI N42.55-2013, Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification (new standard)
  
PINS Date: Apr 15, 2011 | Public Review Date: Sep 20, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.60-2019, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard)
  
PINS Date: Oct 13, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Aug 8, 2019 | Approved

### IES (Illuminating Engineering Society)

120 Wall Street, Floor 17, New York, NY 10005-4001 | w: www.ies.org

- ANSI-IES LS-1-2021, Lighting Science: Nomenclature and Definitions for Illuminating Engineering (revision of ANSI/IES LS 1-2020)
  
Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  
PINS Date: Dec 19, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 25, 2015 | Approved
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<th>ANSI/IES LM-31-2020, Approved Method: Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (new standard)</th>
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<th>ANSI/IES LM-40-2020, IES Approved Method: Life Testing of Fluorescent Lamps (new standard)</th>
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IES (Illuminating Engineering Society)

  PINS Date: Feb 15, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES LM-62-2020, Approved Method: Guide for Laboratory or Field Measurements of Fluorescent Lamps and Ballasts in Luminaires (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Feb 22, 2019 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 6, 2020 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  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

  PINS Date: Dec 4, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

  Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  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
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<td>Nomenclature and Definitions for Illuminating Engineering</td>
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IES (Illuminating Engineering Society)

- 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

- 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

  Public Review Date: Apr 29, 2022 | Final Action Date: Jul 22, 2022 | 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: Feb 15, 2020 | Public Review Date: Jan 24, 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-43-2022, Recommended Practice: Lighting Exterior Applications (illuminance table only) (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Mar 11, 2022 | Final Action Date: May 31, 2022 | 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-6-2022, Recommended Practice: Lighting Sports and Recreational Areas - Bullpen Lighting (revision of ANSI/IES RP-6-2020)
  Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved
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<td>Lighting Science: An Optional Method for Adjusting the Recommended Illuminance for Visually Demanding Tasks within IES Illuminance Categories P through Y Based on Light Source Spectrum</td>
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### IES (Illuminating Engineering Society)

  (new standard)  
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | **Approved**

  (addenda to ANSI/IES TM-30-2018)  
  PINS Date: Apr 27, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 23, 2019 | **Approved**

  (new standard)  
  PINS Date: Dec 29, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jul 27, 2018 | **Approved**

  (new standard)  
  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 25, 2020 | **Approved**

  (new standard)  
  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 8, 2019 | **Approved**

  (new standard)  
  PINS Date: Nov 24, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Sep 20, 2018 | **Approved**

  (new standard)  
  PINS Date: Mar 2, 2018 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 19, 2019 | **Approved**

  (new standard)  
  PINS Date: Feb 15, 2019 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 17, 2021 | **Approved**

  (new standard)  
  PINS Date: Dec 1, 2017 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | **Approved**

  (revision of ANSI/IES/ALA RP -11-2017)  
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | **Approved**

  (new standard)  
  PINS Date: May 15, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Mar 10, 2022 | **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

  (identical national adoption of ISO 14644-1:20XX and revision of ANSI/IEST/ISO 14644-1:1999)  
  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | **Approved**

  (identical national adoption of ISO 14644-12:2018)  
  PINS Date: Jul 13, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Oct 18, 2018 | **Approved**
## IEST (Institute of Environmental Sciences and Technology)

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## IIAR (International Institute of Ammonia Refrigeration)

1001 N. Fairfax Street, Suite 503, Alexandria, VA 22314-1797 | w: www.iiar.org

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  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

- 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
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<td>ANSI N14.36-2020, Measurement of Radiation Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013)</td>
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<td>PINS Date: Jul 7, 2017</td>
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<td>ANSI N14.5-2014, Leakage Tests on Packages for Shipment (new standard)</td>
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<td>ANSI N15.36-2021, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay (new standard)</td>
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<td>ANSI N15.51-2017, Standard for Methods of Nuclear Material Control; Measurement Control Program - Nuclear Materials Analytical Chemistry Laboratory (revision of ANSI N15.51-2007)</td>
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<td>3000 Lakeside Drive, Suite 105 N, Bannockburn, IL  60015</td>
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<td>ANSI/IPC 9257-2020, Requirements for Electrical Testing of Flexible Printed Electronics (new standard)</td>
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<td>ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs (new standard)</td>
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 61804-3-2016, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 3: EDDL Syntax and semantics (identical national adoption of IEC 61804-3:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 61804-4-2016, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 4: EDDL interpretation (identical national adoption of IEC 61804-4:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 61804-5-2016, Functions Blocks (FB) for process control and Electric Device Description Language (EDDL) - Part 5: EDDL Built-in library (identical national adoption of IEC 61804-5:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62381-2012, Automation Systems in the Process Industry - Factory Acceptance Test (FAT), Site Acceptance Test (SAT), and Site Integration Test (SIT) (national adoption with modifications of ISO 62381)
  PINS Date: Apr 3, 2009 | Public Review Date: Sep 16, 2011 | Final Action Date: Jan 31, 2012 | Approved

- ANSI/ISA 62382-2012, Control Systems in the Process Industry - Electrical and Instrumentation Loop Check (national adoption with modifications of IEC 62382)
  PINS Date: Jan 2, 2009 | Public Review Date: Mar 23, 2012 | Final Action Date: Jun 5, 2012 | Approved

- ANSI/ISA 62443-2-4-2018, Security for Industrial Automation and Control Systems Part 2-4: Security program requirements for IACS service providers (identical national adoption of IEC 62443-2-4)
  PINS Date: Apr 29, 2016 | Public Review Date: Mar 9, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI/ISA 62443-3 (99.03.03)-2013, Security for industrial automation and control systems - Part 3-3: System security requirements and security levels (new standard)
  PINS Date: Jul 9, 2010 | Public Review Date: Aug 12, 2013 | Final Action Date: Aug 12, 2013 | Approved

- ANSI/ISA 62443-3-2-2020, Security for industrial automation and control systems, Part 32: Security risk assessment and system design (new standard)
  PINS Date: Jul 9, 2010 | Public Review Date: Aug 11, 2020 | Final Action Date: Aug 11, 2020 | Approved

- ANSI/ISA 62443-4-1-2018, Security for industrial automation and control systems - Part 4-1: Secure product development lifecycle requirements (new standard)
  PINS Date: Sep 16, 2011 | Public Review Date: Feb 16, 2018 | Final Action Date: Feb 16, 2018 | Approved

- ANSI/ISA 62443-4-2-2018, Security for industrial automation and control systems Part 4-2: Technical security requirements for IACS (new standard)
  PINS Date: Sep 16, 2011 | Public Review Date: Apr 13, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/ISA 62453-1 (103.00.01)-2018, Field device tool (FDT) interface specification - Part 1: Overview and guidance (national adoption of IEC 62453-1 with modifications and revision of ANSI/ISA 62453-1 (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: Sep 21, 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)
  PINS Date: Feb 16, 2018 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 21, 2018 | Approved

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  PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Nov 12, 2018 | Approved

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  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

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- ANSI/ISA 62769-103-1-2016, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS (identical national adoption of IEC 62769-103-1:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-103-4-2016, Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET (identical national adoption of IEC 62769-103-4:2015)
  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 62769-2-2016, Field Device Integration (FDI) - Part 2: FDI Client (identical national adoption of IEC 62769-2)
  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 62769-4-2016, Field Device Integration (FDI) - Part 4: FDI Packages (identical national adoption of IEC 62769-4:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved
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  - PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

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- **ANSI/ISA 62769-7-2016**, Field Device Integration (FDI) - Part 7: FDI Communication Devices (identical national adoption of IEC 62769-7:2015)
  - PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- **ANSI/ISA 67.01.01-2019**, Transducer and Transmitter Installation for Nuclear Safety Applications (new standard)
  - PINS Date: Jul 13, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 11, 2019 | Approved

- **ANSI/ISA 67.02.01-2021**, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (revision of ANSI/ISA 67.02.01-2014)
  - PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 29, 2021 | Approved

  - PINS Date: Jul 8, 2016 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 11, 2018 | Approved

  - PINS Date: Aug 24, 2012 | Public Review Date: Feb 15, 2013 | Final Action Date: Aug 16, 2013 | Approved

- **ANSI/ISA 75.01.01 (IEC 60534-2-1 Mod)-2012**, Industrial-Process Control Valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions (national adoption of IEC 60534-2-1 with modifications and revision of ANSI/ISA 75.01.01 (IEC 60534-2-1 Mod)-2007)
  - PINS Date: Oct 7, 2011 | Public Review Date: Jun 15, 2012 | Final Action Date: Aug 27, 2012 | Approved

- **ANSI/ISA 75.02.01-2008 (IEC 60534-2-3 Mod)**, Control Valve Capacity Test Procedures (new standard)
  - PINS Date: Sep 28, 2007 | Public Review Date: Oct 3, 2008 | Final Action Date: Apr 21, 2009 | Approved

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

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

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

- **ANSI/ISA 75.08.03-2001 (R2013)**, Face-to-Face Dimensions for Socket Weld-End and Screwed-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (reaffirmation of ANSI/ISA 75.08.03-2001 (R2007))
  - Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- **ANSI/ISA 75.08.04-2007 (R2013)**, Face-to-Face Dimensions for Butt weld-End Globe-Style Control Valves (Class 4500) (reaffirmation of ANSI/ISA 75.08.04-2007)
  - Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- **ANSI/ISA 75.08.05-2016**, Face-to-Face Dimensions for Butt weld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (revision of ANSI/ISA 75.08.05-2002 (R2007))
  - PINS Date: Oct 7, 2011 | Public Review Date: Apr 15, 2016 | Final Action Date: Jul 28, 2016 | Approved
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<td>ANSI/ISA 77.41.01-2015</td>
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#### ISA (Organization) (International Society of Automation)

- **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 S77.44.01-2007)  
  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, 2019 | Final Action Date: Jun 3, 2019 | Approved

- **ANSI/ISA 84.91.01-2021**, 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

- **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
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| 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)** | |
| 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)** | |
| 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 |
| **ISEA (International Safety Equipment Association)** | |
| ANSI/ISEA 101-2014 (R2019), Limited-Use and Disposable Coveralls - Size and Labeling Requirements  (reaffirmation of ANSI/ISEA 101-2014)  
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: Jan 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 |
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<th>Standards Organization</th>
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<td>ANSI/ISEA 201-2019, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments  (revision of ANSI/ISEA 201-2012)</td>
<td>PINS Date: Jan 30, 2015</td>
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<td>ANSI/ISEA 203-2018, Secondary Single-Use Flame Resistant Protective Clothing for Use Over Primary Flame Resistant Protective Clothing  (new standard)</td>
<td>PINS Date: Nov 2, 2007</td>
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<td>ANSI/ISEA Z308.1-2021, Minimum Requirements for Workplace First Aid Kits and Supplies  (revision of ANSI/ISEA Z308.1-2015)</td>
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<td>ANSI/ISEA Z89.1-2014 (R2019), Industrial Head Protection  (reaffirmation of ANSI/ISEA Z89.1-2014)</td>
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<td>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)</td>
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<td>ITI (INCITS) (InterNational Committee for Information Technology Standards)</td>
<td>INCITS 100-1989 [S2020], Interface Between DTE &amp; DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25)  (stabilized maintenance of INCITS 100-1989 (R2005))</td>
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<td>INCITS 100a-1991 [S2020], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum  (stabilized maintenance of INCITS 100a-1991 (R2005))</td>
<td>Public Review Date: Feb 12, 2010</td>
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<td>INCITS 157-1987 [S2018]</td>
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- INCITS 17-1981 [S2017], Character Set for Optical Character Recognition (OCR-A) (stabilized maintenance of INCITS 17-1981 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 171-1989 [S2020], One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5.3tpm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements (stabilized maintenance of INCITS 171-1989 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 175:1999 [S2013], 19-mm Type ID-1 Recorded Instrumentation - Digital Cassette Tape Form (stabilized maintenance of INCITS 175-1999 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  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

- INCITS 180-1990 [S2021], Magnetic Tape and Cartridge for Information Interchange, 18-Track, Parallel, 12.65mm (1/2 in.) 1491 cpm (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))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

  Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

- 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))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

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  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

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

  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

- INCITS 204-1992 [S2017], Information Systems - Recorded Magnetic Tape for Information Interchange, 15 and 18 Track, 0.250-inch (6.35-mm) 10 000-bpi (394-bpmm) Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 204-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

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

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  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- INCITS 21-1967 [S2017], Rectangular Holes in Twelve-Row Punched Cards (stabilized maintenance of INCITS 21-1967 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 210-2008 [S2013], Information technology - High-Performance Parallel Interface - Framing Protocol (HIPPI-FP) (stabilized maintenance of INCITS 210-2008)
  Public Review Date: Mar 22, 2013 | Final Action Date: Jun 26, 2013 | Approved

- INCITS 212-1992 [S2012], Information Systems - 130-mm Rewritable Optical Disk Cartridge for Information Interchange (stabilized maintenance of INCITS 212-1992 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved
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- INCITS 22-1983 [S2021], Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI) (stabilized maintenance of INCITS 22-1983 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 220-1992 [S2012], Information Systems - Digital Information Interchange 130-mm Optical Disk Cartridges of the Write-Once, Read Multiple (WORM) Type, Using the Magnetic-Optical Effect (stabilized maintenance of INCITS 220-1992 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- INCITS 222-1997 [S2012], Information technology - High-Performance Parallel Interface - Switch Control (HIPPI-SC) (stabilized maintenance of INCITS 222-1997 (R2007))
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

- INCITS 223-1995 [S2021], Data Compression Algorithm - Adaptive Coding with Embedded Dictionary (DCLZ Algorithm) for Information Interchange (stabilized maintenance of INCITS 223-1995 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

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

  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

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

- INCITS 228-1993 [S2018], Information Systems - X.25 Data Transfer Phase (DTP) Procedures for Operation with Frame Relay (stabilized maintenance of INCITS 228-1993 (R2003))
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- INCITS 249-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10000 - 14 700 ftpi (394 579 ftpm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005))
  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 250-1996 [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange, 0.25 in (630 mm)12 and 24 Track,10000 bpi (394 bpmm) GCR (stabilized maintenance of INCITS 250-1996 (R2006))
  
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 251-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20000 fti (787 ftpm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))
  
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  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 11, 2017 | Approved

  
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 258-1997 [S2012], Fibre Distributed Data Interface (FDDI) - Station Management-2 - Isochronous Services (SMT-2-IS) (stabilized maintenance of INCITS 258-1997 (R2007))
  
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

  
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 261-1996 [S2021], Extended Magnetic Tape Format for Information Interchange 36-track, Parallel Serpentine, 12.65 mm (0.50 in), 1491 cpmm (37 871 cpi) Group-Coded Recording (stabilized maintenance of INCITS 261-1996 (R2006))
  
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 263-1995 [S2020], Fiber Distributed Data interface (FDDI) Twisted Pair - Physical Medium Dependent (TP-PMD) (stabilized maintenance of INCITS 263-1995 (R2005))
  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved
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<td>INCITS 282-1996 [S2021]</td>
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  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

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

- INCITS 300-1997 [S2012], Information technology - High-Performance Parallel Interface - Serial Specification (HIPPI-Serial) (stabilized maintenance of INCITS 300-1997 (R2007))
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

- INCITS 303-1998 [S2013], Fibre Channel Physical and Signaling Interface-3 (FC-PH-3) (stabilized maintenance of INCITS 303-1998 (R2008))
  Public Review Date: Mar 22, 2013 | Final Action Date: Jun 26, 2013 | Approved

- 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

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- 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 bpmm (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 bpcm), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

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- INCITS 315:1998 [S2013], Unrecorded magnetic tape cartridge for information interchange, 12.65 mm (0.498in), 128-track, parallel serpentine, 2550 ftppm (64 770 fpti) (stabilized maintenance of INCITS 315-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

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- INCITS 319-1998 [S2012], Information Technology - Programming Languages - Smalltalk (stabilized maintenance of INCITS 319-1998 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 6, 2012 | Approved

- INCITS 320:1998 [R2013], Information technology - Spatial Data Transfer (reaffirmation of INCITS 320-1998 (R2008))
  Public Review Date: Feb 15, 2013 | Final Action Date: Apr 11, 2013 | Approved

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- INCITS 328-2000 [S2015], Information Technology - 19 mm DD-2 Helical Scan Digital Computer Tape Cassette for Information Interchange (stabilized maintenance of INCITS 328:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 329-2000 [S2015], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm), Serial Serpentine, 208-Track, 85 940 bpi (3383 bpcm), DLT5 Format (stabilized maintenance of INCITS 329:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 330-2000 [S2015], Information technology - Reduced Block Commands (RBC) (stabilized maintenance of INCITS 330:2000 [R2010])
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- INCITS 332-1999 [S2014], Information technology - Fibre Channel Arbitrated Loop (FC-AL-2) (stabilized maintenance of INCITS 332:1999 [R2009])
  Public Review Date: Jun 13, 2014 | Final Action Date: Dec 5, 2014 | Approved

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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 BPCM) 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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- INCITS 34-1972 [S2020], Interchange Rolls of Perforated Tape for Information Interchange (stabilized maintenance of INCITS 34-1972 (R2005))
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- INCITS 373-2003 [S2013], Information technology - Fibre Channel Framing and Signaling Interface (FC-FS)  (stabilized maintenance of INCITS 373:2003 [R2008])
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- INCITS 38-2009 [R2019], Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas  (reaffirmation of INCITS 38-2009 [R2014])
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| **INCITS 382-2004 [R2018]**, Information technology - SCSI Media Changer Command Set, version 2 (SMC-2) (reaffirmation of INCITS 382:2004 [R2013])  
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| **INCITS 383-2008 [R2018]**, Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383:2008 [R2013])  
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| **INCITS 385-2004 [S2019]**, Information technology - Face Recognition Format for Data Interchange (stabilized maintenance of INCITS 385-2004 [R2014])  
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| **INCITS 39-1986 [S2017]**, Recorded Magnetic Tape for Information Interchange (1600 CPI, PE) (stabilized maintenance of INCITS 39-1986 (R2002))  
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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])  
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| **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])  
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| **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])  
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INCITS 405-2005 [S2015], Information technology - SCSI Block Commands - 2 (SBC-2) (stabilized maintenance of INCITS 405:2005 [R2010])
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INCITS 409.4-2006 [R2021], Information technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4-2006 [R2016])
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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])
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INCITS 418-2006 [S2021], Information Technology - Switch Fabric - Generation 4 (FC-SW-4) (stabilized maintenance of INCITS 418-2006 [R2016])
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- INCITS 455-2009 [R2019], Information Technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 455-2009 [R2014])
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- INCITS 457-2010 [R2020], Information technology - Serial Attached SCSI - 2 (SAS-2) (reaffirmation of INCITS 457-2010 [R2015])
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- INCITS 458-2011 [R2021], Information technology - SCSI Object-Based Storage Device Commands-2 (OSD-2) (reaffirmation of INCITS 458-2011 [R2016])
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- INCITS 459-2011 [R2021], Information Technology - Requirements for the Implementation and Interoperability of Role Based Access Control (reaffirmation of INCITS 459-2011 [R2016])
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- INCITS 460-2011 [S2021], Information Technology - Fibre Channel - Physical Interface - 3 (FC-PI-3) (stabilized maintenance of INCITS 460-2011 [R2016])
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- INCITS 461-2010 [S2020], Information technology - Fibre Channel - Switch Fabric - 5 (FC-SW-5) (stabilized maintenance of INCITS 461-2010 [R2015])
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- INCITS 462-2010 [S2020], Information Technology - Fibre Channel - Backbone - 5 (FC-BB-5) (stabilized maintenance of INCITS 462-2010 [R2015])
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- INCITS 463-2010 [S2020], Information Technology - Fibre Channel - Generic Services - 6 (FC-GS-6) (stabilized maintenance of INCITS 463-2010 [R2015])
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- INCITS 464-2010 [S2020], Information Technology - Information Management - Extensible Access Method (XAM) (stabilized maintenance of INCITS 464-2010 [R2015])
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- INCITS 465-2010 [R2020], Information technology - SCSI/ATA Translation - 2 (SAT-2) (reaffirmation of INCITS 465-2010 [R2015])
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- INCITS 49-1975 [S2017], Character Set for Optical Character Recognition (OCR-B) (stabilized maintenance of INCITS 49-1975 (R2002))
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- INCITS 491-2017, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)
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- INCITS 493-2012 [R2017], Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012)
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- INCITS 494-2012 [R2017], Information technology - Role Based Access Control - Policy Enhanced (reaffirmation of INCITS 494-2012)
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- INCITS 495-2012 [R2017], Information Technology Platform Management Volumes 1 and 2 (reaffirmation of INCITS 495-2012)
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- INCITS 497-2012 [R2017], Information Technology – Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012)
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- INCITS 501-2016 [R2021], Information technology - Security Features for SCSI Commands (SFSC) (reaffirmation of INCITS 501-2016)
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- INCITS 502-2019, Information technology - SCSI Primary Commands - 5 (SPC-5) (new standard)
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- INCITS 503-2022, Information technology - SCSI Stream Commands - 5 (SSC-5) (new standard)
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- INCITS 504-1-2013/AM1-2016 [R2021], Information technology - Generic Identity Command Set Part 1: Card Application Command Set - Amendment 1 (reaffirmation of INCITS 504-1-2013/AM1-2016)
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- **INCITS 504-2-2013 [R2018]**, Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504:2:2013)
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- **INCITS 506-2021, Information technology - SBC-4 (SCSI Block Commands - 4) (new standard)**
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- **INCITS 507-2016 [R2021]**, Information technology - PCIe® architecture Queuing Interface - 2 (PQI-2) (reaffirmation of INCITS 507-2016)
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- **INCITS 509-2014 [R2019]**, Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (reaffirmation of INCITS 509-2014)
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- **INCITS 510-2017, Information technology - Fibre Channel – Generic Services – 7 (FC-GS-7) (new standard)**
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- **INCITS 511-2016 [R2021]**, Information Technology - Fibre Channel - Switch Fabric - 6 (FC-SW-6) (reaffirmation of INCITS 511-2016)
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<td>Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)</td>
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<td>INCITS 55-1992</td>
<td>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))</td>
<td>Apr 6, 2007</td>
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<td>INCITS 555-2020</td>
<td>Information technology - SCSI Enclosure Services - 4 (SES-4) (new standard)</td>
<td>Mar 3, 2017</td>
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<td>INCITS 556-2020</td>
<td>Fibre Channel – Non-Volatile Memory Express - 2 (FC-NVMe - 2) (new standard)</td>
<td>Feb 24, 2017</td>
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<td>INCITS 559-2020</td>
<td>Information technology - Fibre Channel - Physical Interfaces - 7P (FC-PI-7P) (new standard)</td>
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<td>INCITS 56-1986</td>
<td>Recorded Magnetic Tape Cartridge for Information Interchange (4-Track, 0.250 Inch, 1600 BPI, Phase Encoded) (stabilized maintenance of INCITS 56-1986 (R2002))</td>
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<td>INCITS 565-2020</td>
<td>Information technology - Next Generation Access Control (new standard)</td>
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  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

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- INCITS 72-1981 [S2018], Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 72-1981 (R2003))
  Public Review 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

  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 86-1980 [S2017], Inks, Optical Character Recognition (OCR) (stabilized maintenance of INCITS 86-1980 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 89-1981 [S2017], Unrecorded Single-Disk Double-Density Cartridge (Front Loading, 2200 BPI, 200 TPI), General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 89-1981 (R2002))
  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 94-1985 [S2017], Programming Aid to Numerically Controlled Manufacturing (PANCM) (stabilized maintenance of INCITS 94-1985 (R2002))
  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
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<td>INCITS X4.6-1979 [S2018], 10-Key Keyboard for Adding and Calculating Machines</td>
<td>(stabilized maintenance of INCITS X4.6-1979 (R2003))</td>
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<td>INCITS/ISO 19108:2002 [R2018], Geographic information - Temporal schema</td>
<td>(reaffirm a national adoption INCITS/ISO 19108:2002 [R2013])</td>
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  - PINS Date: Jun 28, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 22, 2019 | Approved

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- **INCITS/ISO 19117:2012** [R2018], Geographic information -- Portrayal  (reaffirm a national adoption INCITS/ISO 19117:2012 [2013])
  - Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **INCITS/ISO 19118:2011** [R2017], Geographic information - Encoding  (reaffirm a national adoption INCITS/ISO 19118:2011 [2012])
  - Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved

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INCITS/ISO 19132:2007 [R2018], Geographic information - Location-based services - Reference model (reaffirm a national adoption INCITS/ISO 19132:2007 [R2013])
Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | 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 3275:1974 [R2089], Information processing -- Implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on 3,81 mm magnetic cassette for data interchange (reaffirm a national adoption INCITS/ISO 3275:1974 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  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])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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- 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 fptrad, 1.9 tpmm (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 6596-1:1985 [S2020], Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using two-frequency recording at 7 958 fptrad, 1.9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 6596-1:1985 [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 fptrad, 1.9 tpmm (48 tpi), both sides-Part 1: Dimensional, physical & magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 7487-2-1985 [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 fptrad, 1,9 tpmm (48 tpi), on Both Sides - Part 2: Track Format A (stabilized maintenance of INCITS/ISO 7487-2-1985 (R2007))
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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 ftprad, 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 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])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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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))
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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])
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- 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])
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<td>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))</td>
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<td>Information Technology - Data Interchange on 130 mm Optical Disk Cartridges - Capacity: 1,3 Gigabytes Per Cartridge (stabilized maintenance of INCITS/ISO/IEC 13549-1993 (R2004))</td>
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<td>Information technology - Interchange on 300 mm optical disk cartridges of the write once, read multiple (WORM) type using the SSF method (stabilized maintenance of INCITS/ISO/IEC 13614-1995 (R2004))</td>
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- INCITS/ISO/IEC 14473:1999 [R2018], Information technology -- Office equipment -- Minimum information to be specified for image scanners (reaffirm a national adoption INCITS/ISO/IEC 14473:1999 [R2013]) Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | 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 for Information Interchange (stabilized maintenance of INCITS/ISO/IEC 15286-1999 (R2006))
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- 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

- 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])
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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

  - PINS Date: Nov 18, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Nov 1, 2017 | Approved

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  (identical national adoption of ISO/IEC 19075-8:2021)  
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  (identical national adoption of ISO/IEC 19086-1:2016)  
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  (identical national adoption of ISO/IEC 19086-3:2017)  
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  (identical national adoption of ISO/IEC 19086-4:2019)  
  PINS Date: May 29, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 28, 2020 | Approved

- **INCITS/ISO/IEC 19286:2018 [2020]**, Identification Cards - Integrated Circuit Cards - Privacy-Enhancing Protocols And Services  
  (identical national adoption of ISO/IEC 19286:2018)  
  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved

- **INCITS/ISO/IEC 19395:2015 [2017]**, Information technology - Sustainability for and by information technology - Smart data centre resource monitoring and control  
  (identical national adoption of ISO/IEC 19395:2015)  
  PINS Date: Mar 18, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Apr 20, 2017 | Approved

  (identical national adoption of ISO/IEC 19464:2014)  
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  (reaffirm a national adoption INCITS/ISO/IEC 19509:2014 [2014])  
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  (identical national adoption of ISO/IEC 19510:2013)  
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  (identical national adoption of ISO/IEC 19566-4:2020)  
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| **INCITS/ISO/IEC 20563:2001 [S2012]** | Information technology - 80 mm (1.23 Gbytes per side) and 120 mm (3.95 Gbytes per side) DVD-recordable disk (DVD-R) | (stabilized maintenance of INCITS/ISO/IEC 20563-2001 (R2007)) | Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | 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])
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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 23912:2005 [S2020], Information Technology - 80 Mm (1,46 Gbytes Per Side) And 120 Mm (4,70 Gbytes Per Side) DVD Recordable Disk (DVD-R) (stabilized maintenance of INCITS/ISO/IEC 23912:2005 [R2015])
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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])
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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])
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- 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 30142:2020** [2021], Information technology - Underwater acoustic sensor network (UWASN) - Network management system overview and requirements (identical national adoption of ISO/IEC 30142:2020)
  - PINS Date: Apr 30, 2021 | Public Review Date: Jun 11, 2021 | Final Action Date: Sep 7, 2021 | Approved

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- **INCITS/ISO/IEC 30165:2021** [2022], Internet of Things (IoT) - Real-time IoT framework (identical national adoption of ISO/IEC 30165:2021)
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- 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 fpm (1,9 tpm (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 fpm (1,9 tpm (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

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 22, 2019 | Approved

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

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  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Sep 24, 2020 | Approved

  PINS Date: Feb 28, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 22, 2020 | Approved

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  PINS Date: Jun 28, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 21, 2019 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

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  PINS Date: Feb 12, 2021 | Public Review Date: Mar 26, 2021 | Final Action Date: Aug 9, 2021 | Approved

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<td>Information technology -- 8-bit single-byte coded graphic character sets -- Part 1: Latin alphabet No. 1</td>
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 20, 2020 | Approved

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  PINS Date: Apr 1, 2011 | Public Review Date: Feb 24, 2012 | Final Action Date: Aug 27, 2012 | Approved

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PINS Date: Oct 29, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Mar 29, 2022 | Approved

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  Public Review Date: Feb 8, 2008 | Final Action Date: Jun 19, 2008 | Approved

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

  PINS Date: Feb 15, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Mar 26, 2020 | Approved

- ANSI/ITSDF B56.10-2012 (R2019), Manually Propelled High Lift Industrial Trucks (reaffirmation of ANSI/ITSDF B56.10-2012)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Feb 7, 2019 | Approved

- ANSI/ITSDF B56.11.1-2012 (R2018), Double Race or Bi-Level Swivel and Rigid Industrial Casters (reaffirmation of ANSI/ITSDF B56.11.1-2012)
  PINS Date: Sep 22, 2017 | Public Review Date: Dec 15, 2017 | Final Action Date: Feb 16, 2018 | Approved

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

- ANSI/ITSDF B56.11.5-2014 (R2018), Measurement of Sound Emitted by Low Lift, High Lift, and Rough Terrain Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.5-2014)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 19, 2018 | Approved

- ANSI/ITSDF B56.11.6-2019, Evaluation of Visibility from Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.6-2005 (R2013))
  PINS Date: Mar 23, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 6, 2019 | Approved

- ANSI/ITSDF B56.11.7-2020, Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting – Liquid Withdrawal – for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.7-2011)
  PINS Date: Nov 11, 2016 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI/ITSDF B56.11.8-2019, Safety Standard for Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.8-2015)
  PINS Date: Mar 23, 2018 | Public Review Date: May 24, 2019 | Final Action Date: Aug 6, 2019 | Approved

  PINS Date: Jun 26, 2020 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 7, 2020 | Approved

  PINS Date: Mar 23, 2018 | Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved

  PINS Date: Feb 29, 2008 | Public Review Date: May 4, 2012 | Final Action Date: Jun 20, 2012 | Approved
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<td>ANSI/ITSDF B56.5-2019, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles</td>
<td>(revision of ANSI/ITSDF B56.5-2012)</td>
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<td>ANSI/ITSDF B56.6-2021, Safety Standard for Rough Terrain Forklift Trucks</td>
<td>(revision of ANSI/ITSDF B56.6-2016)</td>
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<td>ANSI/ITSDF B56.8-2019, Safety Standard for Personnel and Burden Carriers</td>
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<td>ANSI/LEO 5000-2011, LEO 5000 - Standard for Emissions Inventories, Offsets and Reduction Credits</td>
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<td>ANSI/LEO 8000-2011, Standard for Sustainable Electronic Gaming Machines</td>
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<td>ANSI Z136.4-2021, Standard Recommended Practice for Laser Safety Measurements for Classification and Hazard Evaluation</td>
<td>(new standard)</td>
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LIA (ASC Z136) (Laser Institute of America)

- ANSI Z136.5-2020, Standard for Safe Use of Lasers in Educational Institutions  (new standard)
  PINS Date: Nov 22, 2013 | Public Review Date: Oct 4, 2019 | Final Action Date: May 19, 2020 | Approved

  PINS Date: Apr 27, 2007 | Public Review Date: Jan 2, 2015 | Final Action Date: Oct 5, 2015 | Approved

  PINS Date: Feb 3, 2012 | Public Review Date: Oct 4, 2019 | Final Action Date: Jul 28, 2020 | Approved

- ANSI Z136.8-2021, Standard for Safe Use of Lasers in Research, Development or Testing  (revision of ANSI Z136.8-2012)
  PINS Date: Nov 22, 2013 | Public Review Date: Dec 20, 2019 | Final Action Date: Nov 16, 2020 | Approved

- ANSI Z136.9-2013, Standard for Safe Use of Lasers in Manufacturing Environments  (new standard)
  PINS Date: Nov 10, 2006 | Public Review Date: May 17, 2013 | Final Action Date: Aug 6, 2013 | Approved

MHI (Material Handling Industry)

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

  PINS Date: Oct 2, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 7, 2021 | Approved

- ANSI MH24.2-2019, Power-Operated Vertical Carousels and Vertical Lift Modules  (revision of ANSI MH24.2-2016)
  PINS Date: Jun 16, 2017 | Public Review Date: Jan 25, 2019 | Final Action Date: Sep 16, 2019 | Approved

  PINS Date: Nov 28, 2014 | Public Review Date: Aug 26, 2016 | Final Action Date: Feb 17, 2017 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 30, 2016 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Apr 3, 2017 | Approved

  PINS Date: Oct 2, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

  PINS Date: Oct 2, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 1, 2022 | Approved

- 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)
  PINS Date: Jul 27, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Apr 3, 2020 | Approved

  PINS Date: Oct 5, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Aug 11, 2015 | Approved
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MHI (ASC MHC) (Material Handling Industry)

8720 Red Oak Boulevard, Suite 201, Charlotte, NC 28217 | w: [www.mhi.org](http://www.mhi.org)

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<td>Revision of ANSI MH1-2019</td>
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<td>Feb 5, 2021</td>
<td>May 7, 2021</td>
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<td>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</td>
<td>New Standard</td>
<td>Feb 1, 2008</td>
<td>May 1, 2015</td>
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<td>Feb 11, 2021</td>
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### MHI (ASC MHC) (Material Handling Industry)

- 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)

- ANSI/MSS SP-114-2018, Corrosion Resistant Pipe Fittings, Threaded and Socket-Welding, Class 150 and 1000  
  (revision of ANSI/MSS SP-114-2007)  
  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

- ANSI/MSS SP-134-2012, Valves for Cryogenic Service, including Requirements for Body/Bonnet Extensions (new standard)  
  PINS Date: Sep 20, 2013 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 12, 2015 | Approved

- ANSI/MSS SP-135-2022, High Pressure Knife Gate Valves (revision of ANSI/MSS SP-135-2016)  
  PINS Date: Nov 13, 2020 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 1, 2022 | Approved

- ANSI/MSS SP-138-2014, Quality Standard Practice for Oxygen Cleaning of Valves and Fittings (new standard)  
  PINS Date: Apr 1, 2011 | Public Review Date: Jul 26, 2013 | Final Action Date: Jul 29, 2014 | Approved

- ANSI/MSS SP-144-2020, Pressure-Seal Bonnet Valves (revision of ANSI/MSS SP-144-2013)  
  PINS Date: Jan 3, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

  PINS Date: Jun 9, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/MSS SP-44-2019, Steel Pipeline Flanges (revision of ANSI/MSS SP-44-2016)  
  PINS Date: Aug 30, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 10, 2020 | Approved

  PINS Date: Oct 18, 2013 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

- ANSI/MSS SP-96-2017, Terminology for Valves, Fittings, and Their Related Components (revision of ANSI/MSS SP-96-2011)  
  PINS Date: May 6, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

### MTConnect (MTConnect Institute)

- ANSI/MTC1.4-2018, MTConnect Standard V1.4 (new standard)  
  PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 7, 2018 | Approved

### MTS (Institute for Market Transformation to Sustainability)

  PINS Date: Jan 14, 2011 | Public Review Date: Feb 18, 2011 | Final Action Date: Mar 6, 2012 | Approved
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NAAMM (National Association of Architectural Metal Manufacturers)

- 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

- 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)
1055 Crupper Avenue, Columbus, OH 43229-1183 | w: www.nationalboard.org
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: Dec 3, 2021 | Public Review Date: Feb 18, 2022 | Final Action Date: Jun 8, 2022 | 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

Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

Public Review Date: Mar 9, 2018 | Final Action Date: Aug 13, 2018 | Approved

Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved
**NCPDP (National Council for Prescription Drug Programs)**

  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

  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)  
  Public Review Date: Feb 27, 2015 | Final Action Date: Dec 9, 2015 | Approved

  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

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  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved
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- ANSI/NCPDP Post Adj v45-2016, 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

  Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

  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

  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

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved

  Public Review Date: Sep 2, 2016 | Final Action Date: Mar 2, 2017 | Approved
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 10, 2017 | Final Action Date: Jul 28, 2017 | Approved

  Public Review Date: Oct 5, 2018 | Final Action Date: Jan 29, 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

- ANSI/NCPDP Product Identifier v1.0-2014, NCPDP Product Identifier Standard v1.0 (new standard)
  PINS Date: Mar 15, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

  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

  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

  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)
  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | 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

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved
## NCPDP (National Council for Prescription Drug Programs)

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NCPDP (National Council for Prescription Drug Programs)

  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

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

- ANSI/NCPDP SC Standard v2021011-2020, NCPDP SCRIPT Standard v2021011 (revision and redesignation of ANSI/NCPDP SC v2020011)
  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

- ANSI/NCPDP SCRIPT 2015041-2015, NCPDP SCRIPT Standard 2015041 (revision and redesignation of BSR/NCPDP SC WG110060201xxx#)
  Public Review Date: Sep 5, 2014 | Final Action Date: May 19, 2015 | Approved

  Public Review Date: Oct 18, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/NCPDP Specialized Standard 20130401-2013, NCPDP Specialized Standard 20130401 (revision of BSR/NCPDP Specialized Standard MC000005201xxx#, NCPDP Specialized, Standard 201xxx# (revision and redesignation of ANSI/NCPDP Specialized, Standard WG110051201xxx#))
  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP Specialized Standard 2013071-2013, Nc0dp Specialized Standard 2013071 (revision and redesignation of BSR/NCPDP Specialized Standard MC000005201xxx#)
  Public Review Date: Mar 8, 2013 | Final Action Date: Sep 17, 2013 | Approved

- ANSI/NCPDP Specialized Standard 2013101-2013, NCPDP Specialized Standard 2013101 (revision and redesignation of NCPDP Specialized Standard WG110053201xxx#)
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Oct 18, 2013 | Final Action Date: May 30, 2014 | Approved

- ANSI/NCPDP Specialized Standard 2014072-2014, NCPDP Specialized Standard 2014072 (revision and redesignation of NCPDP Specialized Standard WG110057201xxx#)
  Public Review Date: Dec 6, 2013 | Final Action Date: Jul 17, 2014 | Approved

- ANSI/NCPDP Specialized Standard 2014101-2014, NCPDP Specialized Standard 2014101 (revision and redesignation of NCPDP Specialized Standard WG110060201xxx#)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP Specialized Standard 2015041-2015, NCPDP Specialized Standard 2015041 (revision and redesignation of BSR/NCPDP Specialized Standard WG11006201xxx#)
  Public Review Date: Sep 5, 2014 | Final Action Date: May 11, 2015 | Approved

- ANSI/NCPDP Specialized Standard 2015071-2015, NCPDP Specialized Standard 2015071 (revision and redesignation of NCPDP Specialized Standard WG110064201xxx)
  Public Review Date: Feb 27, 2015 | Final Action Date: Aug 4, 2015 | Approved

  Public Review Date: Sep 11, 2015 | Final Action Date: Apr 25, 2016 | Approved

  Public Review Date: Sep 8, 2017 | Final Action Date: May 9, 2018 | Approved

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  Public Review Date: Sep 8, 2017 | Final Action Date: May 9, 2018 | 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

  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

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved
# Approved American National Standards

## NCPDP (National Council for Prescription Drug Programs)

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## NCPDP (National Council for Prescription Drug Programs)

- **ANSI/NCPDP TC vE.4-2014, NCPDP Telecommunication Standard vE.4-2014** (revision and redesignation of ANSI/NCPDP TC vE.3-2013)
  - Public Review Date: Oct 18, 2013 | Final Action Date: Jan 21, 2014 | Approved

- **ANSI/NCPDP TC vE5-2014, NCPDP Telecommunication Standard vE5-2014** (revision and redesignation of ANSI/NCPDP TC vE.4-2014)
  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- **ANSI/NCPDP TC vE6-2014, NCPDP Telecommunication Standard vE6** (revision and redesignation of ANSI/NCPDP TC vE5-2014)
  - Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- **ANSI/NCPDP TC vE7-2015, NCPDP Telecommunication Standard vE7** (revision and redesignation of ANSI/NCPDP TC vE6-2014)
  - Public Review Date: Feb 27, 2015 | Final Action Date: Jul 30, 2015 | Approved

- **ANSI/NCPDP TC vE8-2016, NCPDP Telecommunication Standard vE8** (revision and redesignation of ANSI/NCPDP TC vE7-2015)
  - Public Review Date: Sep 11, 2015 | Final Action Date: Mar 4, 2016 | Approved

- **ANSI/NCPDP TC vE9-2016, NCPDP Telecommunication Standard vE9** (revision and redesignation of ANSI/NCPDP TC vE8-2016)
  - Public Review Date: Mar 4, 2016 | Final Action Date: Oct 11, 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 31, 2017 | 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

  - 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

- **ANSI/NCPDP TC vF7-2021, NCPDP Telecommunication Standard vF7** (revision and redesignation of ANSI/NCPDP TC vF6-2019)
  - Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/NCPDP TC vF8-2021, NCPDP Telecommunication Standard vF8** (revision and redesignation of ANSI/NCPDP TC vF7-2021)
  - Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved
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**NCPDP (National Council for Prescription Drug Programs)**

  - Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

  - 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

  - Public Review Date: Mar 9, 2018 | Final Action Date: Jul 20, 2018 | 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

  - 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: Dec 14, 2012 | Final Action Date: Apr 18, 2013 | Approved

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**NEBB (National Environmental Balancing Bureau)**

8575 Grovemont Circle, Gaithersburg, MD 20877 | w: www.nebb.org

  - PINS Date: Jun 2, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Jan 8, 2018 | Approved

  - PINS Date: Jul 6, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 1, 2019 | Approved

  - PINS Date: Jun 29, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 1, 2019 | Approved
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NECA (National Electrical Contractors Association)

  PINS Date: Jul 4, 2014 | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/NECA 408-2015, Standard for Installing and Maintaining Busways  (revision of ANSI/NECA 408-2009)
  PINS Date: Jul 4, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: Apr 20, 2015 | Approved

- ANSI/NECA 409-2015, Standard for Installing and Maintaining Dry-Type Transformers  (revision of ANSI/NECA 409-2009)
  PINS Date: Aug 1, 2014 | Public Review Date: Jun 26, 2015 | Final Action Date: Aug 3, 2015 | Approved

  PINS Date: Jul 9, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Aug 26, 2013 | Approved

  PINS Date: Jul 15, 2011 | Public Review Date: Sep 19, 2014 | Final Action Date: Dec 9, 2014 | Approved

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  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

  PINS Date: Sep 2, 2011 | Public Review Date: Jan 4, 2013 | Final Action Date: Feb 20, 2013 | Approved

  PINS Date: Feb 13, 2015 | Public Review Date: Jul 10, 2015 | Final Action Date: Sep 9, 2015 | Approved

  PINS Date: May 11, 2007 | Public Review Date: Jul 23, 2010 | Final Action Date: Dec 16, 2010 | Approved
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# Approved American National Standards

The data in this document is reported as of Monday, August 22, 2022

### NEMA (National Electrical Manufacturers Association)

- **ANSI/NEMA OS 1-2014 (R2020), Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports** (reaffirmation of ANSI/NEMA OS 1-2014)
  - Public Review Date: May 3, 2019 | Final Action Date: Sep 17, 2020 | Approved

- **ANSI/NEMA OS 2-2014 (R2020), Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports** (reaffirmation of ANSI/NEMA OS 2-2014)
  - Public Review Date: May 3, 2019 | Final Action Date: Sep 17, 2020 | Approved

- **ANSI/NEMA PB 1.1-2013, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or less** (revision of ANSI/NEMA PB 1.1-2007)
  - Public Review Date: Mar 29, 2013 | Final Action Date: Sep 13, 2013 | Approved

- **ANSI/NEMA PB 2.1-2013, General Instructions for Proper Handling, Installation, Operation, and Maintenance of Deadfront Distribution Switchboards Rated 600 Volts or less** (revision of ANSI/NEMA PB 2.1-2007)
  - PINS Date: Jul 13, 2012 | Public Review Date: Mar 29, 2013 | Final Action Date: Sep 13, 2013 | Approved

  - PINS Date: May 8, 2020 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 15, 2020 | Approved

- **ANSI/NEMA SG-IC 1-2013, Smart Grid Interoperable & Conformant (SG-IC) Testing and Certification Scheme Operator Guidelines** (new standard)
  - PINS Date: Feb 8, 2013 | Public Review Date: Mar 8, 2013 | Final Action Date: Jul 10, 2013 | Approved

  - 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, 2021 | Final Action Date: May 18, 2021 | Approved

- **ANSI/NEMA SM 31000-2-2021, Electrical SubmeterActive Energy Accuracy** (new standard)
  - PINS Date: Oct 16, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 6, 2021 | 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 WD6-2022, Wiring Devices - Dimensional Specifications** (revision of ANSI/NEMA WD6-2016)
  - PINS Date: Apr 23, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Feb 22, 2022 | 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

  - PINS Date: Oct 4, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Mar 1, 2022 | 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
NEMA (ASC C119) (National Electrical Manufacturers Association)

- 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)

- ANSI C12.1-2022, Code for Electricity Metering (revision of ANSI C12.1-2016)
  PINS Date: Apr 24, 2020 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 9, 2022 | 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

- ANSI C12.18-2006 (R2015), Protocol Specification for ANSI Type 2 Optical Port (reaffirmation of ANSI C12.18-2006)
  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Aug 9, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 18, 2021 | Approved

- ANSI C12.20-2017, Standard for Electricity Meters - 0.1, 0.2 and 0.5 Accuracy Classes (revision of ANSI C12.20-2010)
  PINS Date: Nov 27, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 24, 2017 | Approved

  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Jan 17, 2020 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 18, 2020 | Approved

- ANSI C12.32-2021, Electricity Meters for the Measurement of DC Energy (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 4, 2021 | Approved

- ANSI C12.6-1987 (R2016), Phase-Shifting Devices Used In Metering, Marking and Arrangement of Terminals (reaffirmation of ANSI C12.6-1987 (R2011))
  PINS Date: Jun 10, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Jan 12, 2017 | Approved

- ANSI C12.7-2005 (R2014), Requirements for Watthour Meter Sockets (reaffirmation of ANSI C12.7-2005)
  PINS Date: Aug 3, 2012 | Public Review Date: Feb 1, 2013 | Final Action Date: Aug 14, 2014 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jun 8, 2021 | Approved
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<td>Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-2: COSEM Interface Classes</td>
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<td>ANSI C136.18-2018, Standard for Roadway and Area Lighting Equipment High-Mast Side-Mounted Luminaires for Horizontal- or Vertical-Burning High-Intensity Discharge Lamps (revision of ANSI C136.18-2006 (R2010))</td>
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## NEMA (ASC C136) (National Electrical Manufacturers Association)

- **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

- **ANSI C136.31-2018, Standard for Roadway and Area Lighting Equipment - Luminaire Vibration** (revision of ANSI C136.31-2010)
  - PINS Date: Feb 19, 2016 | Public Review Date: Jun 16, 2017 | Final Action Date: Jun 5, 2018 | Approved

- **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

  - PINS Date: May 27, 2016 | Public Review Date: Feb 22, 2019 | Final Action Date: May 3, 2019 | Approved

  - Public Review Date: Jan 17, 2020 | Final Action Date: Mar 3, 2020 | Approved

- **ANSI C136.4-2019, Series Sockets and Series Socket Receptacles** (revision of ANSI C136.4-2003 (R2013))
  - PINS Date: May 10, 2019 | Public Review Date: Jun 28, 2019 | Final Action Date: Aug 13, 2019 | Approved

  - PINS Date: Dec 27, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Jul 17, 2014 | Approved

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

- **ANSI C136.42-2018, Standard for Roadway and Area Lighting Equipment - SSL Cobra Head Retrofit Mechanical and Electrical Interchangeability** (new standard)
  - PINS Date: Dec 30, 2011 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved

- **ANSI C136.45-2011 (S2021), Aluminum Lighting Poles** (stabilized maintenance of ANSI C136.45-2011 (R2016))
  - Public Review Date: Jan 15, 2021 | Final Action Date: May 21, 2021 | Approved

- **ANSI C136.46-2020, Concrete Lighting Poles** (revision of ANSI C136.46-2013)
  - PINS Date: Aug 23, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 9, 2020 | Approved

- **ANSI C136.47-2010 (S2021), Steel Roadway and Area Lighting Poles** (stabilized maintenance of ANSI C136.47-2010 (R2015))
  - PINS Date: Jul 31, 2020 | Public Review Date: Oct 9, 2020 | Final Action Date: May 21, 2021 | Approved

- **ANSI C136.48-2018, For Roadway and Area Lighting Equipment - Remote Monitoring and Controls** (new standard)
  - PINS Date: Nov 1, 2013 | Public Review Date: Apr 13, 2018 | Final Action Date: Sep 25, 2018 | Approved

- **ANSI C136.49-2021, For Roadway and Area Lighting Equipment - Plasma Lighting** (revision of ANSI C136.49-2016)
  - PINS Date: Jul 16, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 26, 2021 | Approved
**NEMA (ASC C136) (National Electrical Manufacturers Association)**

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

- ANSI C136.50-2021, For Roadway and Area Lighting Equipment - Energy Measurement for a Network Lighting Control (NLC) Device with Locking Type Receptacle (new standard)
  PINS Date: Nov 1, 2013 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

- ANSI C136.52-2021, LED Drivers with integral Revenue Grade Energy Measurement Means (new standard)
  Public Review Date: Mar 19, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI C136.53-2017, For Roadway and Area Lighting Equipment Enclosed Pendant Mounted Luminaires (new standard)
  PINS Date: Aug 26, 2016 | Public Review Date: Sep 29, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C136.58-2019, Luminaire Four-Pin Extension Module and Receptacle - Physical and Electrical Interchangeability and Testing (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 9, 2019 | Approved

- ANSI C136.6-2004 (S2022), for Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability (stabilized maintenance of ANSI C136.6-2004 (R2018))
  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

- ANSI C136.9-2004 (S2022), For Roadway and Area Lighting Equipment Socket Support Assemblies for Metal Heads Mechanical Interchangeability (stabilized maintenance of ANSI C136.9-2004 (R2018))
  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

**NEMA (ASC C137) (National Electrical Manufacturers Association)**

- ANSI C137.2-2019, Standard for Lighting Systems - Cybersecurity Requirements for Lighting Systems for Parking Facilities (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Mar 23, 2018 | Final Action Date: Feb 15, 2019 | Approved

  PINS Date: Oct 28, 2016 | Public Review Date: Feb 10, 2017 | Final Action Date: May 25, 2017 | Approved

  PINS Date: Jul 12, 2019 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 22, 2020 | Approved

- ANSI/C137.0-2022, Standard for Lighting Systems Terms and Definitions (revision of ANSI C137.0-2017)
  PINS Date: Jul 12, 2019 | Public Review Date: Dec 24, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI/C137.1-2022, 0-10V Dimming Interface for LED Drivers, Fluorescent Ballasts, and Controls (revision of ANSI/C137.1-2019)
  PINS Date: May 14, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI/C137.4-2021, Standard for Digital Interface with Auxiliary Power for Devices (revision of ANSI C137.4-2019)
  PINS Date: Feb 14, 2020 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 11, 2021 | Approved

- ANSI/C137.5-2021, Energy Reporting Requirements for Lighting Devices (new standard)
  PINS Date: Mar 1, 2019 | Public Review Date: Dec 4, 2020 | Final Action Date: Mar 4, 2021 | Approved

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

- ANSI/C137.63103-2021, Standard for Lighting SystemsNon-Active Mode Power Measurement (national adoption with modifications of IEC 63103, ed1.0 (2020-07))
PINS Date: Oct 2, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Dec 13, 2021 | Approved

NEMA (ASC C18) (National Electrical Manufacturers Association)

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PINS Date: Jul 22, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 5, 2019 | Approved

PINS Date: Apr 1, 2016 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 20, 2020 | Approved

- 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

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
NEMA (ASC C29) (National Electrical Manufacturers Association)

- 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

- 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 (R2022), Wet Process Porcelain Insulators - Spool Type  (reaffirmation of ANSI/NEMA C29.3-2015)
  PINS Date: Dec 24, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jun 2, 2022 | 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)

1300 North 17th Street, Suite 1752, Arlington, VA  22209 | w: www.nema.org

- 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 Switchgear Conformance 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

- ANSI C37.55-2020, Standard for SwitchgearMedium Voltage Metal-Clad Assemblies Conformance 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
NEMA (ASC C37) (National Electrical Manufacturers Association)

  PINS Date: May 4, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Nov 15, 2019 | Approved

  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)

- 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

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

NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.1195-2016 (R2022), for Electric Lamps—Double-Capped Fluorescent Lamps—Safety Specifications (reaffirmation of ANSI C78.1195-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 7, 2022 | Approved

- ANSI C78.1199-2016 (R2022), For Electric Lamps—Single-Capped Fluorescent Lamps—Safety Specifications (reaffirmation of ANSI C78.1199-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 6, 2022 | Approved

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

- ANSI C78.1402-2004 (S2018), Standard For Electric Lamps -- Dimensions for Projection Lamps G17q and GX17q Based Four-pin, Prefocus, for Base-down Operation (stabilized maintenance of ANSI C78.1402-2004 (R2011))
  Public Review 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
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<td>Standard for electric lamps--Tungsten-Halogen Lamps with GZ9.5 Two-Pin, Prefocus Bases and 36.5mm Nominal Light Center Length</td>
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<td>Standard Electric Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases</td>
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<td>ANSI C78.1434-2001</td>
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(revision of ANSI C78.20-2003 (R2015)) |
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| ANSI C78.21-2022, Standard -- Incandescent lamps: PAR and R Shapes  
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PINS Date: May 21, 2021 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

| ANSI C78.22-1995 (S2018), Standard for Electric Lamps--A, G, PS, and similar shapes with E39 mogul screw bases  
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Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

| ANSI C78.23-1995 (S2018), For Incandescent Lamps - Miscellaneous Types  
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Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

| ANSI C78.260-2002 (S2018), For Electric Lamps Tubular Tungsten-Halogen Lamps Physical Characteristics  
(stabilized maintenance of ANSI C78.260-2002 (R2011)) |
Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

| ANSI C78.261-1997 (S2018), Specification for Tubular Incandescent Infrared Lamps  
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Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

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

| ANSI C78.370-1997 (S2018), Standard for electric lamps - Method of Designation for Electric Lamps - Photographic, Stage and Studio  
(stabilized maintenance of ANSI C78.370-1997 (R2011)) |
Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

| ANSI C78.374-2015 (R2021), For electric lamps: Light Emitting Diode Specification Sheet for General Illumination Applications  
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Public Review Date: May 29, 2020 | Final Action Date: May 6, 2021 | Approved

| ANSI C78.375A-2014 (R2020), For Electric Lamps:Fluorescent Lamps Guide for Electrical Measures  
(reaffirmation of ANSI C78.375A-2014) |
Public Review Date: Jul 12, 2019 | Final Action Date: Jan 17, 2020 | Approved

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

| ANSI C78.377-2017 (R2022), ANS for Electric Lamps: Specifications for the Chromaticity of Solid-State Lighting Products  
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PINS Date: Jun 30, 2017 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

| ANSI C78.379-2006 (S2020), For Electric Lamps - Classification of the Beam Patterns of Reflector Lamps  
(stabilized maintenance of ANSI C78.379-2006 (R2015)) |
Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

| ANSI C78.380-2016 (R2022), For Electric Lamps: High-Intensity Discharge Lamps, Method of Designation  
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Public Review Date: Jul 9, 2021 | Final Action Date: Apr 5, 2022 | Approved
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## NEMA (ASC C78) (National Electrical Manufacturers Association)

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- **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))
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## NEMA (ASC C8) (National Electrical Manufacturers Association)

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- **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)
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- 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

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- 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)
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- ANSI/NEMA WC 66/ICEA S-166-732-2019, Title: Standard for Category 6 and 6A, 100 Ohm Individually, unshielded 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

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  PINS Date: Apr 24, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 23, 2017 | Approved
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NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.77-8-2020, Standard for Lighting EquipmentFast 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 EquipmentInjected 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 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps—Definitions (reaffirmation of ANSI C82.9-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Apr 12, 2022 | Approved

NEMA (ASC C84) (National Electrical Manufacturers Association)

- ANSI C84.1-2020, Standard for Electric Power Systems and EquipmentVoltage 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)

- ANSI/NEMA AW 10002-2022, Precautionary Labeling for Arc-Welding and Cutting Products (new standard)
  PINS Date: Mar 19, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

  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
## NEMA (ASC W1) (National Electrical Manufacturers Association)

  - Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved

## NEMA (ASC Z535) (National Electrical Manufacturers Association)

  - PINS Date: Mar 5, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI Z535.2-2017 (R2017), Environmental and Facility Signs (reaffirmation of ANSI Z535.2-2011)
  - Public Review Date: Jan 20, 2017 | Final Action Date: Oct 18, 2017 | Approved

- ANSI Z535.3-2022, Criteria for Safety Symbols (revision of ANSI Z535.3-2011 (R2017))
  - Public Review Date: Mar 18, 2022 | Final Action Date: Jun 2, 2022 | 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 Z535.5-2022, Safety Tags and Barricade Tapes (for Temporary Hazards) (revision of ANSI Z535.5-2011 (R2017))
  - PINS Date: Mar 5, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 2, 2022 | 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-017.1-2022, Changing Role of the Telecommunicator in the NG9-1-1 Environment (new standard)
  - PINS Date: Jan 19, 2018 | Public Review Date: May 28, 2021 | Final Action Date: Mar 14, 2022 | 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 (R2022), NENA PSAP Master Clock Standard (reaffirmation of ANSI/NENA STA-026.5-2016)
  - Public Review Date: Dec 31, 2021 | Final Action Date: Feb 28, 2022 | 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-034.1-2022, NENA Legacy Selective Router Gateway Standard (new standard)
  - PINS Date: Nov 6, 2020 | Public Review Date: Nov 26, 2021 | Final Action Date: Mar 17, 2022 | Approved
NENA (National Emergency Number Association)

  PINS Date: Jun 19, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Mar 17, 2022 | Approved

- ANSI/NENA STA.002.2-2022, NENA Standard to Protect the Wellbeing of 9-1-1 Professionals  (new standard)
  PINS Date: Nov 6, 2020 | Public Review Date: Sep 3, 2021 | Final Action Date: Mar 14, 2022 | 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)

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

  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: Jul 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

NETA (InterNational Electrical Testing Association)

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

  PINS Date: Oct 6, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: Feb 4, 2019 | Approved

NFPA (National Fire Protection Association)

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

  PINS Date: Feb 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Aug 31, 2020 | Approved

  PINS Date: Apr 13, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Sep 15, 2021 | Approved

  PINS Date: Oct 11, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Sep 3, 2018 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved
NFPA (National Fire Protection Association)

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Jan 17, 2020 | Final Action Date: Aug 31, 2020 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 31, 2020 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

- ANSI/NFPA 102-2021, Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures (revision of ANSI/NFPA 102-2016)
  PINS Date: Dec 27, 2013 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

- ANSI/NFPA 1021-2020, Standard for Fire Officer Professional Qualifications (revision of ANSI/NFPA 1021-2014)
  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  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: May 19, 2014 | Public Review Date: Sep 19, 2014 | Final Action Date: Nov 14, 2015 | 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
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PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

PINS Date: Jul 7, 2017 | Public Review Date: Mar 13, 2020 | Final Action Date: Dec 16, 2020 | Approved

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PINS Date: Oct 20, 2017 | Public Review Date: Aug 23, 2019 | Final Action Date: Aug 31, 2020 | Approved

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ANSI/NFPA 160-2021, Standard for the Use of Flame Effects Before an Audience  (revision of ANSI/NFPA 160-2016)  
PINS Date: Dec 8, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 25, 2018 | Approved

PINS Date: Jul 7, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

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**Approved American National Standards**

*NFPA (National Fire Protection Association)*

  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Jun 21, 2020 | **Approved**

  PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | **Approved**

- ANSI/NFPA 1700-2021, Guide for Structural Fire Fighting  (new standard)
  PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Aug 31, 2020 | **Approved**

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: May 18, 2019 | **Approved**

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | **Approved**

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

  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | **Approved**

  PINS Date: Jul 7, 2017 | Public Review Date: Sep 13, 2019 | Final Action Date: Jul 16, 2020 | **Approved**

- ANSI/NFPA 1801-2021, Standard on Thermal Imagers for the Fire Service  (revision of ANSI/NFPA 1801-2018)
  PINS Date: Feb 23, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | **Approved**

- ANSI/NFPA 1802-2021, Standard on Two-Way, Portable RF Voice Communications Devices for Use by Emergency Services Personnel in the Hazard Zone  (new standard)
  PINS Date: Dec 15, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 25, 2020 | **Approved**

- ANSI/NFPA 1851-2020, Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting  (revision of ANSI/NFPA 1851-2014)
  PINS Date: Sep 2, 2016 | Public Review Date: Mar 29, 2019 | Final Action Date: Aug 25, 2019 | **Approved**

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | **Approved**

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | **Approved**

- ANSI/NFPA 1877-2022, Standard on Selection, Care, and Maintenance of Wildland Fire Fighting Clothing and Equipment  (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | **Approved**

- ANSI/NFPA 1891-2022, Standard on Selection, Care, and Maintenance of Hazardous Materials Clothing and Equipment  (new standard)
  PINS Date: Jan 26, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 24, 2021 | **Approved**
PINS Date: Jul 7, 2017 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 22, 2021 | Approved

PINS Date: Jul 22, 2011 | Public Review Date: Feb 13, 2015 | Final Action Date: Sep 7, 2015 | Approved

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Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

PINS Date: Dec 27, 2013 | Public Review Date: Sep 19, 2014 | Final Action Date: Nov 14, 2015 | Approved

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PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

PINS Date: Apr 21, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 30, 2019 | Approved

ANSI/NFPA 1937-2021, Standard for the Selection, Care, and Maintenance of Rescue Tools  (new standard)  
PINS Date: Dec 15, 2017 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 25, 2020 | Approved

Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

PINS Date: Dec 29, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

PINS Date: Dec 29, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

Public Review Date: Feb 1, 2019 | Final Action Date: Aug 25, 2019 | Approved

PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved
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ANSI/NFPA 40-2022, Standard for the Storage and Handling of Cellulose Nitrate Film (revision of ANSI/NFPA 40-2019)  
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ANSI/NFPA 409-2022, Standard on Aircraft Hangars (revision of ANSI/NFPA 409-2016)  
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ANSI/NFPA 418-2021, Standard for Heliports (revision of ANSI/NFPA 418-2016)  
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NFPA (National Fire Protection Association)

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| ANSI/NFPA 70B-2019, Recommended Practice for Electrical Equipment Maintenance  (revision of ANSI/NFPA 70B -2016) | PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved |
| ANSI/NFPA 70E-2021, Standard for Electrical Safety in the Workplace®  (revision of ANSI/NFPA 70E-2018) | PINS Date: Feb 23, 2018 | Public Review Date: Jan 24, 2020 | Final Action Date: Jun 21, 2020 | Approved |
| ANSI/NFPA 715-2023, Standard for the Installation of Fuel Gases Detection and Warning Equipment  (new standard) | PINS Date: Jun 12, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Apr 9, 2022 | 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 |
| 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 |
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  PINS Date: Feb 23, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Apr 4, 2020 | Approved

NFRC (National Fenestration Rating Council)

- ANSI/NFRC 100-2020 (EA01), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2020 E0A0)
  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 200-2020 (EA01), Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2020 E0A0)
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  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 203-2020 (EA01), Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (revision of ANSI/NFRC 203-2020)
  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 400-2020 (EA01), Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2020)
  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 500-2020 (EA01), Procedure for Determining Fenestration Product Condensation Index Ratings (revision of ANSI/NFRC 500-2020)
  PINS Date: Sep 10, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

NIRMA (Nuclear Information and Records Management Association)

  PINS Date: Oct 11, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Jun 1, 2021 | Approved

NISO (National Information Standards Organization)

  PINS Date: Sep 25, 2015 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 6, 2017 | Approved

- ANSI/NISO Z39.104-2022, Contributor Roles Taxonomy (CRedit) (new standard)
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  Public Review Date: Oct 31, 2014 | Final Action Date: Jan 21, 2015 | Approved
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  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

  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 26, 2021 | Approved

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

  PINS Date: Mar 26, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: May 5, 2022 | 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)
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- ANSI/NSC 373-2019 (i4r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2017)
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- ANSI/NSC 373-2019 (i5r1), Sustainability Assessment Natural Dimension Stone (revision of ANSI/NSC 373-2017)
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- ANSI/NSF 12-2017 (i11r1), Automatic Ice Making Equipment (revision of ANSI/NSF 12-2012)
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- ANSI/NSF 14-2014 (i40r3), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2013)
  Public Review Date: Feb 28, 2014 | Final Action Date: Oct 10, 2014 | Approved

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- ANSI/NSF 14-2014 (i55r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2014 (i64r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2017 (i78r1), Plastics piping system components and related materials  
  (revision of ANSI/NSF 14-2015)  
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- ANSI/NSF 14-2017 (i82r1), Plastics Piping System Components and Related Materials  
  (revision of ANSI/NSF 14-2007 (i17))  
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- ANSI/NSF 14-2017 (i83r1), NSF/ANSI 14: Plastics Piping System Components and Related Materials  
  (revision of ANSI/NSF 14-2016a)  
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- ANSI/NSF 14-2017 (i85r1), Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2017 (i87r1), NSF/ANSI 14 - Plastics piping system components and related materials  
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- ANSI/NSF 14-2017 (i96r1), NSF 14 - Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i100r1), NSF 14 - Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i86r1), NSF 14 - Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i88r1), NSF 14 - Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i89r1), NSF 14-Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i90r1), NSF 14-Plastics Piping System Components and Related Materials  
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- ANSI/NSF 14-2018 (i91r1), Plastics Piping System Components and Related Materials  
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NSF (NSF International)

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- ANSI/NSF 14-2018 (i95r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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<td>ANSI/NSF 173-2017 (i63r2), NSF 173-2016 Dietary Supplements (revision of BSR/NSF 173-201x (i63r2))</td>
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NSF (NSF International)

- ANSI/NSF 173-2021 (i94r1), Dietary Supplements (revision of ANSI/NSF 173-2020)
  Public Review Date: Nov 27, 2020 | Final Action Date: Jan 13, 2021 | Approved

- ANSI/NSF 173-2022 (i92r2), Dietary Supplements (revision of ANSI/NSF 173-2021)
  Public Review Date: Mar 18, 2022 | Final Action Date: Apr 29, 2022 | Approved

- ANSI/NSF 173-2022 (i95r2), Dietary Supplements (revision of ANSI/NSF 173-2021)
  Public Review Date: Mar 25, 2022 | Final Action Date: May 2, 2022 | Approved

- ANSI/NSF 173-2022 (i97r1), Dietary Supplements (revision of ANSI/NSF 173-2021)
  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI/NSF 173-2022 (i98r1), Dietary Supplements (revision of ANSI/NSF 173-2021)
  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI/NSF 173-2022 (i98r2), Dietary Supplements (revision of ANSI/NSF 173-2021)
  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI/NSF 177-2014 (i5r1), Shower Filtration Systems - Aesthetic Effects (new standard)
  Public Review Date: Aug 29, 2014 | Final Action Date: Dec 11, 2014 | Approved

- ANSI/NSF 177-2019 (i8r1), NSF 177 - Shower Filtration Systems – Aesthetic Effects (revision of ANSI/NSF 177-2014)
  Public Review Date: Aug 9, 2019 | Final Action Date: Sep 10, 2019 | Approved

- ANSI/NSF 18-2016 (i14r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2012)
  Public Review Date: May 6, 2016 | Final Action Date: Jun 8, 2016 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Oct 27, 2020 | Approved

- ANSI/NSF 18-2020 (i17r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)
  Public Review Date: Sep 18, 2020 | Final Action Date: Oct 18, 2020 | Approved

  Public Review Date: Oct 16, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/NSF 18-2021 (i19r2), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)
  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 4, 2021 | Approved

- ANSI/NSF 18-2022 (i20r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2020)
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- ANSI/NSF 18-2022 (i21r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2020)
  Public Review Date: Jan 28, 2022 | Final Action Date: Feb 27, 2022 | Approved

- ANSI/NSF 184-2014 (i5r1), Residential Dishwashers (revision of ANSI/NSF 184-2010)
  Public Review Date: Oct 10, 2014 | Final Action Date: Nov 12, 2014 | Approved

- ANSI/NSF 184-2019 (i11r2), NSF 184 - Residential Dishwashers (revision of ANSI/NSF 184-2014)
  Public Review Date: Feb 8, 2019 | Final Action Date: Mar 13, 2019 | Approved

- ANSI/NSF 2-2015 (i24r2), Food Equipment (revision of ANSI/NSF 2-2014)
  Public Review Date: Mar 27, 2015 | Final Action Date: Dec 11, 2015 | Approved

- ANSI/NSF 2-2016 (i23r2), Food Equipment (revision of ANSI/NSF 2-2012)
  Public Review Date: Jan 31, 2014 | Final Action Date: Jun 3, 2016 | Approved
### NSF (NSF International)

- **ANSI/NSF 2-2016 (i25r2), Food Equipment** (revision of ANSI/NSF 2-2012)
  Public Review Date: Aug 7, 2015 | Final Action Date: Jun 18, 2016 | Approved

- **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)
  Public Review Date: May 4, 2018 | Final Action Date: Jun 4, 2018 | Approved

- **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)
  Public Review Date: Apr 26, 2019 | Final Action Date: Aug 7, 2019 | Approved

- **ANSI/NSF 2-2021 (i38r2), Food Equipment** (revision of ANSI/NSF 2-2019)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 3, 2021 | Approved

- **ANSI/NSF 2-2021 (i41r2), Food Equipment** (revision of ANSI/NSF 2-2019)
  Public Review Date: Apr 26, 2021 | Final Action Date: Aug 10, 2021 | Approved

- **ANSI/NSF 2-2022 (i32r3), 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 21-2022 (i10r1), Thermoplastic Refuse Containers** (revision of ANSI/NSF 21-2019)
  Public Review Date: Jun 18, 2021 | Final Action Date: Apr 1, 2022 | Approved

- **ANSI/NSF 21-2022 (i9r1), Thermoplastic Refuse Containers** (revision of ANSI/NSF 21-2019)
  Public Review Date: May 13, 2022 | Final Action Date: Jun 12, 2022 | Approved

- **ANSI/NSF 223-2015 (i5r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60-Distilled Water Treatment Chemicals - Health Effects** (revision of ANSI/NSF 223-2013)
  Public Review Date: May 8, 2015 | Final Action Date: Jun 9, 2015 | Approved
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ANSI/NSF 3-2021 (i19r1), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2019)
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ANSI/NSF 3-2021 (i20r2), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2019)
Public Review Date: Oct 15, 2021 | Final Action Date: Nov 14, 2021 | Approved

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

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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 (revision of ANSI/NSF 3-A 14159-2-2010)
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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 (revision of ANSI/NSF 3-A 14159-2-2014)
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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)
Public Review Date: Nov 14, 2014 | Final Action Date: Dec 22, 2014 | Approved

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 (i6r1), 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)
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ANSI/NSF 305-2015 (i21r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2012)
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ANSI/NSF 305-2015 (i21r4), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2012)
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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)
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ANSI/NSF 305-2022 (i31r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2016)
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- 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)
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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)
  Public Review Date: Nov 28, 2014 | Final Action Date: Jan 26, 2015 | Approved

  Public Review Date: Oct 27, 2017 | Final Action Date: Feb 7, 2018 | Approved

- ANSI/NSF 342-2019 (i10r2), Sustainability assessment for wallcovering products (revision of ANSI/NSF 342-2014)
  Public Review Date: Feb 15, 2019 | Final Action Date: Mar 17, 2019 | Approved

- ANSI/NSF 342-2019 (i11r1), Sustainability Assessment for Wallcovering Products (revision of ANSI/NSF 342-2014)
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  Public Review Date: Aug 10, 2018 | Final Action Date: Dec 10, 2018 | Approved

- ANSI/NSF 35-2012 (i6), High pressure decorative laminates (HPDL) for surfacing food service equipment (revision of ANSI/NSF 35-2009)
  Public Review Date: Dec 16, 2011 | Final Action Date: Aug 8, 2012 | Approved

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- ANSI/NSF 350-2018 (i29r1), NSF/ANSI 350 - Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017a)
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  Public Review Date: Jun 29, 2018 | Final Action Date: Sep 12, 2018 | Approved

- ANSI/NSF 350-2018 (i31r1), Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017)
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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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- ANSI/NSF 358-1-2021 (i5r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)
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- ANSI/NSF 358-1-2021 (i6r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 29, 2021 | Approved

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- ANSI/NSF 358-3-2016 (i1r2), Cross-Linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-source (Geothermal) Heat Pump Systems (new standard)
  PINS Date: Mar 27, 2009 | Public Review Date: Feb 26, 2016 | Final Action Date: Jun 9, 2016 | Approved

- ANSI/NSF 358-3-2016 (i2r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3)
  Public Review Date: Sep 2, 2016 | Final Action Date: Oct 2, 2016 | Approved

- ANSI/NSF 358-3-2021 (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 27, 2021 | Approved

- 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 2, 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)
  Public Review Date: Mar 8, 2019 | Final Action Date: Apr 7, 2019 | Approved

- 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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### Approved American National Standards

**NSF (NSF International)**

- **ANSI/NSF 385-2021 (i6r1), Disinfection Mechanics** (revision of ANSI/NSF 385-2019)
  - Public Review Date: Jan 1, 2021 | Final Action Date: Feb 2, 2021 | Approved

- **ANSI/NSF 385-2021 (i8r1), Disinfection Mechanics** (revision of ANSI/NSF 385-2019)
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  - Public Review Date: Jun 11, 2021 | Final Action Date: Jul 13, 2021 | Approved

- **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)
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- **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))
  - Public Review Date: Mar 10, 2017 | Final Action Date: Mar 20, 2018 | Approved
### NSF (NSF International)

- **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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- **ANSI/NSF 40-2020 (i41r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)
  - Public Review Date: Oct 23, 2020 | Final Action Date: Nov 30, 2020 | Approved

- **ANSI/NSF 40-2021 (i36r1)**, NSF 40 Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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- **ANSI/NSF 40-2022 (i42r2)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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- **ANSI/NSF 40-2022 (i43r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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- **ANSI/NSF 40-2022 (i47r2)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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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: Jan 29, 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)
  - Public Review Date: May 6, 2016 | Final Action Date: Jun 8, 2016 | Approved

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

- **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)
  - Public Review Date: Oct 28, 2016 | Final Action Date: Jan 12, 2017 | Approved
NSF (NSF International)

- ANSI/NSF 401-2017 (i8r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2016)
  Public Review Date: May 12, 2017 | Final Action Date: Jun 13, 2017 | Approved

- ANSI/NSF 401-2017 (i9), NSF/ANSI 401 Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401 2017)
  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 27, 2017 | Approved

- ANSI/NSF 401-2018 (i10r2), NSF 401 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017a)
  Public Review Date: Jun 22, 2018 | Final Action Date: Jul 31, 2018 | Approved

- 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)
  Public Review Date: Nov 30, 2018 | Final Action Date: Dec 30, 2018 | Approved

- ANSI/NSF 401-2019 (i14r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2018)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 5, 2019 | Approved

- 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 401-2020 (i18r2), 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 (i19r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
  Public Review Date: Sep 18, 2020 | Final Action Date: Oct 18, 2020 | Approved

- ANSI/NSF 401-2021 (i20r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
  Public Review Date: Jan 1, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI/NSF 401-2021 (i24r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/NSF 401-2021 (i25r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/NSF 401-2021 (i26r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)
  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 11, 2021 | Approved
NSF (NSF International)

- ANSI/NSF 41-2016 (i7r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2011)
  Public Review Date: Feb 19, 2016 | Final Action Date: Mar 20, 2016 | Approved

- ANSI/NSF 41-2018 (i8r2), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)
  Public Review Date: Apr 20, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI/NSF 41-2018 (i9r1), Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)
  Public Review Date: Aug 24, 2018 | Final Action Date: Sep 23, 2018 | Approved

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- ANSI/NSF 416-2014 (i1r4), Sustainability Assessment for Water Treatment Chemical Products (new standard)
  PINS Date: Aug 17, 2012 | Public Review Date: Sep 19, 2014 | Final Action Date: Nov 18, 2014 | Approved

- ANSI/NSF 416-2014 (i2r1), Sustainability Assessment for Water treatment chemical products (new standard)
  Public Review Date: Nov 21, 2014 | Final Action Date: Jan 14, 2015 | Approved

- ANSI/NSF 416-2017 (i4r1), Sustainability assessment for water treatment chemical products (revision of ANSI/NSF 416-2014 (i2r1))
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- ANSI/NSF 419-2015 (i1r3), Public Drinking Water Equipment Performance - Filtration (new standard)
  PINS Date: Feb 1, 2013 | Public Review Date: Nov 7, 2014 | Final Action Date: Jan 2, 2015 | Approved

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- ANSI/NSF 42-2014 (i7r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2013)
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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), NSF 42: Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
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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 (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 426-2018 (i5r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426i5r1)
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ANSI/NSF 426-2019 (i8r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426-2018)
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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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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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NSF (NSF International)

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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)
  PINS Date: Mar 17, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 20, 2018 | Approved

- ANSI/NSF 455-2-2018 (i1r3), NSF 455-2 - Good Manufacturing Practices for Dietary Supplements  (new standard)
  PINS Date: Sep 5, 2014 | Public Review Date: Oct 5, 2018 | Final Action Date: Nov 4, 2018 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 6, 2020 | Approved

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

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  Public Review Date: Feb 12, 2021 | Final Action Date: Mar 14, 2021 | Approved

  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 6, 2021 | Approved

- ANSI/NSF 455-2-2021 (i12r1), Good Manufacturing Practices for Dietary Supplements  (revision of ANSI/NSF 455-2-2020)
  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 13, 2021 | Approved
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- **ANSI/NSF 455-3-2022 (i32r1)** Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)
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- **ANSI/NSF 455-3-2022 (i34r1)** Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2021)
  - Public Review Date: May 27, 2022 | Final Action Date: Jul 1, 2022 | Approved

- **ANSI/NSF 455-4-2018 (i10r1)** 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)** 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)** 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)
  - Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

- **ANSI/NSF 455-4-2018 (i4r1)** NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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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)
  - Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

- **ANSI/NSF 455-4-2018 (i8r1)** 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 (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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<td>ANSI/NSF 456-2021 (i1r1), Vaccine Storage</td>
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<td>PINS Date: Dec 12, 2014</td>
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### ANSI/NSF 49-2014 (i55r1)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
- **Public Review Date**: Apr 11, 2014
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- **Status**: Approved

### ANSI/NSF 49-2014 (i72r1)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
- **Public Review Date**: Sep 26, 2014
- **Final Action Date**: Nov 10, 2014
- **Status**: Approved

### ANSI/NSF 49-2016 (i45r4)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
- **Public Review Date**: Jul 15, 2016
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### ANSI/NSF 49-2016 (i56r2)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field (revision of ANSI/NSF 49-2014)
- **Public Review Date**: Jul 31, 2015
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### ANSI/NSF 49-2016 (i76r2)
- **Revision**: 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
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- **Status**: Approved

### ANSI/NSF 49-2016 (i78r3)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
- **Public Review Date**: Jun 10, 2016
- **Final Action Date**: Aug 1, 2016
- **Status**: Approved

### ANSI/NSF 49-2016 (i79r2)
- **Revision**: NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
- **Public Review Date**: Mar 25, 2016
- **Final Action Date**: Jun 24, 2016
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### ANSI/NSF 49-2017 (i73Br5)
- **Revision**: Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2006 (i11))
- **Public Review Date**: Jan 20, 2017
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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 Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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ANSI/NSF 49-2018 (i117r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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ANSI/NSF 49-2018 (i121r1), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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ANSI/NSF 49-2020 (i156r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)  
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ANSI/NSF 49-2020 (i54r6), NSF 49 - Biosafety Cabinetry - Design Construction, Performance and Field Certification (revision of ANSI/NSF 49-2019)  
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ANSI/NSF 49-2021 (i141r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)  
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NSF (NSF International)

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

- ANSI/NSF 5-2019 (i10r1), NSF 5 - Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (revision of ANSI/NSF 5-2016)
  Public Review Date: Apr 26, 2019 | Final Action Date: May 26, 2019 | Approved

  Public Review Date: Feb 15, 2019 | Final Action Date: Mar 17, 2019 | Approved

- ANSI/NSF 50-2015 (i100r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)
  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 15, 2015 | Approved

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- ANSI/NSF 50-2016 (i91r1), 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 (i92r1), 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 (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 505-2021 (i1r3), NSF 505-20XX: Conformity Assessment Requirements for Certification Bodies that Certify Pool Chemicals Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (new standard)
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- ANSI/NSF 505-2021 (i2r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water (revision of ANSI/NSF 505-2021)
  Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

- ANSI/NSF 51-2017 (i15r1), NSF/ANSI 51 Food Equipment Materials (revision of ANSI/NSF 51-2014)
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- ANSI/NSF 51-2018 (i14r1), NSF 51 - Food Equipment Materials (revision of ANSI/NSF 51-2014)
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- ANSI/NSF 52-2017 (i7r1), Supplemental Flooring (revision of ANSI/NSF 52-2012)
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- ANSI/NSF 53-2014 (i92), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2013)
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- ANSI/NSF 53-2015 (i85r5), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2014)
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- ANSI/NSF 53-2015 (i98r1), Drinking water treatment units - Health effects (revision of ANSI/NSF 53-2014)
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- ANSI/NSF 53-2015 (i99r2), Drinking water treatment units - Health effects (revision of ANSI/NSF 53-2014)
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- ANSI/NSF 53-2016 (i104r1), NSF 53-2016 - Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2015)
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- ANSI/NSF 53-2016 (i87r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2015)
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- ANSI/NSF 53-2017 (i106r1), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2016)
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ANSI/NSF 55-2015 (i40r2), Ultraviolet Microbiological Water Treatment System  (revision of ANSI/NSF 55-2014)
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ANSI/NSF 55-2016 (i42r1), NSF 55-2016 - Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2015)
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ANSI/NSF 55-2019 (i49r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2018)
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- ANSI/NSF 8-2018 (i13r1), NSF 8-2012-Commercial Powered Food Preparation Equipment    (revision of ANSI/NSF 8 -2012)
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- ANSI/NSF 8-2021 (i16r1), Commercial Powered Food Preparation Equipment  (revision of ANSI/NSF 8-2018)
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- ANSI/NSF 8-2021 (i17r1), NSF 8 - Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)
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- ANSI/NSF 8-2021 (i19r1), Commercial Powered Food Preparation Equipment  (revision of ANSI/NSF 8-2018)
  Public Review Date: Jan 22, 2021 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/NSF 8-2021 (i20r1), Commercial Powered Food Preparation Equipment  (revision of ANSI/NSF 8-2018)
  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 2, 2021 | Approved

- ANSI/NSF/AWWA 375-2020 (i2r1), NSF/AWWA 375 – Sustainability Assessment for Water Contact Products  (revision and redesignation of ANSI/NSF 375-2016)
  Public Review Date: Jan 24, 2020 | Final Action Date: Feb 25, 2020 | Approved

- ANSI/NSF/CAN 372-2020 (i5r1), Drinking Water System Components – Lead Content  (revision and redesignation of ANSI/NSF 372-2016)
  Public Review Date: Aug 14, 2020 | Final Action Date: Sep 29, 2020 | Approved

  Public Review Date: Jan 28, 2022 | Final Action Date: Mar 21, 2022 | Approved

  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: Nov 6, 2020 | Final Action Date: Dec 23, 2020 | Approved

  Public Review Date: Sep 11, 2020 | Final Action Date: Nov 11, 2020 | Approved
NSF (NSF International)

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 21, 2020 | Approved

  Public Review Date: Mar 25, 2022 | Final Action Date: May 16, 2022 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Jan 4, 2021 | Approved

  Public Review Date: Sep 3, 2021 | Final Action Date: Dec 1, 2021 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 30, 2021 | Approved

  Public Review Date: Jul 23, 2021 | Final Action Date: Dec 2, 2021 | Approved

  Public Review Date: Sep 3, 2021 | Final Action Date: Dec 10, 2021 | Approved

  Public Review Date: Nov 12, 2021 | Final Action Date: Apr 28, 2022 | Approved

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

  Public Review Date: Feb 4, 2022 | Final Action Date: Mar 25, 2022 | Approved

  Public Review Date: Feb 25, 2022 | Final Action Date: Apr 11, 2022 | Approved

  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 4, 2022 | Approved

  Public Review Date: Dec 3, 2021 | Final Action Date: Apr 28, 2022 | Approved

  Public Review Date: Feb 4, 2022 | Final Action Date: Mar 23, 2022 | Approved
### NSF (NSF International)

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<td>ANSI/NSF/CAN 600-2018 (i1r1)</td>
<td>NSF 600 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water</td>
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<td>ANSI/NSF/CAN 600-2019 (i4r1)</td>
<td>Health Effects Evaluation and Criteria for Chemicals in Drinking Water</td>
<td>Approved</td>
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  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

  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 31, 2019 | Approved

  Public Review Date: Nov 29, 2019 | Final Action Date: May 29, 2020 | Approved

  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 1, 2020 | Approved

  Public Review Date: Mar 20, 2020 | Final Action Date: Jun 2, 2020 | Approved

  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 17, 2020 | Approved

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  Public Review Date: Jul 23, 2021 | Final Action Date: Sep 8, 2021 | Approved

  Public Review Date: Feb 11, 2022 | Final Action Date: Mar 15, 2022 | Approved

  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 8, 2022 | Approved

  Public Review Date: May 6, 2022 | Final Action Date: Jul 11, 2022 | Approved
NSF (NSF International)

  Public Review Date: May 20, 2022 | Final Action Date: Jul 15, 2022 | Approved

- ANSI/NSF/IPEC 363-2014 (i1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (new standard)
  Public Review Date: Oct 3, 2014 | Final Action Date: Nov 17, 2014 | Approved

- ANSI/NSF/IPEC 363-2019 (i14r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF/IPEC 363-2014)
  Public Review Date: Jul 5, 2019 | Final Action Date: Sep 20, 2019 | Approved

  PINS Date: Jan 26, 2001 | Public Review Date: May 18, 2001 | Final Action Date: Aug 3, 2001 | Approved

  PINS Date: Jan 26, 2001 | Public Review Date: May 18, 2001 | Final Action Date: Aug 3, 2001 | Approved

  PINS Date: Jan 26, 2001 | Public Review Date: May 18, 2001 | Final Action Date: Aug 3, 2001 | Approved

- ANSI/NSI 373-2022 (i6r1), Sustainability Assessment - Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2019)
  Public Review Date: Dec 10, 2021 | Final Action Date: Jan 9, 2022 | Approved

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

NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA  22202 | w: www.wasterecycling.org

  Public Review Date: May 22, 2015 | Final Action Date: Jan 9, 2017 | Approved

- ANSI Z245.2-2013, StationaryCompactors - 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
NW&RA (ASC Z245) (National Waste & Recycling Association)

- 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)

75 Barett Drive, #1190, Webster, NY 14580 | w: www.OEOSC.org

  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

  PINS Date: Feb 14, 2020 | Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

  Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

  Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

  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

- 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

- 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
OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

- 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: Jan 28, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: May 27, 2022 | Approved

  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

  PINS Date: Jun 7, 2013 | Public Review Date: Dec 20, 2013 | Final Action Date: Jun 16, 2014 | Approved

  PINS Date: Sep 13, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: May 11, 2021 | Approved

  PINS Date: Mar 7, 2014 | Public Review Date: Feb 15, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/OPEI B175.3-2019, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Grass Trimmers and Brushcutters - Safety and Environmental Requirements (revision of ANSI/OPEI B175.3-2013)
  PINS Date: Mar 7, 2014 | Public Review Date: Aug 2, 2019 | Final Action Date: Dec 5, 2019 | Approved
### OPEI (Outdoor Power Equipment Institute)

- **ANSI/OPEI B175.4-2018**, Standard for Outdoor Power Equipment - Portable, Handheld, Internal Combustion Engine-Powered Cut-off Machines - Safety and Environmental Requirements  
  (revision of ANSI/OPEI B175.4-2013) 
  PINS Date: Mar 7, 2014 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 13, 2018 | Approved

- **ANSI/OPEI B175.5-2021**, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Edger - Safety and Environmental Requirements  
  (new standard) 
  PINS Date: Feb 22, 2013 | Public Review Date: Jul 2, 2021 | Final Action Date: Sep 24, 2021 | Approved

  (new standard) 
  PINS Date: Feb 22, 2013 | Public Review Date: Mar 30, 2018 | Final Action Date: May 24, 2018 | Approved

- **ANSI/OPEI B175.7-2019**, (Standard) for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Pole Mounted Pruners - Safety and Environmental Requirements  
  (new standard) 
  PINS Date: Feb 22, 2013 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

  (revision of ANSI/OPEI B71.1-2012) 
  Public Review Date: May 20, 2016 | Final Action Date: Jan 24, 2017 | Approved

  (revision of ANSI/OPEI B71.10-2013) 
  PINS Date: Jan 31, 2014 | Public Review Date: Mar 16, 2018 | Final Action Date: Aug 10, 2018 | Approved

- **ANSI/OPEI B71.3-2014 (R2020)**, Snow Throwers - Safety Specifications  
  (reaffirmation of ANSI/OPEI B71.3-2014) 
  PINS Date: Jan 31, 2020 | Public Review Date: Apr 24, 2020 | Final Action Date: Jul 6, 2020 | Approved

- **ANSI/OPEI B71.4-2017**, Commercial Turf Care Equipment - Safety Specifications  
  (revision of ANSI/OPEI B71.4-2012) 
  Public Review Date: Aug 12, 2016 | Final Action Date: Jan 24, 2017 | Approved

- **ANSI/OPEI B71.6-2021**, Powered Consumer Chipper / Shredders and Pedestrian-Controlled Chipper / Shredder Vacuums - Safety Specifications  
  (new standard) 
  PINS Date: Feb 7, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/OPEI B71.7-2018**, Powered Consumer Ram-Type Log Splitters - Safety Specifications  
  (new standard) 
  PINS Date: May 11, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Aug 8, 2018 | Approved

- **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 15, 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)

  (new standard) 
  PINS Date: Jun 16, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: May 21, 2019 | Approved
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<tr>
<td>PDA (Parenteral Drug Association)</td>
<td>Bethesda Towers, 4350 East-West Highway, Suite 600, Bethesda, MD 20814</td>
<td><a href="http://www.pda.org">www.pda.org</a></td>
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<td>ANSI/PDA Standard 001-2020, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries (new standard)</td>
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<td>ANSI/PDA Standard 04-2021, Phage Retention Nomenclature Rating for Small and Large Virus-Retentive Filters (new standard)</td>
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<td>ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction (new standard)</td>
<td>PINS Date: Jul 5, 2019</td>
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<td>PEARL (Professional Electrical Apparatus Recyclers League)</td>
<td>17 Faulkner Drive, Niantic, CT 06357</td>
<td><a href="http://www.pearl1.org">www.pearl1.org</a></td>
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<td>PGMA (Portable Generator Manufacturers Association)</td>
<td>1300 Sumner Avenue, Cleveland, OH 44115-2851</td>
<td><a href="http://www.pgmaonline.com">www.pgmaonline.com</a></td>
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<td>ANSI/PGMA G300-2018, Safety and Performance of Portable Generators (revision of ANSI/PGMA G300-2015)</td>
<td>PINS Date: Sep 30, 2016</td>
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<td>PHTA (Pool and Hot Tub Alliance)</td>
<td>2111 Eisenhower Avenue, Suite 500, Alexandria, VA 22314</td>
<td><a href="http://www.PHTA.org">www.PHTA.org</a></td>
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<td>ANSI/APSP 1-2013, Standard for Public Swimming Pools (new standard)</td>
<td>PINS Date: Sep 14, 2012</td>
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<td>ANSI/APSP 3-2013, Standard for Permanently Installed Residential Spas and Swim Spas (new standard)</td>
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### PHTA (Pool and Hot Tub Alliance)

  - PINS Date: Aug 3, 2012 | Public Review Date: Feb 8, 2013 | Final Action Date: Apr 2, 2013 | Approved

  - PINS Date: Feb 27, 2015 | Public Review Date: May 12, 2017 | Final Action Date: Nov 7, 2018 | Approved

  - PINS Date: Jul 12, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Jan 6, 2017 | Approved

  - PINS Date: Jul 11, 2014 | Public Review Date: Aug 1, 2014 | Final Action Date: Sep 12, 2014 | Approved

  - PINS Date: Jan 4, 2019 | Public Review Date: Aug 23, 2019 | Final Action Date: Nov 19, 2019 | Approved

  - PINS Date: Mar 17, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Aug 18, 2017 | Approved

  - PINS Date: Apr 7, 2017 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

  - PINS Date: Apr 7, 2017 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

  - PINS Date: Aug 1, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Nov 3, 2015 | Approved

  - PINS Date: Jan 4, 2019 | Public Review Date: Mar 22, 2019 | Final Action Date: May 10, 2019 | Approved

- **ANSI/PHTA/ICC-10-2021, Standard for Elevated Pools, Spas, and Other Aquatic Venues Integrated into a Building or Structure** (new standard)
  - PINS Date: Apr 2, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

  - 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
Approved American National Standards

PLASTICS (Plastics Industry Association)

- 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)

25225 Detroit Road, Westlake, OH 44145 | w: www.plato-usa.org

- 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)

14 Campus Boulevard, Newtown Square, PA 19073-3299 | w: www.pmi.org

  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

  PINS Date: Apr 3, 2015 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

  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)

12930 Worldgate Dr, Suite 200, Herndon, VA 20170-6037 | w: www.pmmi.org

- ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery (revision of ANSI/PMMI B155.1-2011)
  PINS Date: Nov 6, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Nov 18, 2016 | Approved
### PRCA (Professional Ropes Course Association)

6260 East Riverside Boulevard #104, Rockford, IL 61114 | w: www.prcainfo.org

- ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation & Training Standards (new standard)
  - PINS Date: Dec 23, 2005 | Public Review Date: Oct 21, 2011 | Final Action Date: Mar 3, 2014 | Approved

### PSAI (Portable Sanitation Association International)

1000 Westgate Drive, Suite 252, Saint Paul, MN 55114 | w: www.psaio.org

  - 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 (new standard)
  - 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)

2001 K Street, NW, 3rd Floor North, Washington, DC 20006 | w: www.resna.org

  - 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 (new standard)
  - 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

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  - 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
RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  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

  Public Review Date: May 27, 2022 | Final Action Date: Jul 29, 2022 | Approved

  Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

  Public Review Date: Feb 18, 2022 | Final Action Date: May 10, 2022 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved

RIC (Remanufacturing Industries Council)

- 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)

  PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved
### RVIA (Recreational Vehicle Industry Association)

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<td>ANSI A119.5-2020, Park Model Recreational Vehicle Standard</td>
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<td>ANSI/RVIA TSIC-1-2018, Recommended Practice Process Controls for Assembly of Wheels on Trailers</td>
<td>May 5, 2017</td>
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<td>ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles</td>
<td>Apr 13, 2018</td>
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### SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

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**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

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**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

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**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)**

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

- ANSI/SCTE 01-2021, Specification for F Port, Female, Outdoor  
  (revision of ANSI/SCTE 01-2015)  
  PINS Date: Feb 28, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 02-2021, Specification for F Port, Female, Indoor  
  (revision of ANSI/SCTE 02-2015)  
  PINS Date: Feb 28, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 03-2016, Test Method for Coaxial Cable Structural Return Loss  
  (new standard)  
  PINS Date: Feb 15, 2013 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 25, 2018 | Approved
## SCTE (Society of Cable Telecommunications Engineers)

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  PINS Date: Dec 25, 2015 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  PINS Date: Nov 15, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 4, 2020 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

  PINS Date: Sep 7, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Mar 1, 2021 | Approved

- ANSI/SCTE 130-3-2020, Digital Program Insertion-Advertising Systems Interfaces Part 3 Ad Management Service (ADM) Interface (revision of ANSI/SCTE 130-3-2013)
  Public Review Date: Jan 1, 2021 | Final Action Date: Feb 22, 2021 | Approved

- ANSI/SCTE 130-6-2020, Digital Program Insertion—Advertising Systems Interfaces Part 6 – Subscriber Information Service (SIS) (revision of ANSI/SCTE 130-6-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 8, 2020 | Approved

  PINS Date: Aug 8, 2014 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 15, 2016 | Approved

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<td>HMS VoIP Test Management Information Base (MIB) Definition SCTE-HMS-VOIP-MIB</td>
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<td>ANSI/SCTE 132-2020</td>
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<td>Jan 6, 2020</td>
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<td>ANSI/SCTE 133-2017</td>
<td>Downstream RF Interface for Cable Modem Termination System</td>
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<td>ANSI/SCTE 134-2021</td>
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<td>ANSI/SCTE 135-5-2017</td>
<td>DOCSIS 3.0 Part 5: Cable Modem to Customer Premise Equipment Interface</td>
<td>Jul 15, 2019</td>
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<td>ANSI/SCTE 136-1-2019</td>
<td>Layer 2 Virtual Private Networks for IP Cable Modem Systems</td>
<td>Jul 15, 2019</td>
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<td>ANSI/SCTE 136-2-2019</td>
<td>Cable Modem TDM Emulation Interface Standard</td>
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<td>Modular Head End Architecture Part 4: Edge Resource Manager Interface</td>
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  - PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 137-6-2017 (R2021), Modular Head End Architecture Part 6: Edge QAM Video Stream Interface (reaffirmation of ANSI/SCTE 137-6-2017)
  - PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: May 17, 2019 | Final Action Date: Jul 15, 2019 | Approved

- ANSI/SCTE 14-2016 (R2022), Test Method for Hex Crimp Tool Verification/Calibration (reaffirmation of ANSI/SCTE 14-2016)
  - PINS Date: Jan 28, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | Approved

- ANSI/SCTE 140-2019, Cable Modem IPv4 and IPv6 eRouter Specification (revision of ANSI/SCTE 140-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 15, 2019 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Mar 8, 2019 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 7, 2017 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Feb 25, 2022 | Final Action Date: May 6, 2022 | Approved

- ANSI/SCTE 146-2021, Outdoor F Female to F Female Inline Splice (revision of ANSI/SCTE 146-2017)
  - PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 147-2010, Specification for 75 ohm Inline Attenuators (revision of ANSI/SCTE 147-2008)
  - PINS Date: Nov 9, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Jun 26, 2013 | Approved

  - PINS Date: Feb 15, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 1, 2016 | Approved

- 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: Apr 16, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 25, 2022 | Approved

  - PINS Date: Nov 9, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Jun 26, 2013 | Approved
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<td>Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2016)</td>
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<td>IPCablecom 1.5 Part 12: PSTN Gateway Call Signaling Protocol (reaffirmation of ANSI/SCTE 165-12-2016)</td>
<td>Feb 5, 2021</td>
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<td>IPCablecom 1.5 Part 18: CMS to CMS Signaling</td>
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<td>ANSI/SCTE 165-3-2016 (R2021), IPCablecom 1.5 Part 3: Network-Based Call Signaling Protocol</td>
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### SCTE (Society of Cable Telecommunications Engineers)

  
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PINS Date: Mar 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Dec 20, 2019 | **Approved**

  
PINS Date: Mar 25, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | **Approved**

- **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**

  
PINS Date: Sep 7, 2018 | Public Review Date: Nov 1, 2019 | Final Action Date: Dec 20, 2019 | **Approved**

  
PINS Date: Mar 25, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 8, 2022 | **Approved**

  
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PINS Date: Nov 15, 2019 | Public Review Date: Sep 4, 2020 | Final Action Date: Oct 26, 2020 | **Approved**
### ANSI/SCTE Standards List

  - PINS Date: Nov 15, 2019 | Public Review Date: Oct 16, 2020 | Final Action Date: Jan 4, 2021 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 17, 2020 | Approved

  - PINS Date: Jan 15, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

  - PINS Date: Jan 15, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

- **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)
  - PINS Date: May 25, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Mar 22, 2019 | Approved

  - PINS Date: Aug 7, 2020 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 19, 2021 | Approved

  - PINS Date: Feb 14, 2020 | Public Review Date: Mar 20, 2020 | Final Action Date: May 7, 2020 | Approved

  - PINS Date: Aug 24, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Mar 22, 2019 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 4, 2021 | Approved

  - PINS Date: Mar 20, 2015 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

  - PINS Date: Aug 15, 2014 | Public Review Date: Jul 22, 2016 | Final Action Date: Sep 16, 2016 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Mar 22, 2022 | Final Action Date: May 6, 2022 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: May 6, 2022 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: May 27, 2022 | Final Action Date: Jul 12, 2022 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: May 6, 2022 | Approved
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  PINS Date: Nov 2, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Mar 22, 2019 | Approved

- ANSI/SCTE 224-2021, Event Scheduling and Notification Interface (ESNI)  (revision of ANSI/SCTE 224-2020)
  PINS Date: Apr 9, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 226-2015, Cable Facility Classification Definitions and Requirements  (new standard)
  PINS Date: Oct 2, 2015 | Public Review Date: Dec 18, 2015 | Final Action Date: Feb 11, 2016 | Approved

  PINS Date: Apr 17, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 16, 2018 | Approved

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

  PINS Date: Apr 17, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Jun 11, 2018 | Approved

- ANSI/SCTE 230-2021, Recommended Practice for Proper Handling of Audio-Video Synchronization in Cable Systems
  (revision of ANSI/SCTE 230-2016)
  PINS Date: Jul 9, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/SCTE 231-2020, General Test Procedures for Evaluation of Energy Efficiency Metrics and in Support of
  Functional Density Metrics  (revision of ANSI/SCTE 231-2016)
  PINS Date: Oct 18, 2019 | Public Review Date: Nov 15, 2019 | Final Action Date: Jan 6, 2020 | Approved

  Server Equipment  (revision of ANSI/SCTE 232-2016)
  PINS Date: Jun 7, 2019 | Public Review Date: Nov 15, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI/SCTE 233-2016 (R2021), Wavelength-Division Multiplex Small Form Factor Pluggable (PXFP-WDM) Optical
  Transmitter Module Interface Specification  (reaffirmation of ANSI/SCTE 233-2016)
  PINS Date: Jun 25, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

  (new standard)
  PINS Date: Aug 5, 2016 | Public Review Date: Oct 21, 2016 | Final Action Date: Dec 15, 2016 | Approved

- ANSI/SCTE 236-2021, Content Metadata  (revision of ANSI/SCTE 236-2017)
  PINS Date: Oct 23, 2020 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

  standard)
  PINS Date: Jul 21, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

  Services over Cable Television Networks Using Cable Modems  (reaffirmation of ANSI/SCTE 24-1-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-10-2016 (R2022), IPCablecom 1.0 Part 10: Security Specification  (reaffirmation of ANSI/SCTE 24-10
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<td>IPCablecom 1.0 Part 5: Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems</td>
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PINS Date: Jun 9, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Dec 21, 2017 | Approved

## ANSI/SCTE 242-3-2017, Next Generation Audio Coding Constraints for Cable Systems: Part 3 - MPEG-H Audio Coding Constraints (new standard)
PINS Date: Jun 9, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Jun 28, 2018 | Approved

PINS Date: Jul 27, 2018 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 5, 2019 | Approved

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PINS Date: Jun 9, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Jun 28, 2018 | Approved

PINS Date: Jul 27, 2018 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 5, 2019 | Approved

## ANSI/SCTE 244-2018, Specification for Braided 75 , Micro-Series Quad Shield Coaxial Cable for Connectivity and Dense CCAP/Edge QAM Applications (new standard)
PINS Date: Jan 17, 2014 | Public Review Date: Mar 2, 2018 | Final Action Date: May 22, 2018 | Approved

## ANSI/SCTE 249-2018, Test Method Common Mode Disturbance (new standard)
PINS Date: Dec 15, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 25, 2018 | Approved

PINS Date: Jan 28, 2022 | Public Review Date: Mar 4, 2022 | Final Action Date: May 6, 2022 | Approved

PINS Date: Jan 28, 2022 | Public Review Date: Mar 4, 2022 | Final Action Date: May 6, 2022 | Approved

PINS Date: Jan 28, 2022 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 8, 2022 | Approved

## ANSI/SCTE 250-2020, Real-time Event Signaling and Management API (revision of ANSI/SCTE 250-2019)
PINS Date: Jan 24, 2020 | Public Review Date: Mar 6, 2020 | Final Action Date: May 7, 2020 | Approved
SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Apr 17, 2015 | Public Review Date: Nov 16, 2018 | Final Action Date: Feb 5, 2019 | Approved

- 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

  PINS Date: Aug 31, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 10, 2019 | Approved

- 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)
  PINS Date: Jul 10, 2020 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 26, 2020 | Approved

  Public Review Date: Dec 3, 2021 | Final Action Date: Feb 7, 2022 | 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)
  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Jan 28, 2021 | Approved

  PINS Date: Sep 11, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 1, 2021 | Approved

  PINS Date: Sep 18, 2020 | Public Review Date: Oct 23, 2020 | Final Action Date: May 5, 2022 | Approved
# SCTE (Society of Cable Telecommunications Engineers)

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<td>DOCSIS 4.0 Part 3: Cable Modem Operations Support System Interface Specification (new standard)</td>
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<td>ANSI/SCTE 267-2021</td>
<td>Optimum Load Shaping for Electric Vehicle and Battery Charging (new standard)</td>
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<td>Test Procedure for F Port Center Conductor Retention Force (new standard)</td>
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<td>Requirements for Power Sensing in Cable and Utility Networks (new standard)</td>
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<td>Standardized Loading for Reverse-Path Bit Error Ratio Testing (new standard)</td>
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<td>Linear Contribution Encoding Specification (new standard)</td>
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<td>ANSI/SCTE 29-2018</td>
<td>Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012)</td>
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  PINS Date: Jan 15, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  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

  Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Jun 8, 2018 | Final Action Date: Feb 5, 2019 | Approved

  PINS Date: Feb 5, 2021 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | 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

  PINS Date: Feb 15, 2013 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved
Approved American National Standards

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- ANSI/SCTE 38-6-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition  
  (revision of ANSI/SCTE 38-6-2012)  
  PINS Date: Nov 24, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

- ANSI/SCTE 38-7-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-Transponder Interface Bus (TIB)-MIB Management Information Base (MIB) Definition  
  (revision of ANSI/SCTE 38-7-2008)  
  PINS Date: Feb 15, 2013 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

- ANSI/SCTE 38-8-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-DOWNLOAD-MIB Management Information Base (MIB) Definition  
  (revision of ANSI/SCTE 38-8-2009)  
  PINS Date: Apr 24, 2015 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

  (reaffirmation of ANSI/SCTE 39-2013)  
  PINS Date: Mar 2, 2018 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | 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

  (reaffirmation of ANSI/SCTE 43-2015)  
  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/SCTE 44-2018, Test Method for DC Loop Resistance  
  (revision of ANSI/SCTE 44-2010)  
  PINS Date: Apr 17, 2015 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 18, 2018 | Approved

- ANSI/SCTE 45-2017, Test Method for Group Delay  
  (revision of ANSI/SCTE 45-2012)  
  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

- ANSI/SCTE 48-1-2021, Test Method for Measuring Shielding Effectiveness of Passive and Active Devices Using a GTEM Cell  
  (revision of ANSI/SCTE 48-1-2015)  
  PINS Date: Aug 16, 2019 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 48-3-2022, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell  
  (revision of ANSI/SCTE 48-3-2018)  
  PINS Date: Jan 28, 2022 | Public Review Date: May 13, 2022 | Final Action Date: Jul 12, 2022 | Approved

- ANSI/SCTE 49-2011 (R2021), Test Method for Velocity of Propagation  
  (reaffirmation of ANSI/SCTE 49-2011)  
  PINS Date: Dec 25, 2015 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/SCTE 51-2018, Method for Determining Drop Cable Braid Coverage  
  (revision of ANSI/SCTE 51-2012)  
  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  (revision of ANSI/SCTE 52-2013)  
  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved
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<td>62-2018</td>
<td>Measurement Procedure for Noise Figure</td>
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<td>Test Method For Coaxial Cable Impedance</td>
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<td>68-2018</td>
<td>Drop Passives: Matching Transformers 75 Ohm to 300 Ohm</td>
<td>Mar 2, 2018</td>
<td>May 25, 2018</td>
<td>Feb 5, 2019</td>
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- 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

  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 (R2022), Test Method for Low Frequency and Spurious Disturbances (reaffirmation of ANSI/SCTE 82-2012)
  PINS Date: Dec 17, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 83-3-2017, Hybrid Fiber/Coax Inside Plant Status Monitoring SCTE-HMS-HMTS-MIB (revision of ANSI/SCTE 83-3-2009)
  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
**SCTE (Society of Cable Telecommunications Engineers)**

- **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

- **ANSI/SCTE 87-2017, Graphic Symbols for Cable Systems** (revision and redesignation of ANSI/SCTE 87-1-2008)
  - PINS Date: Jul 26, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 20, 2017 | Approved

- **ANSI/SCTE 88-2012 (R2021), Test Methods for Polyethylene Jacket Longitudinal Shrinkage** (reaffirmation of ANSI/SCTE 88-2012)
  - PINS Date: May 12, 2017 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  - PINS Date: Dec 6, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Jun 4, 2015 | Approved

  - PINS Date: Dec 31, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- **ANSI/SCTE 93-2020, Test Method For Connector/Cable Twist** (revision of ANSI/SCTE 93-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 18, 2022 | 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: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved

- **ANSI/SCTE 96-2020, Cable Telecommunications Testing Guidelines** (revision of ANSI/SCTE 96-2013)
  - PINS Date: Sep 7, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 8, 2020 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Oct 30, 2020 | Final Action Date: Jan 7, 2021 | Approved
### SCTE (Society of Cable Telecommunications Engineers)

  - PINS Date: Sep 7, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Aug 20, 2019 | Approved

### SDI (ASC A250) (Steel Door Institute)

- **ANSI A250.10-2020, Test Procedure & Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors & Frames** (revision of ANSI A250.10-2011)
  - PINS Date: Jul 22, 2016 | Public Review Date: Dec 20, 2019 | Final Action Date: Jun 24, 2020 | Approved

- **ANSI A250.11-2022, Recommended Erection Instructions for Steel Frames** (revision of ANSI A250.11-2012)
  - PINS Date: Jun 9, 2017 | Public Review Date: Jan 14, 2022 | Final Action Date: Mar 17, 2022 | Approved

  - PINS Date: Jul 22, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 14, 2019 | Approved

- **ANSI A250.4-2018, Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors** (revision of ANSI A250.4-2011)
  - PINS Date: Jul 22, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 10, 2018 | Approved

- **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

  - 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
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<td>8405 Colesville Road, Suite 500, Silver Spring, MD  20910</td>
<td><a href="http://www.siaonline.org">www.siaonline.org</a></td>
<td>ANSI/SIA CP-01-2019, Security System Standard - Features for False Alarm Reduction (revision of ANSI/SIA CP-01 -2014) PINS Date: Dec 21, 2018</td>
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<td>SIMA (Snow and Ice Management Association)</td>
<td>10140 N. Port Washington Road, Milwaukee, WI  53092</td>
<td><a href="http://www.sima.org">http://www.sima.org</a></td>
<td>ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard) PINS Date: Jul 5, 2019</td>
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### SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

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<td>ANSI/SPRI IA-1-2021, Standard Field Test Procedure for Verifying the Suitability of Roof Substrates and Adhesives</td>
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  - PINS Date: Jan 7, 2022 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 6, 2022 | 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)**

- 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)**

- 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 1009 om-2022, Tensile strength and elongation at break for fiber glass mats (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 1012 om-2015, Moisture content of fiber glass mats (revision of ANSI/TAPPI T 1012 om-2010)
  - PINS Date: Sep 19, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Jun 9, 2015 | Approved
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 1013 om-2010, Loss on ignition 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 1014 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 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 (R2022), Average fiber diameter of fiber glass mats (reaffirmation of ANSI/TAPPI T 1016 om-2010)
  PINS Date: May 24, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | 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)
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  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
TAPPI (Technical Association of the Pulp and Paper Industry)

- 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 211 om-2022, Ash in wood, pulp, paper and paperboard: combustion at 525C (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | 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

  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)
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- ANSI/TAPPI T 222 om-2021, Acid insoluble lignin in wood and pulp (new standard)
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- ANSI/TAPPI T 227 om-2021, Freeness of pulp (Canadian standard method) (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/TAPPI T 236 om-2013, Kappa number of pulp (new standard)
  PINS Date: Oct 8, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 20, 2013 | Approved

- ANSI/TAPPI T 240 om-2020, Consistency (concentration) of pulp suspensions (revision of ANSI/TAPPI T 240 om-2012)
  PINS Date: Jul 1, 2016 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

  PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 252 om-2012, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard (new standard)
  PINS Date: May 13, 2011 | Public Review Date: Aug 26, 2011 | Final Action Date: Jun 18, 2012 | Approved
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ANSI/TAPPI T 257 sp-2014 (R2021), Sampling and preparing wood for analysis (reaffirmation of ANSI/TAPPI T 257 sp-2014)
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ANSI/TAPPI T 258 om-2021, Basic density and moisture content of pulpwood (new standard)
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ANSI/TAPPI T 262 sp-2012 (R2018), Units of measurement and conversion factors (reaffirmation of ANSI/TAPPI T 262 sp-2012)
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ANSI/TAPPI T 266 om-2018, Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (new standard)
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ANSI/TAPPI T 268 om-2013 (R2022), Weight-volume measurement of pulpwood (reaffirmation of ANSI/TAPPI T 268 om-2013)
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ANSI/TAPPI T 274 sp-2013, Laboratory screening of pulp (MasterScreen-type instrument) (new standard)
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- 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 435 om-2022, Hydrogen ion concentration (pH) of paper extracts (hot extraction method) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 16, 2022 | 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 absorptiveness 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: Jan 29, 2021 | 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

- ANSI/TAPPI T 452 om-2018, Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (new standard)
  PINS Date: Mar 23, 2012 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 12, 2018 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

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  PINS Date: May 17, 2019 | Public Review Date: Mar 11, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 459 om-2021, Surface strength of paper (wax pick test) (revision of ANSI/TAPPI T 459 om-2013)
  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

- 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
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#### TAPPI (Technical Association of the Pulp and Paper Industry)

- **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-2022**, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration)  (revision of ANSI/TAPPI T 489 om-2015)  
  PINS Date: Jul 2, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 16, 2022 | 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

  PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | 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-2012)  
  PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

- **ANSI/TAPPI T 509 om-2022**, Hydrogen ion concentration (pH) of paper extracts (cold extraction method)  (new standard)  
  PINS Date: May 17, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | 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

  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)  
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<td>PINS Date: Jul 30, 2021</td>
<td>Public Review Date: Jan 28, 2022</td>
<td>Final Action Date: Jun 14, 2022</td>
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<tr>
<td>ANSI/TAPPI T 556 om-2021</td>
<td>Bending resistance of paper and paperboard by single-point bending methods (new standard)</td>
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<td>PINS Date: Mar 27, 2020</td>
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<td>ANSI/TAPPI T 558 om-2010 (R2020)</td>
<td>Surface Wettability And Absorbency Of Sheeted Materials Using An Automated Contact Angle Tester (reaffirmation of ANSI/TAPPI T 558 om-2010 (R2015))</td>
<td>Approved</td>
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<tr>
<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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<tr>
<td>ANSI/TAPPI T 562 om-2021</td>
<td>CIE whiteness and tint of paper and paperboard (45/0 geometry, C/2 illuminant/observer) (new standard)</td>
<td>Approved</td>
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<tr>
<td>ANSI/TAPPI T 563 om-2015 (R2021)</td>
<td>Equivalent black area (EBA) and count of visible dirt in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 563 om-2015)</td>
<td>Approved</td>
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<td>ANSI/TAPPI T 564 sp-20212x</td>
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<td>ANSI/TAPPI T 568 om-2012 (R2018)</td>
<td>Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012)</td>
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<td>ANSI/TAPPI T 569 om-2022</td>
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<td>Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus (reaffirmation of ANSI/TAPPI T 572 sp-2013)</td>
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<td>ANSI/TAPPI T 573 sp-2021</td>
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<td>Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus (new standard)</td>
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<td>ANSI/TAPPI T 646 om-2022</td>
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<td>ANSI/TAPPI T 815 om-2012</td>
<td>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)</td>
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## TAPPI (Technical Association of the Pulp and Paper Industry)

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<td>Determining construction (nominal basis weight) of corrugated board (new standard)</td>
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## TCATA (Textile Care Allied Trades Association)

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## TCIA (ASC A300) (Tree Care Industry Association)

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## TCIA (ASC A300) (Tree Care Industry Association)

  - PINS Date: Nov 20, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 10, 2018 | Approved

  - PINS Date: Jun 17, 2011 | Public Review Date: Dec 21, 2012 | Final Action Date: May 6, 2013 | Approved

  - 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

- **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: Aug 10, 2018 | Final Action Date: May 21, 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)

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

- **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

  - Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved
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TCNA (ASC A108) (Tile Council of North America)

- 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

  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A108.16-2020, Installation of Paper-Faced, BackMounted, EdgeMounted, or Clear Film FaceMounted GlassMosaic Tile (revision of ANSI A108.16-2005 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 25, 2020 | Approved

  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI A108.18-2021, Unmounted Glass Tile Installation (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Jul 21, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  PINS Date: Nov 11, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Jul 21, 2017 | Public Review Date: Jun 5, 2020 | Final Action Date: Oct 9, 2020 | Approved

- ANSI A108.21-2021, Interior Installation of 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 A108.4-2019, Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-Setting Epoxy Adhesive (new standard)

PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

## ANSI A108.5-2021, 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)

PINS Date: Apr 2, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 3, 2021 | Approved


Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

## ANSI A108.8-1999 (R2019), Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout (reaffirmation of ANSI A108.8-1999 (R2010))

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 A118.1-2019, Standard Specifications for Dry-Set Cement Mortar (revision of ANSI A118.1-2018)

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 (R2022), Standard Specifications for EGP (Exterior Glue Plywood) Modified Dry-set Mortar (reaffirmation of ANSI A118.11-2017)

Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | 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
TCNA (ASC A108) (Tile Council of North America)

- 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

- ANSI A118.9-2019, Standard Specifications for Test Methods and Specifications for Cementitious Backer Units (revision of ANSI A118.9-1999 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 27, 2020 | Approved

  PINS Date: Sep 13, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 16, 2017 | Approved

  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved

- ANSI A137.1-2022, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2021)
  Public Review Date: Dec 31, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI A137.2-2018, Standard Specification for Glass Tile (revision of ANSI A137.2-2013)
  Public Review Date: Feb 2, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI A137.2-2019, Standard Specification for Glass Tile (revision of ANSI A137.2-2013)
  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved

- ANSI A137.2-2021, Standard Specification for Glass Tile (revision of ANSI A137.2-2019)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A137.2-2022, Standard Specifications for Glass Tile (revision of ANSI A137.2-2021)
  Public Review Date: Dec 31, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI A137.3-2017, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (new standard)
  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
TCNA (ASC A108) (Tile Council of North America)

- ANSI A137.3-2022, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2021)
  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  PINS Date: Feb 24, 2012 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Apr 15, 2016 | Public Review Date: Sep 16, 2016 | Final Action Date: Mar 22, 2017 | Approved

  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

  PINS Date: Aug 3, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: May 23, 2019 | Approved

  PINS Date: Jan 24, 2014 | Public Review Date: Aug 15, 2014 | Final Action Date: Jan 7, 2015 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Mar 17, 2020 | Approved

- 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: Aug 4, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 26, 2019 | Approved

- 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 7, 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

  PINS Date: Nov 10, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Apr 16, 2019 | Approved
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<td>IEC 62005-7: Reliability of Fibre Optic Interconnecting Devices and Passive Components - Part 7: Life Stress Modeling</td>
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<td>Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling</td>
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<td>Measurement Methods and Test Fixtures for Balun-Less Measurements of Balanced Components and Systems, Extending Frequency Capabilities to 2 GHz.</td>
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- PINS Date: Jun 11, 2010 | Public Review Date: Nov 5, 2010 | Final Action Date: Feb 11, 2011 | Approved

- Public Review Date: Jun 10, 2016 | Final Action Date: Aug 3, 2016 | Approved

- Public Review Date: Jul 11, 2014 | Final Action Date: Oct 20, 2014 | Approved

- 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

**ANSI/TIA 222-G-4-2014, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 4 (addenda to ANSI/TIA 222-G-2005 (R2012))**
- PINS Date: May 23, 2014 | Public Review Date: Jul 11, 2014 | Final Action Date: Dec 15, 2014 | Approved

- PINS Date: Jun 14, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- PINS Date: Dec 14, 2012 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 5, 2017 | Approved

- 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

- Public Review Date: Jul 13, 2012 | Final Action Date: Dec 20, 2012 | Approved

- Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

- PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

- Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved
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<td>ANSI/TIA 41.322-E-2007 (R2013)</td>
<td>Mobile Application Part (MAP) - Voice Feature Scenarios: Call Forwarding</td>
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<td>ANSI/TIA 41.323-E-2007 (R2013)</td>
<td>Mobile Application Part (MAP) - Voice Feature Scenarios: Call Waiting</td>
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<td>ANSI/TIA 41.324-E-2007 (R2013)</td>
<td>Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction  (addenda to ANSI/TIA 41.324-E-2007)</td>
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<td>ANSI/TIA 41.330-E-2012</td>
<td>Mobile Application Part (MAP) - Voice Feature Scenarios: Password Call Acceptance / Selective Call Acceptance  (new standard)</td>
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<td>TIA.335-E-2012</td>
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<td>TIA.520-E-1</td>
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# ANSI/TIA 41.550-E-2 [E]-2012
Mobile Application Part (MAP) - Parameters Signaling Protocols (addenda to ANSI/TIA 41.550-E-2004 (R2010))
PINS Date: Mar 13, 2009 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

# ANSI/TIA 41.550-E-2004 (R2010)
Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

# ANSI/TIA 41.550-E-3 [E]-2012
Mobile Application Part (MAP) - PARAMETERS SIGNALING PROTOCOLS (addenda to ANSI/TIA 41.550-E-2004)
PINS Date: Jun 26, 2009 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

# ANSI/TIA 41.551-E-2004 (R2010)
Mobile Application Part - Parameter Types Signaling Protocols (reaffirmation of ANSI/TIA 41.551-E-2004)
Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

# ANSI/TIA 41.590-E-2004 (R2010)
Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

# ANSI/TIA 41.600-E-2005 (R2012)
Wireless Radiotelecommunications Intersystems - Introduction to Procedures (reaffirmation of ANSI/TIA 41.600-E-2005)
PINS Date: Nov 18, 2011 | Public Review Date: Mar 30, 2012 | Final Action Date: Jun 22, 2012 | Approved

# ANSI/TIA 41.630-E-1 [E]-2012
Mobile Application Part (MAP) - Basic Call Processing (addenda to ANSI/TIA 41.630-E-2005)
PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

# ANSI/TIA 41.630-E-2 [E]-2012
Mobile Application Part: Basic Call Processing (addenda to ANSI/TIA 41.630-E-2005)
Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

# ANSI/TIA 41.630-E-2005 (R2012)
Wireless Radiotelecommunications Intersystem - Basic Call Procedures (reaffirmation of ANSI/TIA 41.630-E-2005)
Public Review Date: Nov 25, 2011 | Final Action Date: Apr 12, 2012 | Approved

# ANSI/TIA 41.640-E-1 [E]-2012
Mobile Application Part (MAP) - Intersystem Operations (addenda to ANSI/TIA 41.640-E-2005)
PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

# ANSI/TIA 41.640-E-2005 (R2012)
Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

# ANSI/TIA 41.641-E-1 [E]-2012
Mobile Application Part (MAP) - SMS (addenda to ANSI/TIA 41.641-E-2005)
PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

# ANSI/TIA 41.641-E-2005 (R2012)
Wireless Radiotelecommunications Intersystems - SMS (reaffirmation of ANSI/TIA 41.641-E-2005)
Public Review Date: Nov 25, 2011 | Final Action Date: Apr 13, 2012 | Approved

# ANSI/TIA 41.642-E-2005 (R2012)
Wireless Radiotelecommunications Intersystem - Segmentation (reaffirmation of ANSI/TIA 41.642-E-2005)
Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

# ANSI/TIA 41.650-E-2005 (R2012)
Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved
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<td>PINS Date: Apr 13, 2007</td>
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<td>ANSI/TIA 41.691-E-2 [E]-2012, Mobile Application Part (MAP) - Annexes for the 6XX Series (addenda to BSR/TIA 41.691-E-200x)</td>
<td>PINS Date: Apr 20, 2007</td>
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<td>Public Review Date: Aug 21, 2009</td>
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<td>ANSI/TIA 440-C-2017, Fiber Optic Terminology (revision and redesignation of ANSI/TIA 440-B-2004 (R2013))</td>
<td>PINS Date: Jul 5, 2013</td>
<td>Public Review Date: Mar 17, 2017</td>
<td>Final Action Date: Jul 12, 2017</td>
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<td>ANSI/TIA 455-104-B-2016, FOTP 104- Fiber Optic Cable Cyclic Flexing Test (revision and redesignation of ANSI/TIA 455-104-A-1993 (R2013))</td>
<td>PINS Date: May 22, 2015</td>
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  Public Review Date: Jun 27, 2014 | Final Action Date: Dec 5, 2014 | Approved

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  Public Review Date: Aug 22, 2014 | Final Action Date: Dec 5, 2014 | Approved

  (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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  Public Review Date: Feb 10, 2012 | Final Action Date: Apr 4, 2013 | Approved

  Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

- ANSI/TIA 455-204-A-2013, FOTP-204 - Measurement of Bandwidth on Multimode Fiber (identical national adoption of IEC 60793-1-41)
  PINS Date: Apr 15, 2011 | Public Review Date: Mar 22, 2013 | Final Action Date: Oct 1, 2013 | Approved
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<td>ANSI/TIA 455-244-A-2020, Methods</td>
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  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

- 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

  PINS Date: Dec 21, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Nov 26, 2013 | 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

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  PINS Date: Apr 10, 2020 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 21, 2020 | Approved

  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

  PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 20, 2017 | Approved

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  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)
  PINS Date: Feb 19, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 6, 2017 | Approved

  PINS Date: Sep 23, 2011 | Public Review Date: Jul 27, 2012 | Final Action Date: Mar 26, 2013 | Approved

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- 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

  - PINS Date: Nov 2, 2018 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 3, 2022 | Approved

- ANSI/TIA 5017-2016, Telecommunications - Physical Network Security Standard (new standard)
  - PINS Date: Jul 4, 2014 | Public Review Date: Dec 25, 2015 | Final Action Date: Feb 19, 2016 | Approved

- ANSI/TIA 5041-2016, FAST Digital IF Architecture and Open Standard Digital IF Interfaces (new standard)
  - PINS Date: Aug 14, 2015 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 20, 2016 | Approved

- ANSI/TIA 5045-2017, Numeric Identifier for Conventional Analog Operation (new standard)
  - PINS Date: Mar 4, 2016 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/TIA 5048-1-2021, Automated infrastructure management (AIM) systems Requirements, data exchange and applications, Addendum 1: Adoption of ISO/IEC 18598 AMD1 ED1 (addenda to ANSI/TIA 5048-2017)
  - PINS Date: Nov 13, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Jun 11, 2021 | Approved

- ANSI/TIA 5048-2017, Automated Infrastructure Management (AIM) Systems - Requirements, Data Exchange and Applications (national adoption with modifications of ISO/IEC 18598)
  - PINS Date: Oct 28, 2016 | Public Review Date: Mar 3, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/TIA 5050-2018, Telecommunications, Communications Products, Receive Volume Control Requirements for Wireless (Mobile) Devices (new standard)
  - PINS Date: Nov 4, 2016 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/TIA 5071-2022, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling (new standard)
  - PINS Date: Oct 11, 2019 | Public Review Date: Apr 15, 2022 | Final Action Date: Jun 16, 2022 | Approved

  - PINS Date: Jul 19, 2013 | Public Review Date: Dec 12, 2014 | Final Action Date: Feb 26, 2015 | Approved

  - PINS Date: Jan 23, 2015 | Public Review Date: Apr 17, 2015 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/TIA 526-28-2021, Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces (identical national adoption of IEC 61280-4-5)
  - PINS Date: Jan 1, 2021 | Public Review Date: Mar 26, 2021 | Final Action Date: Aug 30, 2021 | Approved

  - PINS Date: Oct 1, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: May 11, 2022 | Approved
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- ANSI/TIA 568-C.0-1-2010, Generic Telecommunications Cabling for Customer Premises-Addendum 1, Updated Reference for Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568-C.0-2009)
  PINS Date: May 7, 2010 | Public Review Date: Jun 4, 2010 | Final Action Date: Sep 1, 2010 | Approved

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  PINS Date: Nov 2, 2018 | Public Review Date: Oct 11, 2019 | Final Action Date: Mar 24, 2020 | Approved

- ANSI/TIA 568.2-D-1-2019, Balun Requirements for Category 8 Testing (addenda to ANSI/TIA 568.2-D-2018)
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  PINS Date: Jan 22, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/TIA 568.3-D-1-2019, Optical Fiber Cabling Component Standard- Addendum 1 General Updates (addenda to ANSI/TIA 568-D-3-2016)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/TIA 568.3-D-2016, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568-C.3-2008)
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- ANSI/TIA 568.4-E-2022, Broadband Coaxial Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.4-D-2017)
  PINS Date: Feb 11, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/TIA 568.5-2022, IP Data Bearer Service Specification (revision and redesignation of ANSI/TIA 102.BAEB-B-2014)
  PINS Date: Jul 5, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Dec 16, 2019 | Approved

- ANSI/TIA 568.5-2022, Single balanced twisted-pair cabling and components standard (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Oct 29, 2021 | Final Action Date: Feb 14, 2022 | Approved

- ANSI/TIA 569-C-2012, Telecommunications Pathways and Spaces (new standard)
  PINS Date: Nov 12, 2010 | Public Review Date: Aug 5, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 569-D-1-2016, Telecommunications Pathways and Spaces: Addendum 1 - Revised Temperature and Humidity Requirements for Telecommunications Spaces (addenda to ANSI/TIA 569-D-2015)
  PINS Date: Jul 1, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 21, 2016 | Approved

  PINS Date: Jul 1, 2016 | Public Review Date: Feb 16, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/TIA 569-E-1-2022, Telecommunications Pathways and Spaces Addendum 1: Revised Temperature and Humidity Guidelines for Telecommunications Spaces (addenda to ANSI/TIA 569-E-2019)
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- ANSI/TIA 570-D-2018, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012)
  PINS Date: Mar 10, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI/TIA 571-C-2015, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)
  PINS Date: May 4, 2012 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 27, 2015 | Approved

- 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)
  PINS Date: Dec 12, 2014 | Public Review Date: Apr 20, 2018 | Final Action Date: Aug 10, 2018 | Approved

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- ANSI/TIA 598-D-2014, Optical Fiber Cable Coding (revision and redesignation of ANSI/TIA 598-C-2005)
  PINS Date: Jan 27, 2012 | Public Review Date: Sep 6, 2013 | Final Action Date: Jul 9, 2014 | Approved

- ANSI/TIA 603-E-2016, Land Mobile FM or PM - Communications Equipment - Measurement and Performance Standards (revision and redesignation of ANSI/TIA 603-D-2010)
  Public Review Date: Oct 23, 2015 | Final Action Date: Mar 2, 2016 | Approved

- ANSI/TIA 604-10C-2021, FOCIS-10 - Fiber Optic Connector Intermateability Standard, Type LC (revision and redesignation of ANSI/TIA 604-10B-2008 (R2015))
  PINS Date: Mar 13, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 29, 2021 | Approved
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- ANSI/TIA 604-19-2021, FOCIS 19-Fiber Optic Connector Intermateability Standard Type: CS Connector (new standard)
  PINS Date: Nov 17, 2017 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 30, 2021 | Approved

- ANSI/TIA 604-5-F-2019, FOCIS 5-Fiber Optic Connector Intermateability Standard Type MPO (new standard)
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  PINS Date: Jul 4, 2014 | Public Review Date: Mar 13, 2015 | Final Action Date: Dec 23, 2015 | Approved

- ANSI/TIA 606-D-2021, Administration Standard For Telecommunications Infrastructure (revision and redesignation of ANSI/TIA 606-C-2017)
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  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

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- 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

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### ANSI/TIA 664-504-B-2007 (R2013), Wireless Features Description: Call Forwarding—No Answer (CFNA)
- Public Review Date: Sep 7, 2012
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### ANSI/TIA 664-505-B-2007 (R2013), Wireless Features Description: Call Forwarding—Unconditional (CFU)
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### ANSI/TIA 664-506-B-2007 (R2013), Wireless Features Description: Call Transfer (CT)
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### ANSI/TIA 664-507-B-2007 (R2012), Wireless Features Description: Call Waiting (CW)
- Public Review Date: Sep 7, 2012
- Final Action Date: Dec 20, 2012
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### ANSI/TIA 664-508-B-2007 (R2013), Wireless Features Description: Calling Number Identification Presentation (CNIP)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 24, 2013
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### ANSI/TIA 664-509-B-2007 (R2013), Wireless Features Description: Calling Number Identification Restriction (CNIR)
- Public Review Date: Sep 7, 2012
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- Approved

### ANSI/TIA 664-510-B-2007 (R2013), Wireless Features Description: Conference Calling (CC)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 24, 2013
- Approved

### ANSI/TIA 664-511-B-2007 (R2013), Wireless Features Description: Do Not Disturb (DND)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved

### ANSI/TIA 664-512-B-2007 (R2013), Wireless Features Description: Flexible Alerting (FA)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved

### ANSI/TIA 664-513-B-2007 (R2013), Wireless Features Description: Message Waiting Notification (MWN)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved

### ANSI/TIA 664-514-B-2007 (R2013), Wireless Features Description: Mobile Access Hunting (MAH)
- Public Review Date: Sep 7, 2012
- Final Action Date: Apr 4, 2013
- Approved

### ANSI/TIA 664-515-B-2007 (R2013), Wireless Features Description: Password Call Acceptance (PCA)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved

### ANSI/TIA 664-516-B-2007 (R2013), Wireless Features Description: Preferred Language (PL)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved

### ANSI/TIA 664-517-B-2007 (R2013), Wireless Features Description: Priority Access and Channel Assignment (PACA)
- Public Review Date: Sep 7, 2012
- Final Action Date: Jan 28, 2013
- Approved
TIA (Telecommunications Industry Association)

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 28, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/TIA 664-525-B-2007 (R2013), Wireless Features Description: Asynchronous Data Service (ADS) (reaffirmation of ANSI/TIA 664-525-B-2007)
  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/TIA 664-526-B-2007 (R2013), Wireless Features Description: Calling Name Presentation (CNAP) (reaffirmation of ANSI/TIA 664-526-B-2007)
  
  Public Review Date: Feb 1, 2013 | Final Action Date: Apr 4, 2013 | Approved

- ANSI/TIA 664-527-B-2007 (R2013), Wireless Features Description: Calling Name Presentation (CNAP) (reaffirmation of ANSI/TIA 664-527-B-2007)
  
  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 6, 2013 | Approved

- ANSI/TIA 664-528-B-2007 (R2013), Wireless Features Description: Data Privacy (DP) (reaffirmation of ANSI/TIA 664-528-B-2007)
  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/TIA 664-530-B-2007 (R2013), Wireless Features Description: Group 3 Facsimile Service (G3 Fax) (reaffirmation of ANSI/TIA 664-530-B-2007)
  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

  
  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved
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- ANSI/TIA 920.130-B-2018, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)
  PINS Date: May 24, 2013 | Public Review Date: Dec 29, 2017 | Final Action Date: Apr 17, 2018 | Approved

  Public Review Date: Feb 19, 2016 | Final Action Date: Apr 12, 2016 | Approved

  Public Review Date: Jul 13, 2012 | Final Action Date: Oct 19, 2012 | Approved

  PINS Date: Mar 2, 2012 | Public Review Date: Nov 9, 2012 | Final Action Date: Mar 26, 2013 | Approved

- 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
### Approved American National Standards

**TIA (Telecommunications Industry Association)**

  
  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

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**TMA (The Monitoring Association)**

- 7918 Jones Branch Drive, Suite 510, McLean, VA 22102 | w: www.csaaul.org

  
  PINS Date: Aug 27, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Mar 24, 2022 | Approved

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**TNI (The NELAC Institute)**

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

- 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

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**TOY-TIA (Toy Industry Association)**

- 1115 Broadway, Suite 400, New York, NY 10010 | w: www.toyassociation.org

  
  PINS Date: Aug 6, 2010 | Public Review Date: Aug 31, 2012 | Final Action Date: Nov 26, 2012 | Approved
TPI (Truss Plate Institute)
2670 Crain Highway, Suite 203, Waldorf, MD 20601 | w: www.tpinst.org

  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)
30200 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org

- 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

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

- ANSI B74.10-2015, Specification for Grading of Abrasive Grain (revision of ANSI B74.10-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Aug 21, 2015 | Final Action Date: Oct 30, 2015 | Approved

- ANSI B74.11-2020, Specifications for Random Shaped Tumbling Chip Abrasives (revision of ANSI B74.11-2014)
  PINS Date: Mar 6, 2020 | Public Review Date: Apr 24, 2020 | Final Action Date: Nov 10, 2020 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Mar 30, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI B74.13-2016, Markings for Identifying Grinding Wheels and Other Bonded Abrasives (revision of ANSI B74.13-1990 (R2007))
  PINS Date: Feb 21, 2014 | Public Review Date: Nov 13, 2015 | Final Action Date: Oct 21, 2016 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI B74.15-1992 (R2013), Methods of Chemical Analysis of Silicon Carbide Abrasive Grain and Abrasive Crude (reaffirmation of ANSI B74.15-1992 (R2007))
  Public Review Date: Apr 20, 2012 | Final Action Date: Feb 27, 2013 | Approved

- ANSI B74.16-2002 (R2014), Checking the Size of Diamond and Cubic Boron Nitride Abrasive Grain (reaffirmation of ANSI B74.16-2002 (R2007))
  Public Review Date: Apr 19, 2013 | Final Action Date: Feb 6, 2014 | Approved

- ANSI B74.18-2018, Grading of Certain Abrasive Grain on Coated Abrasive Material (revision of ANSI B74.18-2016)
  PINS Date: Oct 13, 2017 | Public Review Date: Dec 29, 2017 | Final Action Date: Apr 5, 2018 | Approved

- ANSI B74.19-2016, Test for Determining the Magnetic Content of Abrasive Grains (revision of ANSI B74.19-2002 (R2007))
  PINS Date: May 17, 2013 | Public Review Date: Nov 6, 2015 | Final Action Date: May 23, 2016 | Approved
### UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)

- **ANSI B74.20-2004 (R2016), Specification for Diamond and CBN Powders in Sub-Sieve Sizes** (reaffirmation of ANSI B74.20-2004 (R2010))
  - Public Review Date: Nov 6, 2015 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI B74.21-2002 (R2014), Fatigue Proof Test Procedure for Vitrified Wheels** (reaffirmation of ANSI B74.21-2002 (R2007))
  - Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

- **ANSI B74.22-1991 (R2014), Design Test for Type 27 Portable Grinding Wheels** (reaffirmation of ANSI B74.22-1991 (R2007))
  - Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

  - Public Review Date: Apr 19, 2013 | Final Action Date: Feb 6, 2014 | Approved

- **ANSI B74.24-2016, Specification for Abrasive Materials for Blasting** (new standard)
  - PINS Date: Apr 11, 2014 | Public Review Date: May 6, 2016 | Final Action Date: Oct 21, 2016 | Approved

- **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

### ULSE (UL Standards & Engagement)

  - Public Review Date: Feb 11, 2022 | Final Action Date: Jun 15, 2022 | Approved

  - Public Review Date: Mar 4, 2022 | Final Action Date: Jun 10, 2022 | Approved

  - Public Review Date: Mar 4, 2022 | Final Action Date: Jun 10, 2022 | Approved

- **ANSI/AAMI/UL 2800-1-2019, Standard for Safety for Medical Device Interoperability** (new standard)
  - PINS Date: May 13, 2011 | Public Review Date: Sep 21, 2018 | Final Action Date: Feb 25, 2019 | Approved

  - Public Review Date: Mar 4, 2022 | Final Action Date: Jun 10, 2022 | Approved

  - Public Review Date: Mar 4, 2022 | Final Action Date: Jun 10, 2022 | Approved
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  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 30, 2016 | Approved

  Public Review Date: Mar 13, 2020 | Final Action Date: May 6, 2020 | Approved

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

- ANSI/UL 1004-7-2016, Standard for Safety for Electronically Protected Motors (Proposal dated 3-11-16) (revision of ANSI/UL 1004-7-2015)
  Public Review Date: Mar 11, 2016 | Final Action Date: May 23, 2016 | Approved

- ANSI/UL 1004-7-2017 (R2022), Standard for Electronically Protected Motors (reaffirmation of ANSI/UL 1004-7-2017)
  Public Review Date: Jun 17, 2022 | Final Action Date: Aug 10, 2022 | 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

  Public Review Date: Jan 19, 2018 | Final Action Date: Sep 14, 2018 | Approved

  Public Review Date: Jun 15, 2018 | Final Action Date: Sep 14, 2018 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Jul 13, 2022 | Approved

  Public Review Date: May 27, 2016 | Final Action Date: Sep 5, 2017 | Approved

  Public Review Date: May 5, 2017 | Final Action Date: Sep 5, 2017 | Approved

  Public Review Date: Dec 6, 2019 | Final Action Date: Feb 18, 2020 | Approved

  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 19, 2018 | Approved

  Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | Approved

  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
ULSE (UL Standards & Engagement)

- 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

  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

  Public Review Date: Mar 11, 2016 | Final Action Date: Aug 1, 2016 | Approved

- 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

  Public Review Date: Jul 21, 2017 | Final Action Date: Aug 24, 2017 | Approved

  Public Review Date: Oct 13, 2017 | Final Action Date: Feb 2, 2018 | Approved

  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
| Standard | Title | Revision Status |
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<p>| ANSI/UL 1029-2012 | Standard for High-Intensity-Discharge Lamp Ballasts | (reaffirmation of ANSI/UL 1029-2012 (R2017)) | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 24, 2021 | Approved |
| ANSI/UL 103-2012 | Standard for Safety for Factory-Built Chimneys for Residential Type and Building Heating Appliances | (reaffirmation of ANSI/UL 103-2012 (R2017)) | Public Review Date: Apr 15, 2022 | Final Action Date: Jul 15, 2022 | Approved |
| ANSI/UL 1037-2016 | Standard for Safety for Antitheft Alarms and Devices | (revision of ANSI/UL 1037-2004 (R2009)) | Public Review Date: Jan 16, 2015 | Final Action Date: Sep 9, 2016 | Approved |
| ANSI/UL 1037-2017 | Standard for Safety for Antitheft Alarms and Devices | (revision of ANSI/UL 1037-2016) | Public Review Date: May 19, 2017 | Final Action Date: Sep 15, 2017 | Approved |
| ANSI/UL 1046-2022 | Standard for Grease Filters for Exhaust Ducts | (revision of BSR/UL 1046-202x) | Public Review Date: May 13, 2022 | Final Action Date: Jun 22, 2022 | Approved |</p>
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  Public Review Date: Mar 10, 2017 | Final Action Date: Sep 29, 2017 | Approved

  Public Review Date: Aug 4, 2017 | Final Action Date: Sep 29, 2017 | Approved

  Public Review Date: Apr 15, 2022 | Final Action Date: Jul 6, 2022 | 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

  Public Review Date: Jan 26, 2018 | Final Action Date: Sep 28, 2018 | Approved

  Public Review Date: Jul 27, 2018 | Final Action Date: Sep 28, 2018 | Approved

  Public Review Date: Jul 31, 2020 | Final Action Date: Nov 23, 2020 | Approved

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

- ANSI/UL 1175-2020, Standard for Buoyant Cushions (revision of ANSI/UL 1175-2010 (R2014))
  Public Review Date: Sep 9, 2016 | Final Action Date: Jun 30, 2017 | Approved

  Public Review Date: Feb 17, 2017 | Final Action Date: Jun 30, 2017 | Approved

  Public Review Date: Feb 17, 2017 | Final Action Date: Jun 30, 2017 | Approved

  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
- Public Review Date: Jun 8, 2018 | Final Action Date: May 28, 2019 | Approved

### ANSI/UL 1191-2019a, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2018)
- Public Review Date: Nov 16, 2018 | Final Action Date: May 28, 2019 | Approved

### ANSI/UL 1191-2021, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2019)
- Public Review Date: Feb 12, 2021 | Final Action Date: Apr 13, 2021 | Approved

### ANSI/UL 1191-2022, Standard for Components for Personal Flotation Devices (March 25, 2022) (revision of ANSI/UL 1191-2021)
- Public Review Date: Mar 25, 2022 | Final Action Date: Jun 22, 2022 | Approved

### ANSI/UL 120002-2022, Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations (revision of ANSI/UL 120002-2009 (R2014))
- Public Review Date: Jan 21, 2022 | Final Action Date: Mar 3, 2022 | 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)
- PINS Date: Apr 17, 2015 | Public Review Date: Oct 7, 2016 | Final Action Date: Dec 14, 2016 | Approved

- Public Review Date: Aug 10, 2018 | Final Action Date: Oct 26, 2018 | Approved

### 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)
- Public Review Date: Aug 16, 2019 | Final Action Date: Dec 3, 2019 | Approved

### ANSI/UL 120202-2014 (R2022), Standard for Safety for Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (reaffirmation of ANSI/UL 120202-2014 (R2017))
- Public Review Date: Feb 18, 2022 | Final Action Date: Apr 11, 2022 | Approved

- Public Review Date: Jan 12, 2018 | Final Action Date: Feb 16, 2018 | Approved

- Public Review Date: Mar 9, 2018 | Final Action Date: Apr 30, 2018 | Approved

- Public Review Date: Aug 24, 2018 | Final Action Date: Oct 16, 2018 | Approved

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- Public Review Date: Nov 15, 2019 | Final Action Date: Jan 30, 2020 | Approved
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<td>ANSI/UL 1204-2018, Standard for Safety for Parts Cleaners (new standard)</td>
<td>PINS Date: Nov 3, 2017</td>
<td>Public Review Date: May 4, 2018</td>
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<td>ANSI/UL 121201-2021, Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations (revision of ANSI/UL 121203-2011 (R2015))</td>
<td>Public Review Date: Sep 25, 2020</td>
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  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 1, 2019 | Approved

- ANSI/UL 122001-2009 (R2019), Standard for Safety for General Requirements for Electrical Ignition Systems for Internal Combustion Engines in Class I, Division 2 or Zone 2 Hazardous (Classified) Locations (reaffirmation of ANSI/UL 122001-2009 (R2014))
  Public Review Date: Dec 14, 2018 | Final Action Date: Feb 14, 2019 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 11, 2021 | Approved

  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 4, 2019 | Approved

- ANSI/UL 1236-2016 (R2021), Standard for Safety for Battery Chargers for Charging Engine-Starter Batteries (reaffirmation of ANSI/UL 1236-2016)
  Public Review Date: Oct 30, 2020 | Final Action Date: Jan 12, 2021 | Approved

  Public Review Date: Jun 7, 2019 | Final Action Date: Aug 1, 2019 | Approved

  Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

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  Public Review Date: Jul 28, 2017 | Final Action Date: Oct 20, 2017 | Approved

  Public Review Date: Jan 26, 2018 | Final Action Date: Mar 16, 2018 | Approved

  Public Review Date: Nov 9, 2018 | Final Action Date: Jan 7, 2019 | Approved

  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
ULSE (UL Standards & Engagement)

  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: 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

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

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<tr>
<td>ANSI/UL 125-2020</td>
<td>Flow Control Valves for Anhydrous Ammonia and LP-Gas</td>
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<td>ANSI/UL 1254-2018</td>
<td>Standard for Safety for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (revision of ANSI/UL 1254-2017)</td>
<td>Approved</td>
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<td>ANSI/UL 1254-2018a</td>
<td>Standard for Safety for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (revision of ANSI/UL 1254-2017)</td>
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  - Public Review Date: Feb 3, 2017 | Final Action Date: Dec 20, 2017 | Approved

  - Public Review Date: Jun 23, 2017 | Final Action Date: Dec 20, 2017 | Approved

  - Public Review Date: Nov 10, 2017 | Final Action Date: Dec 20, 2017 | Approved

  - Public Review Date: Mar 2, 2018 | Final Action Date: Sep 12, 2018 | Approved

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  - Public Review Date: May 7, 2021 | Final Action Date: Jul 8, 2021 | Approved

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

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  - Public Review Date: Dec 17, 2021 | Final Action Date: Feb 21, 2022 | Approved

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<td>ANSI/UL 1283-2018a</td>
<td>Standard for Safety for Electromagnetic Interference Filters</td>
<td>May 4, 2018</td>
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<td>ANSI/UL 1285-2022</td>
<td>Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service</td>
<td>Apr 30, 2021</td>
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<td>ANSI/UL 1363-2018, Standard for Safety for Relocatable Power Taps (new standard)</td>
<td>PINS Date: Oct 13, 2017</td>
<td>Public Review Date: Apr 20, 2018</td>
<td>Final Action Date: Jun 12, 2018</td>
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<td>ANSI/UL 1369-2018a, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard)</td>
<td>PINS Date: Jun 23, 2017</td>
<td>Public Review Date: Jul 13, 2018</td>
<td>Final Action Date: Aug 30, 2018</td>
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<td>ANSI/UL 1384-2017, Standard for Water-Based Automatic Extinguisher Units (new standard)</td>
<td>PINS Date: Sep 25, 2015</td>
<td>Public Review Date: Sep 9, 2016</td>
<td>Final Action Date: May 8, 2017</td>
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<td>ANSI/UL 1384-2021, Standard for Water-Based Automatic Extinguisher Units (revision of ANSI/UL 1384-2017)</td>
<td>Public Review Date: Jun 18, 2021</td>
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<td>ANSI/UL 140-2008 (R2018), Standard for Safety for Relocking Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2012))</td>
<td>Public Review Date: May 11, 2018</td>
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- 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

- ANSI/UL 141-2020, Standard for Safety for Garment Finishing Appliances  
  (revision of ANSI/UL 141-2011 (R2016))  
  Public Review Date: May 29, 2020 | Final Action Date: Jul 21, 2020 | Approved

- ANSI/UL 1411-2011 (R2015), Standard for Safety for Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances  
  (reaffirmation of ANSI/UL 1411-2011)  
  Public Review Date: Jul 3, 2015 | Final Action Date: Aug 31, 2015 | Approved

  (reaffirmation of ANSI/UL 1412-2012 (R2016))  
  Public Review Date: Nov 26, 2021 | Final Action Date: Feb 7, 2022 | 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

- ANSI/UL 1417-2012 (R2022), Standard for Special Fuses for Radio- and Television-Type Appliances  
  (reaffirmation of ANSI/UL 1417-2012 (R2017))  
  Public Review Date: Feb 18, 2022 | Final Action Date: May 3, 2022 | Approved

- 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)  
  Public Review Date: May 14, 2021 | Final Action Date: Jul 30, 2021 | Approved

- ANSI/UL 142-2019, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids  
  (revision of ANSI/UL 142-2013)  
  Public Review Date: Apr 27, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019a, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids  
  (revision of ANSI/UL 142-2013)  
  Public Review Date: Nov 2, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019b, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids  
  (revision of ANSI/UL 142-2013)  
  Public Review Date: Feb 22, 2019 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2021, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids  
  (revision of ANSI/UL 142-2019)  
  Public Review Date: Nov 13, 2020 | Final Action Date: Jan 21, 2021 | Approved

  (revision of ANSI/UL 1424-2010 (R2015))  
  Public Review Date: Sep 29, 2017 | Final Action Date: Dec 8, 2017 | Approved

  (revision of ANSI/UL 1424-2017)  
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

- ANSI/UL 1425-2010 (R2020), Standard for Cables for Non-Power-Limited Fire-Alarm Circuits  
  (reaffirmation of ANSI/UL 1425-2010 (R2015))  
  Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | Approved
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The data in this document is reported as of Monday, August 22, 2022

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<td>ANSI/UL 142A-2018a, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids</td>
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<td>Dec 6, 2013</td>
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<td>ANSI/UL 1441-2005 (R2018), Standard for Coated Electrical Sleeving</td>
<td>(reaffirmation of ANSI/UL 1441-2005 (R2013))</td>
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  Public Review Date: Aug 10, 2018 | Final Action Date: Feb 4, 2019 | Approved

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  Public Review Date: Jun 7, 2019 | Final Action Date: Nov 13, 2019 | Approved

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  Public Review Date: Aug 7, 2015 | Final Action Date: Mar 17, 2016 | Approved

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  Public Review Date: Apr 20, 2018 | Final Action Date: Jun 6, 2018 | Approved
- ANSI/UL 147A-2019, Standard For Safety For Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies (revision of ANSI/UL 147A-2018)
  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 20, 2019 | Approved
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<td>Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane (revision of ANSI/UL 147B-2008 (R2013))</td>
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<td>ANSI/UL 147B-2019</td>
<td>Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane (revision of ANSI/UL 147B-2016)</td>
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<td>ANSI/UL 1480-2016b</td>
<td>Standard for Speakers for Fire Alarm and Signaling Systems, Including Accessories (revision of ANSI/UL 1480-2012)</td>
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<td>ANSI/UL 1482-2020</td>
<td>Standard for Safety for Solid-Fuel Type Room Heaters (revision of ANSI/UL 1482-2011 (R2015))</td>
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  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 31, 2020 | Approved

- 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

  Public Review Date: Nov 18, 2016 | Final Action Date: Jan 20, 2017 | Approved

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  Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

  Public Review Date: May 1, 2020 | Final Action Date: Jul 8, 2020 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jun 1, 2021 | Approved

  Public Review Date: Nov 9, 2018 | Final Action Date: Mar 5, 2019 | Approved

- ANSI/UL 154-2021, Standard for Carbon-Dioxide Fire Extinguishers  (revision of ANSI/UL 154-2009 (R2019))
  Public Review Date: Nov 20, 2020 | Final Action Date: Mar 9, 2021 | Approved

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

  Public Review Date: Feb 9, 2018 | Final Action Date: Mar 19, 2018 | Approved

  Public Review Date: Sep 6, 2019 | Final Action Date: Nov 6, 2019 | Approved

- ANSI/UL 1559-2017, Insect-Control Equipment - Electrocution Type (December 30, 2016)  (revision of ANSI/UL 1559 -2011b)
  Public Review Date: Sep 22, 2017 | Final Action Date: Nov 20, 2017 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: May 13, 2019 | Approved
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  Public Review Date: Aug 26, 2016 | Final Action Date: Oct 7, 2016 | Approved

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  Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- ANSI/UL 1564-2013 (R2017), Standard for Safety for Industrial Battery Chargers (reaffirmation of ANSI/UL 1564-2013)
  Public Review Date: Jun 16, 2017 | Final Action Date: Aug 4, 2017 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 11, 2020 | Approved

  Public Review Date: Apr 1, 2022 | Final Action Date: Jul 29, 2022 | Approved

- ANSI/UL 1567-2012 (R2020), Standard for Safety for Receptacles and Switches Intended for Use with Aluminum Wire (reaffirmation of ANSI/UL 1567-2012 (R2016))
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

  Public Review Date: Jul 24, 2015 | Final Action Date: Dec 18, 2015 | Approved

- ANSI/UL 1569-2015a, Standard for Metal-Clad Cables (revision of ANSI/UL 1569-2014)
  Public Review Date: Oct 30, 2015 | Final Action Date: Dec 18, 2015 | Approved

  Public Review Date: Apr 22, 2016 | Final Action Date: Jul 1, 2016 | Approved

  Public Review Date: Aug 11, 2017 | Final Action Date: May 4, 2018 | Approved

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  Public Review Date: Oct 16, 2015 | Final Action Date: Dec 30, 2015 | Approved

  (revision of ANSI/UL 1581-2015a)
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  (Proposal dated 11/18/16) (revision of ANSI/UL 1581-2016)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 17, 2017 | Approved

  (Proposals dated 5/5/17) (revision of ANSI/UL 1581-2016)
  Public Review Date: May 5, 2017 | Final Action Date: Jun 9, 2017 | Approved

  Public Review Date: Aug 25, 2017 | Final Action Date: Dec 8, 2017 | Approved

  (revision of ANSI/UL 1581-2017)
  Public Review Date: Jan 25, 2019 | Final Action Date: Jun 20, 2019 | Approved

  (revision of ANSI/UL 1581-2019)
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 6, 2020 | Approved

  (revision of ANSI/UL 1581-2020)
  Public Review Date: Mar 13, 2020 | Final Action Date: May 7, 2020 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: Aug 28, 2018 | Approved

- ANSI/UL 1598-2018a, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2012)
  Public Review Date: Jan 5, 2018 | Final Action Date: Aug 28, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Aug 28, 2018 | Approved

  Public Review Date: Oct 16, 2020 | Final Action Date: Mar 26, 2021 | Approved

  Vessels (revision of ANSI/UL 1598A-2005 (R2020))
  Public Review Date: Jul 24, 2020 | Final Action Date: Oct 26, 2020 | Approved

- 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))
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- ANSI/UL 1647-2016, Motor-Operated Massage and Exercise Machines (revision of ANSI/UL 1647-2015)
  - Public Review Date: Sep 30, 2016 | Final Action Date: Nov 18, 2016 | Approved

  - Public Review Date: Oct 14, 2016 | Final Action Date: Nov 18, 2016 | Approved

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  - Public Review Date: Nov 9, 2018 | Final Action Date: Mar 6, 2019 | Approved

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

  - Public Review Date: May 11, 2018 | Final Action Date: Feb 15, 2019 | Approved

- ANSI/UL 1653-2022, Electrical Nonmetallic Tubing (revision of ANSI/UL 1653-2019)
  - Public Review Date: Aug 6, 2021 | Final Action Date: Mar 30, 2022 | Approved

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

### ANSI/UL 1678-2017, 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 1678-2016c)
- Public Review Date: Jun 3, 2016 | Final Action Date: Mar 24, 2017 | Approved

### ANSI/UL 1678-2019, 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: Nov 30, 2018 | Final Action Date: Jun 18, 2019 | Approved

### ANSI/UL 1678-2022, Standard for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2019)
- Public Review Date: Jan 28, 2022 | Final Action Date: Mar 2, 2022 | 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 1682-2022, Standard for Safety for Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type Configurations (revision of ANSI/UL 1682-2017)
- Public Review Date: Nov 26, 2021 | Final Action Date: Mar 11, 2022 | Approved

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### ANSI/UL 1686-2014 (R2018), The Standard for Safety for Pin and Sleeve Configurations (reaffirmation of ANSI/UL 1686-2014)
- Public Review Date: Apr 27, 2018 | Final Action Date: Jun 25, 2018 | Approved

### ANSI/UL 1690-2006 (R2020), Standard for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2015))
- Public Review Date: May 1, 2020 | Final Action Date: Aug 7, 2020 | Approved

- Public Review Date: Oct 20, 2017 | Final Action Date: Jan 26, 2018 | Approved

### ANSI/UL 1691-2018a, Standard for Safety for Single Pole Locking-Type Separable Connectors (revision of ANSI/UL 1691-2018)
- Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

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  - Public Review Date: Sep 6, 2019 | Final Action Date: Nov 25, 2019 | Approved

- **ANSI/UL 1696-2021**, Standard for Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2015)
  - Public Review Date: Aug 14, 2020 | Final Action Date: Mar 31, 2021 | Approved

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- ANSI/UL 1730-2007 (R2022), Standard for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730-2007 (R2017))
  Public Review Date: Feb 11, 2022 | Final Action Date: Apr 11, 2022 | Approved

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- ANSI/UL 1773-2018a, Standard for Safety for Termination Boxes  (revision of ANSI/UL 1773-2016)
  - Public Review Date: Jul 27, 2018 | Final Action Date: Oct 9, 2018 | Approved

- ANSI/UL 1773-2018b, Standard for Safety for Termination Boxes  (revision of ANSI/UL 1773-2016)
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- ANSI/UL 201-2022, Standard for Safety for Garage Equipment (revision of ANSI/UL 201-2021)
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- **ANSI/UL 209-2016 (R2020)**, Standard for Cellular Metal Floor Raceways and Fittings (reaffirmation of ANSI/UL 209-2016)  
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

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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 2127-2020, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2019)
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- ANSI/UL 2127-2020a, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2015)
  Public Review Date: Mar 20, 2020 | Final Action Date: Sep 2, 2020 | Approved

- ANSI/UL 2127-2021, Standard for Inert Gas Clean Agent Extinguishing System Units (September 10, 2021) (revision of ANSI/UL 2127-2021)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 30, 2021 | Approved

- ANSI/UL 2129-2017, Standard for Safety for Halocarbon Clean Agent Fire Extinguishers (revision of ANSI/UL 2129-2014)
  Public Review Date: Jul 29, 2016 | Final Action Date: Jan 5, 2017 | Approved

- ANSI/UL 2129-2021, Standard for Halocarbon Clean Agent Fire Extinguishers (revision of ANSI/UL 2129-2017)
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- ANSI/UL 213C-2015 (R2020), Standard for Grooved and Plain End Fittings (reaffirmation of ANSI/UL 213C-2015)
  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)
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- 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)
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- ANSI/UL 2166-2020a, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2015)
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- ANSI/UL 2166-2021, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2020)
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- ANSI/UL 2166-2021a, Standard for Halocarbon Clean Agent Extinguishing System Units (September 10, 2021) (revision of ANSI/UL 2166-2021a)
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- ANSI/UL 2196-2017, Standard for Safety for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control, and Data Cables (revision of ANSI/UL 2196-2006 (R2012))
  Public Review Date: Sep 23, 2016 | Final Action Date: Aug 29, 2017 | Approved

- ANSI/UL 2196-2017a, Standard for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control, and Data Cables (revision of ANSI/UL 2196-2006 (R2012))
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- ANSI/UL 2196-2020, Standard for Safety for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables (revision of ANSI/UL 2196-2018)
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- ANSI/UL 22-2010 (R2019), Standard for Safety for Amusement and Gaming Machines (reaffirmation of ANSI/UL 22-2010 (R2014))
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- **ANSI/UL 2237-2019**, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
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- **ANSI/UL 2237-2019a**, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
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- **ANSI/UL 2238-2021a**, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2021)
  - Public Review Date: Aug 13, 2021 | Final Action Date: Sep 20, 2021 | Approved

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- ANSI/UL 2272-2016a, Standard for Safety for Electrical Systems for Self-Balancing Scooters  (new standard)
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- ANSI/UL 231-2021, Standard for Safety for Power Outlets  (revision of ANSI/UL 231-2020)
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- ANSI/UL 231-2022, Standard for Safety for Power Outlets  (revision of ANSI/UL 231-2021)
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- ANSI/UL 2344-2012 (R2022), Standard for Material Lifts  (reaffirmation of ANSI/UL 2344-2012 (R2017))
  Public Review Date: Feb 18, 2022 | Final Action Date: Apr 19, 2022 | Approved

- 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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  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 2515-2022, Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515-2019)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 22, 2022 | 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: Dec 13, 2019 | Approved

- ANSI/UL 2518-2016 (R2021), Standard for Air Dispersion Systems (reaffirmation of ANSI/UL 2518-2016)
  Public Review Date: Mar 26, 2021 | Final Action Date: Jun 8, 2021 | Approved

  Public Review Date: Jul 28, 2017 | Final Action Date: Sep 14, 2017 | Approved

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- 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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  Public Review Date: Jul 30, 2021 | Final Action Date: Dec 8, 2021 | Approved

- 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

  Public Review Date: Apr 6, 2018 | Final Action Date: Jun 29, 2018 | Approved

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  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 29, 2022 | 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

- ANSI/UL 2586B-2022, 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-2020)
  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 29, 2022 | Approved

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  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 21, 2016 | Approved

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  Public Review Date: Jul 15, 2016 | Final Action Date: Dec 21, 2016 | Approved

- ANSI/UL 2595-2015, Standard for General Requirements for Battery-Powered Appliances  (revision of ANSI/UL 2595-2013a)
  Public Review Date: Feb 13, 2015 | Final Action Date: Sep 9, 2015 | Approved

- ANSI/UL 2595-2015a, Standard for Safety for General Requirements for Battery-Powered Appliances  (revision of ANSI/UL 2595-2013a)
  Public Review Date: May 15, 2015 | Final Action Date: Sep 9, 2015 | Approved

  Public Review Date: Feb 19, 2016 | Final Action Date: Apr 21, 2016 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Oct 7, 2016 | Approved

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| **ANSI/UL 325-2020**, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems  
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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 |
(revision of ANSI/UL 330-2013a)  
Public Review Date: May 19, 2017 | Final Action Date: Jun 29, 2017 | Approved |
(revision of ANSI/UL 330-2017)  
Public Review Date: Jun 8, 2018 | Final Action Date: Jul 12, 2018 | Approved |
(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 |
Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up To 85 Percent (E0 – E85)  
(new standard)  
PINS Date: Jan 31, 2014 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 5, 2019 | Approved |
Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)  
(revision of ANSI/UL 330A-2019)  
Public Review Date: Feb 7, 2020 | Final Action Date: Mar 31, 2020 | Approved |
Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20),  
Kerosene, and Fuel Oil  
(new standard)  
PINS Date: Jan 31, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Dec 17, 2015 | Approved |
Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20),  
Kerosene, and Fuel Oil  
(revision of ANSI/UL 330B-2015)  
Public Review Date: Jun 22, 2018 | Final Action Date: Aug 9, 2018 | Approved |
| **ANSI/UL 330B-2020**, Standard For Safety For Hose and Hose Assemblies for Use With Dispensing Devices Dispensing  
Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20),  
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(revision of ANSI/UL 330B-2015)  
Public Review Date: Jan 31, 2020 | Final Action Date: Mar 31, 2020 | Approved |
| **ANSI/UL 331-2013 (R2017)**, Standard for Safety for Strainers for Flammable Fluids and Anhydrous Ammonia  
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Public Review Date: Oct 20, 2017 | Final Action Date: Dec 13, 2017 | Approved |
(revision of ANSI/UL 331-2013 (R2017))  
Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | Approved |
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  Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/UL 331B-2020, Standard For Safety For Strainers 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 331B-2015)
  Public Review Date: Jan 31, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/UL 331B-2020, Standard for Safety for Strainers 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 331B-2020)
  Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | Approved

  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 24, 2017 | Approved

- ANSI/UL 343-2013 (R2017), Standard for Safety for Pumps for Oil-Burning Appliances (reaffirmation of ANSI/UL 343-2013)
  Public Review Date: Oct 20, 2017 | Final Action Date: Dec 13, 2017 | Approved

- ANSI/UL 343-2021, Standard for Safety for Pumps for Oil-Burning Appliances (revision of ANSI/UL 343-2013 (R2017))
  Public Review Date: Aug 27, 2021 | Final Action Date: Dec 6, 2021 | Approved

  Public Review Date: Jul 19, 2019 | Final Action Date: Sep 20, 2019 | Approved

  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

  Public Review Date: May 29, 2020 | Final Action Date: Nov 23, 2020 | Approved

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  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 27, 2017 | Approved

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  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | Approved

  Public Review Date: Nov 4, 2016 | Final Action Date: Mar 30, 2017 | Approved

- ANSI/UL 399-2018, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2013a)
  Public Review Date: Mar 30, 2018 | Final Action Date: Aug 29, 2018 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Jul 21, 2020 | Approved

- ANSI/UL 4-2018, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2008 (R2013))
  Public Review Date: Jan 5, 2018 | Final Action Date: Feb 23, 2018 | Approved

- ANSI/UL 4-2021, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2018)
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  Public Review Date: Dec 12, 2014 | Final Action Date: Feb 11, 2015 | Approved

- ANSI/UL 405-2018, Standard for Safety for Fire Department Connection Devices (revision of ANSI/UL 405-2014)
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<td>ANSI/UL 4248-11-2007 (R2018)</td>
<td>Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2012))</td>
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<td>ANSI/UL 4248-5-2007 (R2018), Standard for Safety for Fuseholders - Part 5: Class G</td>
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  Public Review Date: Jul 1, 2016 | Final Action Date: Jan 9, 2018 | Approved

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- ANSI/UL 441-2006 (R2019), Standard for Gas Vents (reaffirmation of ANSI/UL 441-2006 (R2014))
  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

  Public Review Date: Oct 20, 2017 | Final Action Date: Sep 24, 2018 | Approved

- ANSI/UL 444-2021, Standard for Safety for Communications Cables (revision of ANSI/UL 444-2018)
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 16, 2021 | Approved

- ANSI/UL 448-2016, Standard for Safety for Centrifugal Stationary Pumps for Fire-Protection Service (revision of ANSI/UL 448-2013)
  Public Review Date: Oct 23, 2015 | Final Action Date: Feb 3, 2016 | Approved

  Public Review Date: Jul 28, 2017 | Final Action Date: Oct 19, 2017 | Approved

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- ANSI/UL 448C-2014 (R2018), Standard for Safety for Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service (reaffirmation of ANSI/UL 448C-2014)
  Public Review Date: Sep 21, 2018 | Final Action Date: Nov 28, 2018 | Approved

  Public Review Date: Nov 6, 2015 | Final Action Date: Dec 23, 2015 | Approved

- ANSI/UL 452-2021, Standard for Antenna - Discharge Units (reaffirmation and redesignation of ANSI/UL 452-2015)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 6, 2021 | Approved

  Public Review Date: Oct 2, 2020 | Final Action Date: Dec 8, 2020 | Approved

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  Public Review Date: May 15, 2020 | Final Action Date: Jul 21, 2020 | Approved

- ANSI/UL 4703-2014a, Standard for Safety for Photovoltaic Wire (Proposal Dated 5-9-14) (new standard)
  PINS Date: Nov 25, 2011 | Public Review Date: May 9, 2014 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/UL 471-2016, Standard for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2014)
  Public Review Date: Oct 30, 2015 | Final Action Date: Jun 16, 2016 | Approved

- ANSI/UL 471-2016a, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2016)
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<td>ANSI/UL 5085-1-2013 (R2022), Standard for Low Voltage Transformers</td>
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- **Public Review Date:** Nov 11, 2016  
  **Final Action Date:** Jun 11, 2018  
  **Approved**

### ANSI/UL 508C-2018a, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2016)
- **Public Review Date:** Sep 8, 2017  
  **Final Action Date:** Jun 11, 2018  
  **Approved**

### ANSI/UL 508C-2018b, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2016)
- **Public Review Date:** Mar 2, 2018  
  **Final Action Date:** Jun 11, 2018  
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  **Final Action Date:** Oct 16, 2015  
  **Approved**

- **Public Review Date:** May 8, 2020  
  **Final Action Date:** Oct 15, 2020  
  **Approved**

### ANSI/UL 510-2020, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (new standard)
- **PINS Date:** Mar 22, 2019  
  **Public Review Date:** Nov 22, 2019  
  **Final Action Date:** Apr 17, 2020  
  **Approved**

### ANSI/UL 510A-2020, Standard for Safety for Component Tapes (new standard)
- **PINS Date:** Mar 22, 2019  
  **Public Review Date:** Nov 22, 2019  
  **Final Action Date:** Apr 17, 2020  
  **Approved**

### ANSI/UL 514A-2015a, Standard for Safety for Metallic Outlet Boxes (revision of ANSI/UL 514A-2013A)
- **Public Review Date:** Jan 23, 2015  
  **Final Action Date:** Jul 6, 2015  
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- **Public Review Date:** Feb 10, 2017  
  **Final Action Date:** Aug 11, 2017  
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- **Public Review Date:** Mar 18, 2022  
  **Final Action Date:** Jun 30, 2022  
  **Approved**

### ANSI/UL 514B-2020, Standard for Conduit, Tubing, and Cable Fittings (revision of ANSI/UL 514B-2014)
- **Public Review Date:** Dec 6, 2019  
  **Final Action Date:** May 22, 2020  
  **Approved**

### ANSI/UL 514C-2018, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2014)
- **Public Review Date:** Sep 28, 2018  
  **Final Action Date:** Nov 30, 2018  
  **Approved**

### ANSI/UL 514C-2020, Standard for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2018)
- **Public Review Date:** Nov 8, 2019  
  **Final Action Date:** Feb 6, 2020  
  **Approved**

### ANSI/UL 514C-2020a, Standard for Safety for Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (revision of ANSI/UL 514C-2020)
- **Public Review Date:** Jun 12, 2020  
  **Final Action Date:** Aug 18, 2020  
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- **Public Review Date:** May 22, 2015  
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<td>ANSI/UL 563-2017</td>
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  Public Review Date: Sep 6, 2013 | Final Action Date: Oct 29, 2013 | Approved

  Public Review Date: Jan 4, 2019 | Final Action Date: Apr 26, 2019 | Approved

- ANSI/UL 5800-2020, Standard for Safety for Battery Fire Containment Products (new standard)
  Public Review Date: Oct 9, 2020 | Final Action Date: Dec 8, 2020 | Approved

- ANSI/UL 5800-2021, Standard for Safety for Battery Fire Containment Products (revision of ANSI/UL 5800-2020)
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  Public Review Date: Nov 20, 2015 | Final Action Date: May 25, 2016 | Approved
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- ANSI/UL 583-2016a, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 7-15-16)
  - (revision of ANSI/UL 583-2016)
  - Public Review Date: Jul 15, 2016 | Final Action Date: Nov 23, 2016 | Approved

- ANSI/UL 583-2016b, Standard for Safety for Electric-Battery-Powered Industrial Trucks (Proposal dated 9-30-16)
  - (revision of ANSI/UL 583-2016)
  - Public Review Date: Sep 30, 2016 | Final Action Date: Nov 23, 2016 | Approved

- 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: Feb 11, 2022 | Final Action Date: May 25, 2022 | Approved

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- 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 5-2019, Standard for Electrical Rigid Metal Conduit – Steel (revision of ANSI/UL 6-2014)
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  Public Review Date: Jan 21, 2022 | Final Action Date: Mar 21, 2022 | Approved

- 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

  Public Review Date: Aug 18, 2017 | Final Action Date: Oct 20, 2017 | Approved

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

- 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)
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- ANSI/UL 60079-29-4-2018a, Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases (national adoption with modifications of IEC 60079-29-4)
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  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))
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- ANSI/UL 60335-2-69-2022, Standard for Safety for Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use (national adoption with modifications of IEC 60335-2-69)
  PINS Date: Nov 1, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Mar 25, 2022 | Approved

- 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)
  PINS Date: Mar 15, 2013 | Public Review Date: May 26, 2017 | Final Action Date: Sep 15, 2017 | Approved

- 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 60730-2-10-2013 (R2022)**, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays (reaffirmation of ANSI/UL 60730-2-10-2013 (R2018))
  - Public Review Date: Apr 15, 2022 | Final Action Date: Jun 29, 2022 | 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)
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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 608-2012 (R2022), Standard for Burglary Resistant Vault Doors and Modular Panels (reaffirmation of ANSI/UL 608-2012 (R2017))
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- 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 60947-4-1-2022, 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 60947-4-1-2017)
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- ANSI/UL 60947-4-2-2022, Standard for safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption of IEC 60947-4-2 with modifications and revision of ANSI/UL 60947-4-2-2014)
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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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- 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 (R2022), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment-PCB Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-4-2018)
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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)
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ANSI/UL 61058-1-1-2017, Standard for Safety for Switches for Appliances - Part 1-1: Requirements for Mechanical Switches (national adoption with modifications of IEC 61058-1-1)  
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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)  
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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)  
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- 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)
  PINS Date: Feb 10, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 3, 2018 | Approved

- 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)
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- 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)
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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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- 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)
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- 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) Based photovoltaic (PV) modules (national adoption with modifications of IEC 61215-1-4)
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- 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 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 61730-1-2017b, 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 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)
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- ANSI/UL 621-2015, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2010a)
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- 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)
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- 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)
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- ANSI/UL 62133-2017, 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)
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- 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)
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<td>ANSI/UL 626-2021, Standard for Water Fire Extinguishers (revision of ANSI/UL 626-2012 (R2018))</td>
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## ANSI/UL 62841-2-3-2021, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-3: Particular Requirements For Hand-Held Grinders, Disc-Type Polishers And Disc-Type Sanders

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- Final Action Date: Jul 12, 2021
- Status: Approved

## 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
- Status: Approved

## ANSI/UL 62841-2-4-2017 (R2022), Standard for Safety for Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type

- Reaffirmation and redesignation of ANSI/UL 62841-2-4-2017
- Public Review Date: May 20, 2022
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- National adoption with modifications of IEC 62841-2-5
- PINS Date: Nov 9, 2012
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- Revision of ANSI/UL 62841-2-5-2016
- Public Review Date: Sep 27, 2019
- Final Action Date: Dec 13, 2019
- Status: Approved


- National adoption with modifications of IEC 62841-2-6
- PINS Date: Nov 9, 2012
- Public Review Date: Dec 3, 2021
- Final Action Date: Mar 28, 2022
- Status: Approved

## ANSI/UL 62841-2-8-2016 (R2022), Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 2-8: Particular Requirements For Hand-Held Shears and Nibblers

- Reaffirmation and redesignation of ANSI/UL 62841-2-8-2016
- Public Review Date: Apr 8, 2022
- Final Action Date: May 27, 2022
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PINS Date: Nov 9, 2012 | Public Review Date: Oct 23, 2015 | Final Action Date: Feb 26, 2016 | Approved

Public Review Date: Jul 14, 2017 | Final Action Date: Oct 10, 2017 | Approved

Public Review Date: May 5, 2017 | Final Action Date: Oct 10, 2017 | 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 62841-3-1-2022, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-1: Particular Requirements For Transportable Table Saws (revision of ANSI/UL 62841-3-1-2017)
Public Review Date: Feb 4, 2022 | Final Action Date: Jun 10, 2022 | 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

- 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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PINS Date: Aug 24, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 13, 2019 | Approved

- 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: Oct 12, 2018 | Final Action Date: Apr 5, 2019 | Approved

PINS Date: Nov 23, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: May 4, 2018 | Approved

PINS Date: Nov 23, 2012 | Public Review Date: Feb 9, 2018 | 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: Apr 5, 2019 | 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)
  - PINS Date: Nov 23, 2012 | Public Review Date: Aug 5, 2016 | Final Action Date: Dec 23, 2016 | Approved

- **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)
  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018 | Approved

  - Public Review Date: Jul 26, 2019 | Final Action Date: Oct 18, 2019 | Approved

  - 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)
  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018 | Approved

- **ANSI/UL 62841-3-7-2021**, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-7: Particular Requirements For Transportable Wall Saws (new standard)
  - Public Review Date: Sep 25, 2020 | Final Action Date: Feb 18, 2021 | Approved

  - Public Review Date: Jan 27, 2017 | Final Action Date: Apr 28, 2017 | Approved

  - Public Review Date: Apr 9, 2021 | Final Action Date: Nov 30, 2021 | Approved

  - Public Review Date: Jan 15, 2021 | Final Action Date: May 5, 2021 | Approved

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  PINS Date: Nov 23, 2012 | Public Review Date: Jun 14, 2019 | Final Action Date: Sep 13, 2019 | Approved

- ANSI/UL 62841-4-4-2021, Standard For Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 4-4: Particular Requirements For Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters And Brush Saws  (identical national adoption of IEC 62841-4-4:2020)  
  PINS Date: May 31, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Oct 29, 2021 | Approved

- ANSI/UL 62852-2022, Standard for Connectors for DC-Application in Photovoltaic Systems - Safety Requirements and Tests  (national adoption with modifications of IEC 62852)  
  Public Review Date: May 20, 2022 | Final Action Date: Jul 6, 2022 | Approved

- ANSI/UL 62915-2022, Standard for Photovoltaic (PV) Modules – Type Approval, Design and Safety Qualification – Retesting  (national adoption with modifications of IEC 62915)  
  PINS Date: Mar 1, 2019 | Public Review Date: Feb 18, 2022 | Final Action Date: Mar 23, 2022 | Approved

- ANSI/UL 62986-2021, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate Contacts  (national adoption with modifications of IEC 62986)  
  Public Review Date: Jan 29, 2021 | Final Action Date: Apr 22, 2021 | Approved

  Public Review Date: Jan 31, 2020 | Final Action Date: Mar 27, 2020 | Approved

- ANSI/UL 635-2012 (R2021), Standard for Safety for Insulating Bushings  (reaffirmation of ANSI/UL 635-2012 (R2016))  
  Public Review Date: Dec 4, 2020 | Final Action Date: Feb 15, 2021 | Approved

  Public Review Date: Oct 23, 2015 | Final Action Date: Jan 30, 2018 | Approved

- ANSI/UL 639-2012 (R2018), Standard for Safety for Intrusion-Detection Units  (reaffirmation of ANSI/UL 639-2012)  
  Public Review Date: May 11, 2018 | Final Action Date: Jul 9, 2018 | Approved

  Public Review Date: Jun 7, 2019 | Final Action Date: Oct 24, 2019 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 23, 2018 | Approved

- 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

- ANSI/UL 644-2014 (R202x), Standard for Safety for Container Assemblies for LP-Gas  (reaffirmation of ANSI/UL 644-2014)  
  Public Review Date: Jul 26, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/UL 651-2022, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings  (revision of ANSI/UL 651-2020)  
  Public Review Date: Dec 10, 2021 | Final Action Date: May 10, 2022 | Approved

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  Public Review Date: Jul 14, 2017 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: Jul 17, 2020 | Final Action Date: Nov 4, 2020 | Approved

- ANSI/UL 668-2021, Standard for Hose Valves for Fire-Protection Service (August 6, 2021) (revision of ANSI/UL 668-2016)
  Public Review Date: Aug 6, 2021 | Final Action Date: Oct 8, 2021 | Approved

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  (revision of ANSI/UL 6703-2017)  
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  (revision of ANSI/UL 6703-2020)  
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- **ANSI/UL 674-2020**, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations  
  (revision of ANSI/UL 674-2017)  
  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 28, 2020 | Approved

- **ANSI/UL 674-2022**, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations  
  (revision of ANSI/UL 674-2020)  
  Public Review Date: Jan 28, 2022 | Final Action Date: Jul 29, 2022 | Approved

  (revision of ANSI/UL 676-2015)  
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  (reaffirmation of ANSI/UL 680-2004 (R2014))  
  Public Review Date: Jun 1, 2018 | Final Action Date: Jul 20, 2018 | Approved

- **ANSI/UL 681-2014 (R2018)**, Standard for Safety for Installation and Classification of Burglar and Holdup Alarm Systems  
  (reaffirmation of ANSI/UL 681-2014)  
  Public Review Date: Jul 13, 2018 | Final Action Date: Sep 4, 2018 | Approved

  (revision of ANSI/UL 681-2014 (R2018))  
  Public Review Date: Jul 17, 2020 | Final Action Date: Dec 17, 2020 | Approved

- **ANSI/UL 687-2011 (R2020)**, Standard for Burglary Resistant Safes  
  (reaffirmation of ANSI/UL 687-2011 (R2015))  
  Public Review Date: Nov 8, 2019 | Final Action Date: Feb 18, 2020 | Approved

- **ANSI/UL 69-2013 (R2018)**, Standard for Safety for Electric-Fence Controllers  
  (reaffirmation of ANSI/UL 69-2013)  
  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 20, 2018 | Approved

- **ANSI/UL 696-2010 (R2020)**, Standard for Safety for Electric Toys  
  (revision of ANSI/UL 696-2010 (R2015))  
  Public Review Date: Mar 20, 2020 | Final Action Date: May 6, 2020 | Approved

- **ANSI/UL 697-2012 (R2016)**, Standard for Safety for Toy Transformers  
  (reaffirmation of ANSI/UL 697-2012)  
  Public Review Date: Jun 24, 2016 | Final Action Date: Aug 15, 2016 | Approved

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

  (reaffirmation of ANSI/UL 698A-2012)  
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- **ANSI/UL 7006-2018**, Standard for Sustainability for Household Room Air Conditioning Appliances (new standard)
  - PINS Date: Aug 24, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Mar 27, 2018 | Approved

- **ANSI/UL 7007-2018**, Standard for Sustainability for Microwave Oven Appliances (new standard)
  - PINS Date: Aug 24, 2012 | Public Review Date: May 11, 2018 | Final Action Date: Aug 16, 2018 | Approved

  - PINS Date: Aug 24, 2012 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 12, 2019 | Approved

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- ANSI/UL 710B-2014 (R2019), Standard for Recirculating Systems (reaffirmation of ANSI/UL 710B-2014)
  - Public Review Date: Nov 9, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - Public Review Date: May 23, 2014 | Final Action Date: Aug 13, 2014 | Approved

- ANSI/UL 710B-2021, Standard for Recirculating Systems (revision of ANSI/UL 710B-2014 (R2019))
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  - Public Review Date: Oct 27, 2017 | Final Action Date: Aug 6, 2018 | Approved

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- ANSI/UL 719-2018a, Standard for Safety for Non-Metallic Sheathed Cable (revision of ANSI/UL 719-2018)
  - Public Review Date: Jul 13, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI/UL 719-2022, Standard for Nonmetallic Sheathed Cable (December 10, 2021) (revision of BSR/UL 719-202x)
  - Public Review Date: Dec 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

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- ANSI/UL 731-2004 (R2021), Standard for Safety for Oil-Fired Unit Heaters (reaffirmation of ANSI/UL 731-2004 (R2016))
  - Public Review Date: Sep 17, 2021 | Final Action Date: Nov 4, 2021 | Approved
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  Public Review Date: Jan 29, 2021 | Final Action Date: Apr 28, 2021 | Approved

- ANSI/UL 746B-2021a, Standard for Safety for Polymeric Materials – Long Term Property Evaluations (revision of ANSI/UL 746B-2021)
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 15, 2021 | Approved
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- **ANSI/UL 778-2016a, Standard for Safety for Motor-Operated Water Pumps** (revision of ANSI/UL 778)
  - Public Review Date: Aug 26, 2016 | Final Action Date: Nov 14, 2016 | Approved

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- ANSI/UL 779-2020, Standard for Safety for Electrically Conductive Floorings (revision of ANSI/UL 779-2011 (R2016))
  Public Review Date: Oct 23, 2020 | Final Action Date: Dec 15, 2020 | Approved

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- ANSI/UL 796-2019a, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016)
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<td>Electrical Metallic Tubing - Aluminum and Stainless Steel</td>
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<td>Standard For Safety For Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)</td>
<td>Approved</td>
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- **ANSI/UL 817-2021c, Standard for Safety for Cord Sets and Power-Supply Cords** (revision of ANSI/UL 817-2021)
  Public Review Date: Jul 16, 2021 | Final Action Date: Sep 22, 2021 | Approved

- **ANSI/UL 82-2016b, Electric Gardening Appliances** (revision of ANSI/UL 82-2016)
  Public Review Date: Sep 30, 2016 | Final Action Date: Dec 9, 2016 | Approved

- **ANSI/UL 82-2018, Standard for Safety for Electric Gardening Appliances** (revision of ANSI/UL 82-2016)
  Public Review Date: Aug 24, 2018 | Final Action Date: Oct 26, 2018 | Approved

- **ANSI/UL 82-2020, UL 82, Standard for Safety for Electric Gardening Appliances** (revision of ANSI/UL 82-2018)
  Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | Approved

- **ANSI/UL 82-2021, Standard for Safety for Electric Gardening Appliances** (revision of ANSI/UL 82-2020)
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  Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  Public Review Date: Oct 23, 2020 | Final Action Date: Jan 11, 2021 | Approved

- **ANSI/UL 827-2016, Standard for Safety for Central-Station Alarm Services** (revision of ANSI/UL 827-2014a)
  Public Review Date: Apr 29, 2016 | Final Action Date: Sep 22, 2016 | Approved

- **ANSI/UL 827-2016a, Standard for Safety for Central-Station Alarm Services** (revision of ANSI/UL 827-2014)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 22, 2016 | Approved
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  Public Review Date: Nov 16, 2018 | Final Action Date: Apr 1, 2019 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2017 | Approved

- ANSI/UL 842B-2020, Standard For Safety For 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 842B-2015)
  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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  Public Review Date: Feb 16, 2018 | Final Action Date: Mar 29, 2018 | Approved

  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

- ANSI/UL 867-2018, Standard for Safety for Electrostatic Air Cleaners (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

- ANSI/UL 870-2019, Standard for Wireways, Auxiliary Gutters, and Associated Fittings (revision of ANSI/UL 870-2016)
  Public Review Date: Oct 26, 2018 | Final Action Date: Mar 18, 2019 | Approved

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  Public Review Date: Sep 14, 2018 | Final Action Date: Jul 30, 2019 | Approved

- 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)  
  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 11, 2019 | Approved

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- 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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- ANSI/UL 879A-2016 (R2022), Standard for Safety for LED Sign and Sign Retrofit Kits (reaffirmation of ANSI/UL 879A -2016)  
  Public Review Date: Aug 20, 2021 | Final Action Date: May 19, 2022 | Approved

  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | 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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<td>ANSI/UL 920004-2014 (R2022), Standard for Performance Requirements for Open Path Toxic Gas Detectors</td>
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- **ANSI/UL 935-2014 (R2018)**, Standard for Fluorescent-Lamp Ballasts  (reaffirmation of ANSI/UL 935-2014)
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ANSI/UL 943B-2011 (R2016), Standard For Safety For Appliance Leakage-Current Interrupters (reaffirmation of ANSI/UL 943B-2011)
Public Review Date: Jul 15, 2016 | Final Action Date: Sep 16, 2016 | Approved

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ANSI/UL 9595-2021, Standard for Factory Follow-Up Services for Personal Flotation Devices (revision of ANSI/UL 9595-2020)
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ANSI/UL 96-2016, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2015a)
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ANSI/UL 96-2020, Standard for Safety for Lightning Protection Components (revision of ANSI/UL 96-2016)
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ANSI/UL 962-2017, Standard for Household and Commercial Furnishings (revision of ANSI/UL 962-2016)
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**ULSE (UL Standards & Engagement)**

  Public Review Date: Oct 4, 2019 | Final Action Date: Dec 10, 2019 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | 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

- ANSI/UL 998-2022, Standard for Safety for Humidifiers  (revision of ANSI/UL 998-2016)
  Public Review Date: Mar 4, 2022 | Final Action Date: Jul 5, 2022 | 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

**VC (ASC Z80) (The Vision Council)**

  PINS Date: Oct 13, 2017 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved
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<td>ANSI Z80.18-2016 (R2021), Ophthalmics - Contact Lens Care Products - Vocabulary, Performance Specifications, And Test Methodology (reaffirmation of ANSI Z80.18-2016)</td>
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<td>ANSI Z80.30-2018, Toric Intraocular Lenses (revision of ANSI Z80.30-2010)</td>
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### VITA (VMEbus International Trade Association (VITA))

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- 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

- ANSI/VITA 40-2020, Status Indicator Standard (new standard)
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- 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

- 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: Aug 2, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Jul 10, 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)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 31, 2015 | Approved

- 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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- ANSI/VITA 46.4-2012 (R2018), PCIeExpress on the VPX Fabric Connector (reaffirmation of ANSI/VITA 46.4-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/VITA 46.6-2013 (R2018), Gigabit Ethernet Control Plane on VPX (reaffirmation of ANSI/VITA 46.6-2013)
  Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/VITA 46.7-2012 (R2018), Ethernet on VPX Fabric Connector (reaffirmation of ANSI/VITA 46.7-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: Jun 13, 2018 | Approved

  PINS Date: May 20, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Mar 5, 2018 | Approved
### ANSI/VITA 47.0-2019, Construction, Safety, and Quality for Plug-In Modules Standard (new standard)
- PINS Date: Dec 8, 2017
- Public Review Date: Feb 1, 2019
- Final Action Date: Apr 9, 2019
- Approved

### ANSI/VITA 47.1-2019, Common Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (new standard)
- PINS Date: Dec 8, 2017
- Public Review Date: Jul 6, 2018
- Final Action Date: Aug 29, 2019
- Approved

### ANSI/VITA 47.2-2019, Class 2 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-in Modules Dot Standards (new standard)
- PINS Date: Dec 22, 2017
- Public Review Date: Jul 6, 2018
- Final Action Date: Aug 29, 2019
- Approved

### ANSI/VITA 47.3-2019, Class 3 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (new standard)
- PINS Date: Dec 22, 2017
- Public Review Date: Jul 6, 2018
- Final Action Date: Aug 29, 2019
- Approved

- PINS Date: Nov 27, 2015
- Public Review Date: Mar 1, 2019
- Final Action Date: Jul 10, 2020
- Approved

- PINS Date: Nov 27, 2015
- Public Review Date: Apr 24, 2020
- Final Action Date: Jul 10, 2020
- Approved

### ANSI/VITA 48.2-2020, Mechanical Specification for Microcomputers using REDI Conduction Cooling Applied to VITA 46 (revision of ANSI/VITA 48.2-2010)
- PINS Date: Nov 27, 2015
- Public Review Date: Mar 1, 2019
- Final Action Date: Jul 10, 2020
- Approved

### ANSI/VITA 48.3-2018, Liquid Flow Through VPX Plug-In Module Standard (new standard)
- PINS Date: Sep 2, 2016
- Public Review Date: Mar 30, 2018
- Final Action Date: Jun 8, 2018
- Approved

- PINS Date: Dec 7, 2012
- Public Review Date: Nov 27, 2015
- Final Action Date: Dec 11, 2017
- Approved

### ANSI/VITA 48.7-2014, Mechanical Standard for Electronic Plug-in Units using Air Flow-by Cooling Technology (new standard)
- PINS Date: Dec 7, 2012
- Public Review Date: Jul 18, 2014
- Final Action Date: Oct 27, 2014
- Approved

- PINS Date: Mar 25, 2016
- Public Review Date: Jan 6, 2017
- Final Action Date: Apr 13, 2017
- Approved

- Public Review Date: Sep 4, 2020
- Final Action Date: Sep 2, 2021
- Approved

- Public Review Date: Sep 4, 2020
- Final Action Date: Sep 2, 2021
- Approved

- PINS Date: Mar 25, 2016
- Public Review Date: May 26, 2017
- Final Action Date: Aug 3, 2017
- Approved

- Public Review Date: Sep 4, 2020
- Final Action Date: Sep 2, 2021
- Approved

### ANSI/VITA 51.0-2012 (R2018), Reliability Prediction (reaffirmation of ANSI/VITA 51.0-2012)
- Public Review Date: Aug 25, 2017
- Final Action Date: May 21, 2018
- Approved
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## VITA (VMEbus International Trade Association (VITA))

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## WCMA (Window Covering Manufacturers Association)

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## WDMA (Window and Door Manufacturers Association)

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WMA (World Millwork Alliance)
10047 Robert Trent Jones Parkway, New Port Richey, FL 34655 | w: http://worldmillworkalliance.com

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

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

- 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

  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

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

- ANSI/WMA O1.1-4-2015 (R2022), Safety Requirements for Shapers (reaffirmation of ANSI/WMA O1.1-4-2015)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

X12 (X12 Incorporated)
24654 N. Lake Pleasant Pkwy., Suite 103 #275, Peoria, AZ 85383 | w: www.x12.org

- ANSI X12 Series, A collection of all ANSI-approved X12 standards. Individual X12 standards not available separately (revision, redesignation and consolidation of )
  Final Action Date: Oct 16, 2015 | Approved

  PINS Date: May 24, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jul 9, 2020 | Approved