## Approved American National Standards

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

Listed below are Approved American National Standards (ANS) as of 12/12/2022. Additional information about these Approved ANS has been published in ANSI’s Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI’s Standards Action in (PDF) format are available at [www.ansi.org/standardsaction](http://www.ansi.org/standardsaction). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer.

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

### 3-A (3-A Sanitary Standards, Inc.)

- **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)

- **ANSI/RIA R15.06-2012**, Industrial Robots and Robot Systems - Safety Requirements
  - PINS Date: Dec 11, 2009 | Public Review Date: Jul 20, 2012 | Final Action Date: Mar 28, 2013 | Approved

  - PINS Date: Mar 6, 2015 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 18, 2020 | Approved

### AA (ASC H35) (Aluminum Association)

  - 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 Matierals (reaffirmation of ANSI H35.5-2013)
  - PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved
AABC (Associated Air Balance Council)

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

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  (new standard)
PINS Date: Nov 1, 2019 | Public Review Date: Feb 19, 2021 | Final Action Date: Feb 4, 2022 | Approved

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

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

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

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

ANSI/ASB BPR 049-2020, Best Practice Recommendation for Lifting of Footwear and Tire Impression Evidence  (new standard)
PINS Date: Jun 21, 2019 | Public Review Date: Nov 15, 2019 | Final Action Date: Aug 7, 2020 | Approved

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

ANSI/ASB BPR 060-2021, Guidelines for Barrel and Overall Length Measurements for Firearms  (new standard)
PINS Date: Oct 5, 2018 | Public Review Date: Apr 30, 2021 | Final Action Date: Dec 15, 2021 | Approved

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

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

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

PINS Date: Dec 21, 2018 | Public Review Date: Apr 1, 2022 | Final Action Date: Oct 4, 2022 | Approved
# Approved American National Standards

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<td>ANSI/ASB BPR 114-2022, Best Practice Recommendations for Internal Validation of Software used in Forensic DNA Laboratories</td>
<td>Aug 2, 2019</td>
<td>Sep 10, 2021</td>
<td>Oct 4, 2022</td>
<td>Approved</td>
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<td>ANSI/ASB BPR 144-2022, Best Practice Recommendations for the Verification Component in Friction Ridge Examination</td>
<td>May 15, 2020</td>
<td>Mar 25, 2022</td>
<td>Dec 5, 2022</td>
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<td>ANSI/ASB Std 027-2021</td>
<td>Standard for Training and Certification of Canine Detection of Humans: Patrol Canine Team (new standard)</td>
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<td>Standards for a Quality Assurance Program in Bloodstain Pattern Analysis (new standard)</td>
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<td>Standards for a Bloodstain Pattern Analyst™s Training Program (new standard)</td>
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<td>ANSI/ASB Std 035-2020</td>
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<td>ANSI/ASB Std 037-2019</td>
<td>Guidelines for Opinions and Testimony in Forensic Toxicology (new standard)</td>
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<td>ANSI/ASB Std 038-2020</td>
<td>Standards for Internal Validation of Forensic DNA Testing Methods (new standard)</td>
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<td>ANSI/ASB Std 040-2019</td>
<td>Standards for Forensic DNA Interpretation and Comparison Protocols (new standard)</td>
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<td>ANSI/ASB Std 044-2019</td>
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<td>ANSI/ASB Std 046-2019</td>
<td>Wildlife Forensics Validation Standards-- STR Analysis (new standard)</td>
<td>Approved</td>
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<td>ANSI/ASB Std 053-2020</td>
<td>Standard for Report Content in Forensic Toxicology (new standard)</td>
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### Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

#### AAFS (American Academy of Forensic Sciences)

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<th>Standard Number</th>
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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>
<td>Sep 24, 2021</td>
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<td>ANSI/ASB Std 105-2021</td>
<td>Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (new standard)</td>
<td>Nov 9, 2018</td>
<td>Aug 30, 2019</td>
<td>Sep 17, 2021</td>
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**Approved American National Standards**

The data in this document is reported as of Monday, December 12, 2022

**AAFS (American Academy of Forensic Sciences)**

  PINS Date: Sep 21, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI/ASB Std 110-2020, Standard for Training in Forensic Serological Methods (new standard)  
  PINS Date: Dec 14, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/ASB Std 115-2020, Standard for Training in Forensic Short Tandem Repeat Typing Methods using Amplification, DNA Separation, and Allele Detection. (new standard)  
  PINS Date: Apr 12, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/ASB Std 116-2020, Standard for Training in Forensic DNA Quantification Methods. (new standard)  
  PINS Date: May 31, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/ASB Std 117-2020, Standard for the Examination of Stamp Impressions and Stamping Devices (new standard)  
  PINS Date: Apr 26, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 27, 2020 | Approved

- ANSI/ASB Std 119-2021, Standard for the Analytical Scope and Sensitivity of Forensic Toxicology Testing for Medicolegal Death Investigations. (new standard)  
  PINS Date: Jun 14, 2019 | Public Review Date: Dec 18, 2020 | Final Action Date: Aug 5, 2021 | Approved

  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: Aug 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 127-2022, Standard for the Preservation and Examination of Charred Documents (new standard)  
  PINS Date: Feb 28, 2020 | Public Review Date: Jan 7, 2022 | Final Action Date: Oct 4, 2022 | Approved

- ANSI/ASB Std 128-2022, Standard for the Preservation and Examination of Liquid Soaked Documents (new standard)  
  PINS Date: Feb 28, 2020 | Public Review Date: Jan 7, 2022 | Final Action Date: Oct 4, 2022 | 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
Approved American National Standards

AAFS (American Academy of Forensic Sciences)

- 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)

  Public Review Date: Aug 17, 2012 | Final Action Date: May 8, 2014 | Approved

- ANSI/AAMI 2700-1-2019, Medical Devices and Medical Systems — Essential safety requirements for equipment comprising the patient-centric integrated clinical environment (ICE) — Part 1: General requirements and conceptual model (new standard)
  PINS Date: Dec 28, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 29, 2019 | Approved

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

  Public Review Date: Aug 12, 2011 | Final Action Date: Dec 2, 2011 | Approved

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

  PINS Date: Apr 15, 2011 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/AAMI CN27-2021, General requirements for Luer activated valves (LAVs) incorporated into medical devices for intravascular applications (new standard)
  PINS Date: Jul 29, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Oct 26, 2021 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Oct 9, 2020 | Approved

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

- ANSI/AAMI EC57-2012 (R2020), Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (reaffirmation of ANSI/AAMI EC57-2012)
  Public Review Date: May 29, 2020 | Final Action Date: Oct 9, 2020 | Approved
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<th>ANSI/AAMI Standard</th>
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<tr>
<td>ANSI/AAMI EQ56-2013</td>
<td>Recommended practice for a medical equipment management program (revision of ANSI/AAMI EQ56-1999 (R2008))</td>
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<td>ANSI/AAMI EQ89-2015</td>
<td>Guidance for the use of medical equipment maintenance strategies and procedures (new standard)</td>
<td>Approved</td>
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<td>ANSI/AAMI EQ93-2019</td>
<td>Medical equipment management - Vocabulary used in medical equipment programs (new standard)</td>
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<td>ANSI/AAMI NS4-2013 (R2017)</td>
<td>Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/AAMI PB70-2022</td>
<td>Liquid barrier performance and classification of protective apparel and drapes intended for use in health care facilities (new standard)</td>
<td>Approved</td>
</tr>
</tbody>
</table>
AAMI (Association for the Advancement of Medical Instrumentation)

- 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

  Public Review Date: Aug 14, 2015 | Final Action Date: Nov 23, 2015 | Approved

  Public Review Date: Jan 26, 2018 | Final Action Date: Sep 6, 2018 | Approved

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

  Public Review Date: Sep 8, 2017 | Final Action Date: Jan 16, 2018 | Approved

- ANSI/AAMI ST50-2004 (R2018), Dry heat (heated air) sterilizers (reaffirmation of ANSI/AAMI ST50-2004 (R2010))
  Public Review Date: Nov 18, 2016 | Final Action Date: Jan 12, 2018 | Approved

- ANSI/AAMI ST55-2016, Table-top steam sterilizers (revision of ANSI/AAMI ST55-2010 (R2014))
  PINS Date: Nov 27, 2015 | Public Review Date: Mar 11, 2016 | Final Action Date: Nov 1, 2016 | Approved

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

  Public Review Date: Jan 26, 2018 | Final Action Date: Sep 6, 2018 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

- ANSI/AAMI ST67-2019, 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))
  PINS Date: Nov 18, 2016 | Public Review Date: Aug 31, 2018 | Final Action Date: Jul 29, 2019 | Approved

- ANSI/AAMI ST72-2019, Bacterial endotoxin - Test methods, routine monitoring and alternatives to batch testing (revision of ANSI/AAMI ST72-2011 (R2016))
  PINS Date: Jun 24, 2016 | Public Review Date: Apr 26, 2019 | Final Action Date: Nov 19, 2019 | Approved

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

- ANSI/AAMI ST79-2017, Comprehensive guide to steam sterilization and sterility assurance in health care facilities (revision of ANSI/AAMI ST79-2010 (R2014))
  PINS Date: Mar 3, 2017 | Public Review Date: Apr 7, 2017 | Final Action Date: Jul 18, 2017 | Approved

  PINS Date: Feb 22, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Oct 26, 2020 | Approved

  PINS Date: Feb 22, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Oct 26, 2020 | Approved

  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
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

- ANSI/AAMI/IEC 60601-1-8-2008/A2-2021, Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment, Amendment 2 (addenda to ANSI/AAMI/IEC 60601-1-8-2013)
PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 1, 2022 | Approved

PINS Date: Mar 1, 2013 | Public Review Date: Apr 19, 2013 | Final Action Date: Oct 21, 2013 | Approved

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

- ANSI/AAMI/IEC 60601-2-16, Ed. 4-2012, Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (identical national adoption of IEC 60601-2-16, Edition 4.0 (2012-03-08))
PINS Date: Mar 11, 2011 | Public Review Date: Feb 18, 2011 | Final Action Date: Sep 5, 2012 | Approved

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

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

PINS Date: Feb 12, 2016 | Public Review Date: Mar 18, 2016 | Final Action Date: Jun 30, 2017 | Approved

Public Review Date: Apr 18, 2014 | Final Action Date: Dec 10, 2014 | Approved

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

  Public Review Date: Apr 18, 2014 | Final Action Date: Dec 10, 2014 | Approved

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

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

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

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

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

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

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

  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
AAMI (Association for the Advancement of Medical Instrumentation)

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

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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

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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

  
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  Public Review Date: Apr 18, 2014 | Final Action Date: Sep 23, 2014 | Approved

  
  Public Review Date: Jul 25, 2014 | Final Action Date: Jul 27, 2015 | Approved

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

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

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

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

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

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

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# Approved American National Standards

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<td>PINS Date: Oct 23, 2009</td>
<td>Public Review Date: May 6, 2011</td>
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<td>ANSI/AAMI/ISO 13022-2012, Medical products containing viable human cells -- Application of risk management and requirements for processing practices (identical national adoption of ISO 13022)</td>
<td>PINS Date: May 8, 2009</td>
<td>Public Review Date: Oct 29, 2010</td>
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### Approved American National Standards

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

  - 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

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  - 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
## Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

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<td>Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 2: Symbol development, selection and validation</td>
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<td>ANSI/AAMI/ISO 17664-2017</td>
<td>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)</td>
<td>Aug 24, 2012</td>
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### ANSI/AAMI/ISO 20857-2010 (R2015), Sterilization of health care products - Dry heat: Requirements for the development, validation and routine control of a sterilization process for medical devices (reaffirm a national adoption ANSI/AAMI/ISO 20857-2010)

- **Public Review Date:** Aug 28, 2015
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### ANSI/AAMI/ISO 22442-3-2007 (R2016), Medical devices utilizing animal tissues and their derivatives - Part 3: Validation of the elimination and/or inactivation of viruses and transmissible spongiform encephalopathy (TSE) agents (reaffirm a national adoption ANSI/AAMI/ISO 22442-3-2007 (R2011))

- **Public Review Date:** Aug 28, 2015
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- **PINS Date:** Jul 1, 2016
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- **Status:** Approved

### ANSI/AAMI/ISO 23500-4-2019, Preparation and quality management of fluids for haemodialysis and related therapies — Part 4: Concentrates for haemodialysis and related therapies (identical national adoption of ISO 23500-4 and revision of ANSI/AAMI 13958-2014)

- **PINS Date:** Jul 1, 2016
- **Public Review Date:** Sep 6, 2019
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- **PINS Date:** Jul 1, 2016
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- **Public Review Date:** Mar 27, 2015
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- **PINS Date:** Dec 16, 2011
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- **Final Action Date:** Dec 4, 2012
- **Status:** Approved

### ANSI/AAMI/ISO 25539-3-2012 (R2015), Cardiovascular Implants - Endovascular Devices - Part 3: Vena Cava Filters (reaffirm a national adoption ANSI/AAMI/ISO 25539-3-2012)

- **Public Review Date:** Sep 4, 2015
- **Final Action Date:** Nov 24, 2015
- **Status:** Approved
AAMI (Association for the Advancement of Medical Instrumentation)

- 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

  PINS Date: Oct 23, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Aug 25, 2022 | Approved

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- ANSI/AAMI/ISO 5840-3-2022, Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by transcatheter techniques  (identical national adoption of ISO 5840-3:202x and revision of ANSI/AAMI/ISO 5840-3-2012)
  PINS Date: Oct 23, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Aug 25, 2022 | Approved

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  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 application - Part 5: Connectors for limb cuff inflation applications  (identical national adoption of IEC-ISO 80369-5)
  PINS Date: Nov 12, 2010 | Public Review Date: Feb 7, 2014 | Final Action Date: Jul 1, 2016 | Approved

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

- 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

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AARST (American Association of Radon Scientists and Technologists)

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AARST (American Association of Radon Scientists and Technologists)

  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 28, 2019 | 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

  Public Review Date: Jun 17, 2022 | Final Action Date: Oct 12, 2022 | Approved

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

  Public Review Date: Jul 22, 2022 | Final Action Date: Oct 14, 2022 | 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)
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- 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

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- 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

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ABMA (ASC B3) (American Bearing Manufacturers Association)

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

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ABMA (ASC B3) (American Bearing Manufacturers Association)

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  PINS Date: Jan 31, 2014 | Public Review Date: Jun 13, 2014 | Final Action Date: Sep 5, 2014 | Approved

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

ABTG (Applied Building Technology Group)

  PINS Date: Apr 28, 2017 | Public Review Date: Apr 8, 2022 | Final Action Date: Oct 20, 2022 | Approved

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

ABYC (American Boat and Yacht Council)

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

  PINS Date: Oct 27, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 22, 2018 | Approved

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  PINS Date: Sep 27, 2019 | Public Review Date: May 8, 2020 | Final Action Date: Jul 6, 2020 | Approved

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ABYC (American Boat and Yacht Council)

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- ANSI/ABYC A-28-2019, Galvanic Isolators (new standard)
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- ANSI/ABYC A-3-2021, Cooking Appliances (revision of ANSI/ABYC A-3-2013)
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  PINS Date: Oct 8, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jul 11, 2022 | Approved

  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 12, 2021 | 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
## ABYC (American Boat and Yacht Council)

<table>
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### ABYC (American Boat and Yacht Council)

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

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

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

  - PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved

- **ANSI/ABYC S-32-2022, Warnings And Safety Signs For Boats** (new standard)
  - PINS Date: Dec 14, 2018 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 9, 2022 | Approved

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

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

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

### ACCA (Air Conditioning Contractors of America)

  - PINS Date: Mar 4, 2016 | Public Review Date: Aug 19, 2015 | 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
Approved American National Standards

ACCA (Air Conditioning Contractors of America)

- 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

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  PINS Date: May 2, 2014 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 20, 2016 | Approved

ACCT (Association for Challenge Course Technology)

- 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)

- 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)

- 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)

  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

ACP (American Clean Power Association)

  PINS Date: Jun 12, 2020 | Public Review Date: May 21, 2021 | Final Action Date: Dec 21, 2021 | Approved
ACP (American Clean Power Association)

- 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

  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

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

ADA (Organization) (American Dental Association)

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

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### Approved American National Standards

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

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<th>Description</th>
<th>Date of Adoption</th>
<th>Date of Approval</th>
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<td>Reference Core Data Set for Communication Among Dental and Other Health Information Systems (new standard)</td>
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<td>Public Review Date: Feb 15, 2019</td>
</tr>
<tr>
<td>ANSI/ADA Standard No. 1097-2020</td>
<td>Digital Caries Risk Assessment Resources (new standard)</td>
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<td>Public Review Date: Jan 31, 2020</td>
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<td>Dental Duplicating Material (reaffirm a national adoption)</td>
<td>Approved</td>
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<tr>
<td>ANSI/ADA 159-2018</td>
<td>Coiled Springs for Use in Orthodontics (identical national adoption of ISO 17254:2016)</td>
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# Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

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

  
PINS Date: Jun 29, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Aug 26, 2019 | Approved

  
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<td>Approved</td>
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<tr>
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<td>Dental Handpieces and Motors</td>
<td>2019</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSI/ADA 37</td>
<td>Dental Abrasive Powders</td>
<td>2001</td>
<td>Approved</td>
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<tr>
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<td>Compatibility Testing for Metal-Ceramic and Ceramic-Ceramic Systems</td>
<td>2020</td>
<td>Approved</td>
<td></td>
<td></td>
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<tr>
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<td>Pit and Fissure Sealants</td>
<td>2020</td>
<td>Approved</td>
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<td></td>
</tr>
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<td>Evaluation of Biocompatibility of Medical Devices Used in Dentistry</td>
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<td>Approved</td>
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<td></td>
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<td>Stationary Dental Units and Patient Chairs - Part 1: General Requirements</td>
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<td>Stationary Dental Units and Patient Chairs - Part 2: Air, Water Suction and Wastewater Systems</td>
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<td>Approved</td>
<td></td>
<td></td>
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<td>ANSI/ADA 53</td>
<td>Polymer Based Crown and Veneering Materials</td>
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<td>Double-Pointed, Parenteral, Single Use Needles for Dentistry</td>
<td>1986</td>
<td>Approved</td>
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<td>2012</td>
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ADA (Organization) (American Dental Association)

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  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))
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  PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | Approved
ADA (Organization) (American Dental Association)

  - PINS Date: Jan 12, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

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

  - 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

  - (addenda to ANSI GPTC Z380.1-2022)
  - Public Review Date: Oct 7, 2022 | Final Action Date: Dec 1, 2022 | Approved
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<th>Action Date(s)</th>
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<td>Tolerance Specification for Gear Hobs (revision and redesignation of ANSI/AGMA 110213)</td>
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<tr>
<td>ANSI/AGMA 1107-A19</td>
<td>Tolerance Specification for Form Milling Cutters (new standard)</td>
<td>PINS Date: Jun 15, 2012</td>
</tr>
<tr>
<td>ANSI/AGMA 2002-D19</td>
<td>Tooth Thickness and Backlash Measurement of Cylindrical Involute Gearing (revision of ANSI/AGMA 2002-C16)</td>
<td>PINS Date: Oct 26, 2018</td>
</tr>
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Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

AGMA (American Gear Manufacturers Association)

  Public Review Date: Aug 30, 2019 | Final Action Date: Dec 17, 2019 | Approved

  Public Review Date: Jun 5, 2020 | Final Action Date: Nov 19, 2020 | Approved

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

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

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

- ANSI/AGMA 6000-C20, Specification for Measurement of Linear Vibration on Gear Units  (revision and redesignation of ANSI/AGMA 6000-B96 (R2016))
  PINS Date: Aug 5, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/AGMA 6001-F19, Design and Selection of Components for Enclosed Gear Drives  (revision and redesignation of ANSI/AGMA 6001-E08 (R2014))
  PINS Date: May 27, 2011 | Public Review Date: May 11, 2018 | Final Action Date: Jan 18, 2019 | Approved

- ANSI/AGMA 6002-D20, Design Guide for Vehicle Spur and Helical Gears  (revision of ANSI/AGMA 6002-C15)
  PINS Date: Sep 30, 2016 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 6, 2020 | Approved

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

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

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

- ANSI/AGMA 6013-B16 (R2021), Standard for Industrial Enclosed Gear Drives  (reaffirmation of ANSI/AGMA 6013-B16)
  Public Review Date: Jun 4, 2021 | Final Action Date: Nov 23, 2021 | Approved

- ANSI/AGMA 6014-B15 (R2020), Gear Power Rating for Cylindrical Shell and Trunnion Supported Equipment  (reaffirmation of ANSI/AGMA 6014-B15)
  Public Review Date: Jun 12, 2020 | Final Action Date: Nov 30, 2020 | Approved

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

- ANSI/AGMA 6022-D19, Design Manual for Cylindrical Wormgearing  (new standard)
  PINS Date: Dec 14, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Sep 9, 2019 | Approved
AGMA (American Gear Manufacturers Association)

- ANSI/AGMA 6025-E19, Sound for Enclosed Helical, Herringbone and Spiral Bevel Gear Drives (revision and redesignation of ANSI/AGMA 6025-D98 (R2016))
  PINS Date: Aug 5, 2016 | Public Review Date: Jan 26, 2018 | Final Action Date: Jan 18, 2019 | Approved

- ANSI/AGMA 6032-B13 (R2018), Standard for Marine Gear Units: Rating and Application for Spur and Helical Gear Teeth (reaffirmation of ANSI/AGMA 6032-B13)
  Public Review Date: Jul 20, 2018 | Final Action Date: Dec 14, 2018 | Approved

- ANSI/AGMA 6033-C08 (R2020), Materials for Marine Propulsion Gearing (reaffirmation of ANSI/AGMA 6033-08 (R2014))
  Public Review Date: Jul 19, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/AGMA 6034-C21, Practice for Enclosed Cylindrical Wormgear Speed Reducers and Gearmotors (revision and redesignation of ANSI/AGMA 6034-B92-10 (R2016))
  PINS Date: Apr 19, 2013 | Public Review Date: Feb 8, 2019 | Final Action Date: Apr 8, 2021 | Approved

- ANSI/AGMA 6035-A02 (R2019), Design, Rating and Application of Industrial Globoidal Wormgearing (reaffirmation of ANSI/AGMA 6035-A02 (R2013))
  Public Review Date: Dec 21, 2018 | Final Action Date: May 14, 2019 | Approved

- ANSI/AGMA 6101-F19, Design and Selection of Components for Enclosed Gear Drive (Metric Edition) (revision and redesignation of ANSI/AGMA 6101-E08 (R2014))
  PINS Date: May 27, 2011 | Public Review Date: May 11, 2018 | Final Action Date: Feb 1, 2019 | Approved

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

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- ANSI/AGMA 6123-C16 (R2021), Design Manual for Enclosed Epicyclic Gear Drives (reaffirmation of ANSI/AGMA 6123-C16)
  Public Review Date: Apr 23, 2021 | Final Action Date: Oct 7, 2021 | Approved

  Public Review Date: Jul 20, 2018 | Final Action Date: Dec 14, 2018 | Approved

  Public Review Date: Jul 19, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/AGMA 6134-C21, Practice for Enclosed Cylindrical Wormgear Speed Reducers and Gearmotors - Metric Edition (new standard)
  PINS Date: Mar 20, 2020 | Public Review Date: Jul 17, 2020 | Final Action Date: Apr 9, 2021 | Approved
### AGMA (American Gear Manufacturers Association)

  - Public Review Date: Dec 21, 2018 | Final Action Date: May 14, 2019 | Approved

- **ANSI/AGMA 9000-D11 (R2021)**, Flexible Couplings -- Potential Unbalance Classification (reaffirmation of ANSI/AGMA 9000-D11 (R2016))
  - Public Review Date: Aug 6, 2021 | Final Action Date: Jan 6, 2022 | Approved

- **ANSI/AGMA 9001-C18, 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-C14 (R2020)**, Bores and Keyways for Flexible Couplings (Inch Series) (reaffirmation of ANSI/AGMA 9002-C14)
  - Public Review Date: Jul 19, 2019 | Final Action Date: Jun 8, 2020 | Approved

- **ANSI/AGMA 9003-C17 (R2022)**, Flexible Couplings – Keyless Fits (reaffirmation of ANSI/AGMA 9003-C17)
  - Public Review Date: Mar 18, 2022 | Final Action Date: Oct 28, 2022 | Approved

- **ANSI/AGMA 9004-B08 (R2020)**, Flexible Couplings -- Mass Elastic Properties and Other Characteristics (reaffirmation of ANSI/AGMA 9004-B08 (R2014))
  - Public Review Date: Apr 26, 2019 | Final Action Date: Apr 23, 2020 | Approved

- **ANSI/AGMA 9005-F16 (R2021)**, Industrial Gear Lubrication (reaffirmation of ANSI/AGMA 9005-F16)
  - Public Review Date: May 21, 2021 | Final Action Date: Oct 5, 2021 | Approved

- **ANSI/AGMA 9006-A16 (R2021)**, Flexible Couplings – Basis for Rating (reaffirmation of ANSI/AGMA 9006-A16)
  - Public Review Date: Aug 6, 2021 | Final Action Date: Jan 6, 2022 | Approved

- **ANSI/AGMA 9008-B00 (R2022)**, Flexible Couplings -- Gear Type -- Flange Dimensions, Inch Series (reaffirmation of ANSI/AGMA 9008-B99 (R2017))
  - Public Review Date: Mar 25, 2022 | Final Action Date: Oct 28, 2022 | Approved

- **ANSI/AGMA 9009-E20, Flexible Couplings – Nomenclature for Flexible Couplings** (revision and redesignation of ANSI/AGMA 9009-D02 (R2014))
  - PINS Date: May 31, 2013 | Public Review Date: Feb 14, 2020 | Final Action Date: Jun 8, 2020 | Approved

- **ANSI/AGMA 9103-C17 (R2022)**, Flexible Couplings – Keyless Fits (Metric Edition) (reaffirmation of ANSI/AGMA 9103-C17)
  - Public Review Date: Mar 18, 2022 | Final Action Date: Oct 28, 2022 | Approved

  - Public Review Date: Mar 25, 2022 | Final Action Date: Oct 28, 2022 | Approved

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

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

  - PINS Date: Dec 20, 2013 | Public Review Date: Jan 17, 2014 | Final Action Date: Sep 30, 2014 | Approved
AGMA (American Gear Manufacturers Association)

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

  Public Review Date: Jun 14, 2013 | Final Action Date: Mar 12, 2014 | Approved

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

- ANSI/AGMA ISO 23509-B17, Bevel and Hypoid Gear Geometry (identical national adoption of ISO 23509:2016 and revision of ANSI/AGMA ISO 23509-A08)
  PINS Date: Feb 24, 2017 | Public Review Date: Mar 31, 2017 | Final Action Date: Dec 12, 2017 | Approved

AGSC (Auto Glass Safety Council)

  Public Review Date: May 27, 2022 | Final Action Date: Jul 21, 2022 | Approved

  PINS Date: Oct 15, 2021 | Public Review Date: Sep 2, 2022 | Final Action Date: Dec 8, 2022 | Approved

AHAM (Association of Home Appliance Manufacturers)

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

- ANSI/AHAM AC-4-2022, Method of Assessing the Reduction Rate of Chemical Gases by a Room Air Cleaner (new standard)
  PINS Date: Oct 30, 2020 | Public Review Date: Jun 24, 2022 | Final Action Date: Nov 18, 2022 | Approved

- ANSI/AHAM AC-5-2022, Method for Assessing the Reduction Rate of Key Bioaerosols by Portable Air Cleaners Using an Aerobiology Test Chamber (new standard)
  PINS Date: Oct 30, 2020 | Public Review Date: May 20, 2022 | Final Action Date: Nov 18, 2022 | Approved

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

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

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

  PINS Date: Jun 27, 2014 | Public Review Date: Aug 29, 2014 | Final Action Date: Nov 20, 2014 | Approved
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<td>Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle</td>
<td>PINS Date: Oct 19, 2012</td>
<td>Public Review Date: Apr 26, 2013</td>
<td>Final Action Date: Jun 18, 2013</td>
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<td>ANSI/AHRI 680 (I-P)-2015</td>
<td>Performance Rating of Residential Air Filter Equipment</td>
<td>PINS Date: Feb 19, 2016</td>
<td>Public Review Date: May 20, 2016</td>
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<td>ANSI/AHRI 681 (SI)-2015</td>
<td>Performance Rating of Residential Air Filter Equipment</td>
<td>PINS Date: Feb 19, 2016</td>
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AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

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

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

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

- ANSI/AHRI Standard 771 (SI)-2014, Performance Rating of Refrigerant Pressure Regulating Valves (new standard)
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  PINS Date: Oct 19, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 12, 2013 | Approved

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  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 24, 2020 | Approved

  PINS Date: May 20, 2016 | Public Review Date: Jul 22, 2016 | Final Action Date: Sep 27, 2016 | Approved
AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

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

- ANSI/AHRI Standard 921 (SI)-2015, Performance Rating of DX-Dedicated Outdoor Air System Units (new standard)
  PINS Date: Jun 26, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

  Public Review Date: Aug 5, 2011 | Final Action Date: Nov 3, 2011 | Approved

  Public Review Date: Aug 5, 2011 | Final Action Date: Nov 3, 2011 | Approved

AIAA (American Institute of Aeronautics and Astronautics)

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

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

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

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

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

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<td>ANSI/AIAA S-102.2.4-2015</td>
<td>Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements</td>
<td>November 28, 2014</td>
<td>Approved</td>
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<tr>
<td>ANSI/AIAA S-123-2007</td>
<td>Adoptions and Conversions of CCSDS Space Link Extension Forward Communications Link Transmission Unit Transfer Service</td>
<td>June 2, 2017</td>
<td>Approved</td>
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<td>ANSI/AIAA S-124-2007</td>
<td>Adoptions and Conversions of CCSDS Space Link Extension Return All Frames Transfer Service</td>
<td>June 2, 2017</td>
<td>Approved</td>
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<td>ANSI/AISC 342-2022</td>
<td>Seismic Provisions for the Evaluation and Retrofit of Existing Structural Steel Buildings</td>
<td>May 18, 2018</td>
<td>Approved</td>
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</tbody>
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## Approved American National Standards

### AISC (American Institute of Steel Construction)

  - PINS Date: May 7, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Aug 18, 2022 | Approved

  - PINS Date: May 3, 2019 | Public Review Date: Jan 27, 2022 | Final Action Date: Aug 1, 2022 | Approved

  - PINS Date: Aug 30, 2019 | Public Review Date: Feb 26, 2021 | Final Action Date: Jun 11, 2021 | Approved

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

  - 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)
  - 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

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

- **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)*  
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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

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

- **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)
  
  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 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 S916-2020**, Test Standard For Determining the Strength and Stiffness of Cold-Formed Steel-Framed Nonstructural Interior Partition Walls Sheathed With Gypsum Board (revision of ANSI/AISI S916-2015)
  
  PINS Date: Dec 21, 2018 | Public Review Date: Oct 23, 2020 | Final Action Date: Dec 17, 2020 | Approved

- **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

  
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- **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

  
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- **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

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ALI (ASC A14) (American Ladder Institute)

ANSI A14.1-2018, Portable Wood Ladders (new standard)
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)

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ANSI/AMCA 208-2018, Calculation of Fan Energy Index (new standard)
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<td>Jul 20, 2021</td>
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<td>Jul 23, 2021</td>
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ANS (American Nuclear Society)

  PINS Date: May 31, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 18, 2018 | Approved

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

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

- ANSI/ANS 2.2-2016 (R2020), Earthquake Instrumentation Criteria for Nuclear Power Plants (reaffirmation of ANSI/ANS 2.2-2016)
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# Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

<table>
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<th>ANSI/ANS 2.21-2022, Criteria for Assessing Atmospheric Effects on the Ultimate Heat Sink (revision of ANSI/ANS 2.21-2012 (R2016))</th>
<th><strong>PINS Date:</strong> Jun 14, 2019</th>
<th><strong>Public Review Date:</strong> Nov 26, 2021</th>
<th><strong>Final Action Date:</strong> Jan 27, 2022</th>
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<tbody>
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<td>ANSI/ANS 2.23-2016 (R2020), Nuclear Power Plant Response to an Earthquake (reaffirmation of ANSI/ANS 2.23-2016)</td>
<td><strong>Public Review Date:</strong> Sep 4, 2020</td>
<td><strong>Final Action Date:</strong> Nov 16, 2020</td>
<td><strong>Approved</strong></td>
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<td>ANSI/ANS 2.26-2004 (R2021), Categorization of Nuclear Facility Structures, Systems, and Components For Seismic Design (reaffirmation of ANSI/ANS 2.26-2004 (R2017))</td>
<td><strong>PINS Date:</strong> Oct 18, 2019</td>
<td><strong>Public Review Date:</strong> Oct 8, 2021</td>
<td><strong>Final Action Date:</strong> Dec 10, 2021</td>
<td><strong>Approved</strong></td>
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<td>ANSI/ANS 2.27-2020, Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments (revision of ANSI/ANS 2.27-2008 (R2016))</td>
<td><strong>PINS Date:</strong> Oct 13, 2017</td>
<td><strong>Public Review Date:</strong> Nov 15, 2019</td>
<td><strong>Final Action Date:</strong> Apr 16, 2020</td>
<td><strong>Approved</strong></td>
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<td>ANSI/ANS 2.29-2020, Probabilistic Seismic Hazard Analysis (revision of ANSI/ANS 2.29-2008 (R2016))</td>
<td><strong>PINS Date:</strong> Aug 4, 2017</td>
<td><strong>Public Review Date:</strong> Nov 15, 2019</td>
<td><strong>Final Action Date:</strong> Apr 16, 2020</td>
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<tr>
<td>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))</td>
<td><strong>Public Review Date:</strong> May 7, 2021</td>
<td><strong>Final Action Date:</strong> Jul 19, 2021</td>
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<td>ANSI/ANS 2.30-2015 (R2020), Criteria for Assessing Tectonic Surface Fault Rupture and Deformation at Nuclear Facilities (reaffirmation of ANSI/ANS 2.30-2015)</td>
<td><strong>Public Review Date:</strong> Feb 28, 2020</td>
<td><strong>Final Action Date:</strong> May 4, 2020</td>
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<tr>
<td>ANSI/ANS 2.6-2018, Guidelines for Estimating Present and Forecasting Future Population Distributions Surrounding Nuclear Facility Sites (new standard)</td>
<td><strong>PINS Date:</strong> Jul 8, 2016</td>
<td><strong>Public Review Date:</strong> Oct 27, 2017</td>
<td><strong>Final Action Date:</strong> Mar 16, 2018</td>
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<td>ANSI/ANS 2.8-2019, Probabilistic Evaluation of External Flood Hazards for Nuclear Facilities (new standard)</td>
<td><strong>PINS Date:</strong> Jan 27, 2012</td>
<td><strong>Public Review Date:</strong> Oct 18, 2019</td>
<td><strong>Final Action Date:</strong> Dec 17, 2019</td>
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<td>ANSI/ANS 3.1-2014 (R2020), Selection, Qualification, and Training of Personnel for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.1-2014)</td>
<td><strong>Public Review Date:</strong> Nov 29, 2019</td>
<td><strong>Final Action Date:</strong> Feb 4, 2020</td>
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<td>ANSI/ANS 3.11-2015 (R2020), Determining Meteorological Data for Nuclear Facilities (reaffirmation of ANSI/ANS 3.11-2015)</td>
<td><strong>Public Review Date:</strong> Mar 20, 2020</td>
<td><strong>Final Action Date:</strong> May 21, 2020</td>
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<tr>
<td>ANSI/ANS 3.14-2021, Process for Infrastructure Aging Management and Life Extension of Non-Reactor Nuclear Facilities (new standard)</td>
<td><strong>PINS Date:</strong> Feb 14, 2014</td>
<td><strong>Public Review Date:</strong> May 28, 2021</td>
<td><strong>Final Action Date:</strong> Aug 5, 2021</td>
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<td>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))</td>
<td><strong>Public Review Date:</strong> Mar 25, 2022</td>
<td><strong>Final Action Date:</strong> May 26, 2022</td>
<td><strong>Approved</strong></td>
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<tr>
<td>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)</td>
<td><strong>Public Review Date:</strong> Apr 27, 2018</td>
<td><strong>Final Action Date:</strong> Jul 2, 2018</td>
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<td>ANSI/ANS 3.5-2018, Nuclear Power Plant Simulators for Use in Operator Training and Examination (new standard)</td>
<td><strong>PINS Date:</strong> Jul 29, 2011</td>
<td><strong>Public Review Date:</strong> Jun 2, 2017</td>
<td><strong>Final Action Date:</strong> Oct 10, 2019</td>
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PINS Date: Jan 26, 2018 | Public Review Date: May 20, 2022 | Final Action Date: Jul 21, 2022 | Approved

Public Review Date: Dec 11, 2020 | Final Action Date: Feb 22, 2021 | Approved

ANSI/ANS 41.5-2012 (R2018), Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation (reaffirmation of ANSI/ANS 41.5-2012)
Public Review Date: Aug 17, 2018 | Final Action Date: Oct 19, 2018 | Approved

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

Public Review Date: Aug 2, 2019 | Final Action Date: Oct 3, 2019 | Approved

ANSI/ANS 5.4-2011 (R2020), Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel (reaffirmation of ANSI/ANS 5.4-2011)
Public Review Date: Feb 7, 2020 | Final Action Date: Apr 9, 2020 | Approved

PINS Date: Aug 31, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 23, 2020 | Approved

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PINS Date: Apr 2, 2021 | Public Review Date: Oct 15, 2021 | Final Action Date: Dec 2, 2021 | Approved

ANSI/ANS 56.8-2020, Containment System Leakage Test Requirements (revision of ANSI/ANS 56.8-2002 (R2016))
PINS Date: Jun 30, 2017 | Public Review Date: May 8, 2020 | Final Action Date: Dec 11, 2020 | Approved

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Public Review Date: Nov 27, 2020 | Final Action Date: Jan 28, 2021 | Approved

ANSI/ANS 57.3-2018, Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants (new standard)
PINS Date: Feb 22, 2013 | Public Review Date: Nov 3, 2017 | Final Action Date: Feb 27, 2018 | Approved

ANSI/ANS 57.8-2020, Fuel Assembly Identification (revision of ANSI/ANS 57.8-1995 (R2017))
PINS Date: Jan 25, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Aug 28, 2020 | Approved
<table>
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<tr>
<td>ANSI/ANS 58.14-2011 (R2022), Safety and Pressure Integrity Classification Criteria for Light Water Reactors</td>
<td>Public Review Date: Dec 3, 2021</td>
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<tr>
<td>(reaffirmation of ANSI/ANS 58.14-2011 (R2017))</td>
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<tr>
<td>ANSI/ANS 58.16-2014 (R2020), Safety Classification and Design Criteria for Non-Reactor Nuclear Facilities</td>
<td>Public Review Date: Feb 7, 2020</td>
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<td>(reaffirmation of ANSI/ANS 58.16-2014)</td>
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<td>(revision of ANSI/ANS 58.8-1994 (R2017))</td>
<td>--------------------------------------------------------------------------------------------------------</td>
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<tr>
<td>ANSI/ANS 58.9-2002 (R2020), Single Failure Criteria for Light Water Reactor Safety-Related Fluid Systems</td>
<td>Public Review Date: May 1, 2020</td>
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<td>(reaffirmation of ANSI/ANS 58.9-2002 (R2015))</td>
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<td>(reaffirmation of ANSI/ANS 59.51-1997 (R2015))</td>
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<td>(reaffirmation of ANSI/ANS 59.52-1998 (R2015))</td>
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<td>ANSI/ANS 6.1.1-2020, Neutron and Photon Fluence-to-Dose Conversion Coefficients (new standard)</td>
<td>PINS Date: Nov 9, 2018</td>
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<tr>
<td>ANSI/ANS 6.1.2-2013 (R2018), Neutron and Gamma-Ray Cross Sections for Nuclear Radiation Protection</td>
<td>Public Review Date: Aug 10, 2018</td>
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<tr>
<td>Calculations for Nuclear Power Plants (reaffirmation of ANSI/ANS 6.1.2-2013)</td>
<td>--------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>(reaffirmation of ANSI/ANS 6.3.1-1987 (R2015))</td>
<td>--------------------------------------------------------------------------------------------------------</td>
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<tr>
<td>ANSI/ANS 6.4-2006 (R2021), Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants</td>
<td>Public Review Date: Jun 4, 2021</td>
</tr>
<tr>
<td>(reaffirmation of ANSI/ANS 6.4-2006 (R2016))</td>
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<tr>
<td>ANSI/ANS 6.4.2-2006 (R2021), Specification for Radiation Shielding Materials</td>
<td>PINS Date: Feb 10, 2017</td>
</tr>
<tr>
<td>(reaffirmation of ANSI/ANS 6.4.2-2006 (R2016))</td>
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<tr>
<td>(reaffirmation of ANSI/ANS 6.6.1-2015)</td>
<td>--------------------------------------------------------------------------------------------------------</td>
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<tr>
<td>ANSI/ANS 8.1-2014 (R2018), Nuclear Criticality Safety in Operations with Fissionable Material Outside Reactors</td>
<td>PINS Date: Dec 22, 2017</td>
</tr>
<tr>
<td>(reaffirmation of ANSI/ANS 8.1-2014)</td>
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<td>(reaffirmation of ANSI/ANS 8.10-2015)</td>
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<td>Nuclear Criticality Control of Selected Actinide Nuclides</td>
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<tr>
<td>ANSI/ANS 8.22-1997</td>
<td>Nuclear Criticality Safety Based on Limiting and Controlling Moderators</td>
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<tr>
<td>ANSI/ANS 8.3-2022</td>
<td>Criticality Accident Alarm System</td>
</tr>
<tr>
<td>ANSI/ANS 8.5-1996</td>
<td>Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material</td>
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<tr>
<td>ANSI/ANS 8.6-1983</td>
<td>Safety in Conducting Subcritical Neutron-Multiplication Measurements in Situ</td>
</tr>
</tbody>
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APA (APA - The Engineered Wood Association)

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

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

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

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

ANSI/APCO 1.101.4-2022, Standard for Public Safety Telecommunicators When Responding to Calls of Missing, Abducted Sexually Exploited (revision and redesignation of ANSI/APCO 1.101.3-2015)
PINS Date: Oct 25, 2019 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 17, 2022 | Approved

ANSI/APCO 1.103.3-2022, Wireless 9-1-1 Deployment and Management of Effective Practices Guide (revision and redesignation of ANSI/APCO 1.103.2-2013)
PINS Date: Jan 5, 2018 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 8, 2022 | Approved

PINS Date: May 7, 2010 | Public Review Date: May 23, 2014 | Final Action Date: Apr 2, 2015 | Approved

ANSI/APCO 1.108.1-2018, Minimum Operational Standards for the Use of TTY/TDD or Similar Device in the Public Safety Communications Center (new standard)
PINS Date: Oct 1, 2010 | Public Review Date: Jun 29, 2018 | Final Action Date: Aug 16, 2018 | Approved

ANSI/APCO 1.110.1-2015, Multi-Functional Multi-Discipline Computer Aided Dispatch (CAD) Minimal Functional Requirements (new standard)
PINS Date: Feb 3, 2012 | Public Review Date: Oct 17, 2014 | Final Action Date: Jan 7, 2015 | Approved

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
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<td>ANSI/APCO 1.119.1-2021</td>
<td>Public Safety Telecommunicator Critical Incident Stress Debriefing Program</td>
<td>Approved</td>
<td>Sep 21, 2018</td>
<td>Jul 31, 2020</td>
<td>Apr 8, 2021</td>
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<td>ANSI/APCO 1.120.1-2021</td>
<td>Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators</td>
<td>Approved</td>
<td>Sep 15, 2017</td>
<td>Jun 18, 2021</td>
<td>Aug 31, 2021</td>
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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

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

  PINS Date: 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)
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  PINS Date: Nov 2, 2018 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Sep 29, 2017 | Public Review Date: Mar 23, 2018 | Final Action Date: Jun 7, 2018 | Approved

- 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)
  PINS Date: Feb 15, 2019 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 18, 2022 | Approved

  PINS Date: Sep 8, 2017 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 17, 2019 | Approved

- ANSI/APCO 3.111.1-2022, Detecting Early Warning Symptoms of Stress in Public Safety Telecommunicators (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 8, 2022 | 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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APCO (Association of Public-Safety Communications Officials-International)

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API (American Petroleum Institute)

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

  Public Review Date: Apr 8, 2022 | Final Action Date: Jul 21, 2022 | Approved

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

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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)
  PINS Date: May 25, 2018 | Public Review Date: Jun 10, 2022 | Final Action Date: Aug 19, 2022 | Approved

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

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<tr>
<td>ANSI/API RP 2GEO/ISO 19901:2003</td>
<td>Geotechnical and Foundation Design Considerations</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/API RP 2N/ISO 19906:2010</td>
<td>Planning, Designing, and Constructing Structures and Pipelines for Arctic Conditions</td>
<td>Approved</td>
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<tr>
<td>ANSI/API RP 2TOP-2019</td>
<td>Topsides Structure</td>
<td>Approved</td>
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<tr>
<td>ANSI/API RP 3000-2014</td>
<td>Classifying and Loading of Crude Oil into Rail Tank Cars</td>
<td>Approved</td>
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<tr>
<td>ANSI/API RP 5A5/ISO 15463-2010</td>
<td>Field Inspection of New Casing, Tubing, and Plain-end Drill Pipe</td>
<td>Approved</td>
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<tr>
<td>ANSI/API Spec 5CRA/ISO 13680-2022</td>
<td>Corrosion Resistant Alloy Seamless Products for Use as Casing, Tubing, Coupling Stock and Accessory Material</td>
<td>Approved</td>
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API (American Petroleum Institute)

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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

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

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  PINS Date: Dec 16, 2016 | Public Review Date: Nov 9, 2018 | Final Action Date: Mar 27, 2019 | Approved

APTech (ASC B65) (Association for Print Technologies)

- ANSI B65-1-2011 (R2022), Graphic Technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (reaffirm a national adoption ANSI B65-1-2011)
  Public Review Date: Mar 4, 2022 | Final Action Date: Aug 24, 2022 | Approved

- ANSI B65-2-2011 (R2022), Graphic technology — Safety requirements for graphic technology equipment and systems — Part 2: Prepress and press equipment and systems (reaffirm a national adoption ANSI B65-2-2011)
  Public Review Date: Mar 4, 2022 | Final Action Date: Aug 24, 2022 | Approved
APTech (ASC B65) (Association for Print Technologies)

- ANSI B65-3-2011 (R2022), Graphic technology — Safety requirements for graphic technology equipment and systems — Part 3: Binding and finishing equipment and systems (reaffirm a national adoption ANSI B65-3-2011)
  Public Review Date: Mar 4, 2022 | Final Action Date: Aug 24, 2022 | Approved

- ANSI B65-5-2011 (R2022), Graphic technology — Safety requirements for graphic technology equipment and systems — Part 5: Stand-alone platen presses (reaffirm a national adoption ANSI B65-5-2011)
  Public Review Date: Mar 4, 2022 | Final Action Date: Aug 3, 2022 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 7, 2018 | Approved

- ANSI B65/NAPIM 177.2-2017, Safety standard - Printing ink vertical post mixers (revision of ANSI/NAPIM 177.2 -2006 (R2011))
  PINS Date: Jan 20, 2017 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 15, 2017 | Approved

APTech (ASC CGATS) (Association for Print Technologies)

- ANSI CGATS 12642-1 (IT8.7/3)-2015 (R2020), Graphic technology — Input data for characterization of four-colour process printing — Part 1: Initial data set (reaffirm a national adoption ANSI CGATS 12642-1 (IT8.7/3)-2015)
  Public Review Date: Apr 24, 2020 | Final Action Date: Jun 23, 2020 | Approved

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  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved

- ANSI CGATS.22-2022, Graphic technology — Spectral reflection metrology — Certified reference materials — Documentation and procedures for use, including determination of combined standard uncertainty (new standard)
  PINS Date: Jul 9, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Apr 5, 2022 | Approved

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

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

- ANSI CGATS.9-2019, Graphic technology Graphic arts transmission densitometry measurements Terminequations, 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

  Public Review Date: Feb 12, 2021 | Final Action Date: Apr 16, 2021 | Approved

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Approved American National Standards

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APTech (ASC CGATS) (Association for Print Technologies)

- ANSI CGATS/ISO 12641-1-2018, Graphic technology - Prepress digital data exchange - Colour targets for input scanner calibration - Part 1: Colour targets for input scanner calibration (identical national adoption of ISO 12641-1)
  PINS Date: Aug 11, 2017 | Public Review Date: Oct 6, 2017 | Final Action Date: Feb 27, 2018 | Approved

  Public Review Date: Sep 9, 2022 | Final Action Date: Nov 11, 2022 | 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

  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

  PINS Date: Jul 24, 2020 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 8, 2021 | Approved

  Public Review Date: Sep 14, 2018 | Final Action Date: Mar 14, 2019 | Approved

- ANSI/CGATS/ISO 12639 Amd1-2006, Graphic technology - Prepress digital data exchange - Tag image file format for image technology (TIFF/IT) - Amendment 1 (identical national adoption of ISO 12639:2004 AMD1)
  Public Review Date: Feb 24, 2006 | Final Action Date: Jun 14, 2006 | Approved

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

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APTech (ASC CGATS) (Association for Print Technologies)

  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))
  Public Review Date: Feb 26, 2021 | Final Action Date: Sep 27, 2021 | Approved

- ANSI/CGATS/ISO 15930-7-2010 (R2021), Graphic technology — Prepress digital data exchange using PDF Part 7: Complete exchange of printing data (PDF/X4) and partial exchange of printing data with external profile reference (PDF/X4p) using PDF 1.6 (reaffirm a national adoption ANSI/CGATS/ISO 15930-7-2010 (R2016))
  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))
  Public Review Date: Jul 9, 2021 | Final Action Date: Sep 7, 2021 | Approved

ARESCA (American Renewable Energy Standards and Certification Association)

- ANSI/ARESCA 61400-3-1-2022, Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines (identical national adoption of IEC 61400-3-1:2019)
  PINS Date: Feb 11, 2022 | Public Review Date: May 6, 2022 | Final Action Date: Sep 26, 2022 | Approved

- ANSI/ARESCA 61400-3-2-2022, Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines (identical national adoption of IEC TS 61400-3-2:2019)
  PINS Date: Feb 11, 2022 | Public Review Date: May 6, 2022 | Final Action Date: Sep 26, 2022 | Approved

ASA (ASC S1) (Acoustical Society of America)

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  Public Review Date: Mar 20, 2020 | Final Action Date: May 28, 2020 | Approved
ASA (ASC S1) (Acoustical Society of America)

  Public Review Date: Mar 20, 2020 | Final Action Date: May 28, 2020 | Approved

- ANSI/ASA S1.13-2020, Measurement of Sound Pressure Levels in the Air (new standard)  
  PINS Date: Jun 26, 2015 | Public Review Date: May 22, 2020 | Final Action Date: Jul 28, 2020 | Approved

  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 5, 2018 | Approved

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  PINS Date: Jan 1, 2021 | Public Review Date: Apr 16, 2021 | Final Action Date: Jul 12, 2021 | Approved

- 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)  
  PINS Date: Jan 1, 2021 | Public Review Date: Apr 16, 2021 | Final Action Date: Jul 12, 2021 | Approved

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ASA (ASC S1) (Acoustical Society of America)

- ANSI/ASA S1.18-2018, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2010)
  PINS Date: Apr 4, 2014 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

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

- ANSI/ASA S1.22-2021/IEC 60263-2020, Scales and sizes for plotting frequency characteristics and polar diagrams (identical national adoption of IEC 60263:2020)
  PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Mar 8, 2021 | Approved

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

- ANSI/ASA S1.8-2016 (R2020), Reference Values for Levels Used in Acoustics and Vibrations (reaffirmation of ANSI/ASA S1.8-2016)
  Public Review Date: Mar 20, 2020 | Final Action Date: May 28, 2020 | Approved
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ANSI/ASA S12.2-2019, Criteria for Evaluating Room Noise  (new standard)
PINS Date: Jan 24, 2014 | Public Review Date: Mar 29, 2019 | Final Action Date: May 21, 2019 | Approved
ASA (ASC S12) (Acoustical Society of America)

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- ANSI/ASA S12.51-2012/ISO 3741-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms (reaffirm a national adoption ANSI ASA S12.51-2012/ISO 3741-2010 (R2017))
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved

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- ANSI/ASA S12.54-2011/ISO 3744-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (reaffirm a national adoption ANSI/ASA S12.54-2011/ISO 3744-2010 (R2016))
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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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  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved

- ANSI/ASA S12.61-2020, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (new standard)
  PINS Date: Oct 18, 2019 | Public Review Date: May 29, 2020 | Final Action Date: Jul 31, 2020 | Approved

  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 22, 2020 | Approved

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  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 18, 2020 | Approved
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## Approved American National Standards

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ASA (ASC S2) (Acoustical Society of America)

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

- ANSI/ASA S2.2-1959 (R2020), Methods for the Calibration of Shock and Vibration Pickups  (reaffirmation of ANSI/ASA S2.2-1959 (R2016))
  - Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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

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

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  Public Review Date: Jun 14, 2019 | Final Action Date: Aug 15, 2019 | Approved

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

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- **ANSI/ASA S2.75-2017/Part 2 (R2020), Shaft Alignment Methodology, Part 2: Vocabulary** (reaffirmation of ANSI/ASA S2.75-2017/Part 2)
  - Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

- **ANSI/ASA S2.75-2021/Part 3, Shaft Alignment Methodology, Part 3: Alignment of Vertically Oriented Rotating Machinery (new standard)**
  - PINS Date: Aug 31, 2018 | Public Review Date: Jul 9, 2021 | Final Action Date: Nov 4, 2021 | Approved

- **ANSI/ASA S2.8-2007 (R2020), Technical Information Used for Resilient Mounting Applications** (reaffirmation of ANSI/ASA S2.8-2007 (R2017))
  - Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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- ANSI/ASA S2.9-2008 (R2018), Parameters for Specifying Damping Properties of Materials and System Damping (reaffirmation of ANSI/ASA S2.9-2008 (R2013))
  Public Review Date: Apr 20, 2018 | Final Action Date: Jun 13, 2018 | Approved

ASA (ASC S3) (Acoustical Society of America)

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- ANSI/ASA S3.22-2014 (R2020), Specification of Hearing Aid Characteristics (reaffirmation of ANSI ASA S3.22-2014)
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

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- ANSI/ASA S3.36-2012 (R2022), Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI/ASA S3.36-2012 (R2018))
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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))
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

- ANSI/ASA S3.41-2015 (R2020), Audible Emergency Evacuation (E2) and Evacuation Signals with Relocation Instructions (ESRI) (reaffirmation of ANSI ASA S3.41-2015)
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

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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))
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

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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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ASA (ASC S3) (Acoustical Society of America)

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- ANSI/ASA S3.6-2018, Specification for Audiometers (revision of ANSI/ASA S3.6-2010)
  PINS Date: Mar 13, 2015 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/ASA S3.7-2016 (R2020), Method for Measurement and Calibration of Earphones (reaffirmation of ANSI ASA S3.7-2016)
  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 5, 2020 | Approved

- ANSI/ASA S3.71-2019, Methods for Measuring the Effect of Head-worn Devices on Directional Sound Localization in the Horizontal Plane (new standard)
  PINS Date: Feb 10, 2017 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 30, 2019 | Approved

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ASABE (American Society of Agricultural and Biological Engineers)

- 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

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- 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

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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)
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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

  Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI/ASABE AD500-2:OCT2016 (R2020), Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 2: Narrow-tracktractors, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASABE AD500-2:OCT2016)
  Public Review Date: Oct 30, 2020 | Final Action Date: Dec 21, 2020 | Approved

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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
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### 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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### ANSI/ASABE AD8759-4-2019, Agricultural tractors — Front-mounted equipment — Part 4: Three-point linkage (national adoption with modifications of ISO 8759-4:2018)
- 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

- PINS Date: Apr 17, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Mar 16, 2021 | Approved

### ANSI/ASABE S516-2014 (R2018), Terminology for Forest Operations and Equipment (reaffirmation of ANSI/ASABE S516-2014)
- Public Review Date: Oct 12, 2018 | Final Action Date: Dec 31, 2018 | Approved
<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Standard Title</th>
<th>Approval Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/ASABE S598 JAN2010-2016</td>
<td>Procedure for Sampling, Measuring and Reporting Commingled Crop in Combine Harvest of a Subsequent Crop (reaffirmation of ANSI/ASABE S598 JAN2010-2016)</td>
<td>Public Review Date: Nov 1, 2019</td>
</tr>
<tr>
<td>ANSI/ASABE S613-4-AUG2017-2022</td>
<td>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)</td>
<td>Public Review Date: Nov 19, 2021</td>
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ASABE (American Society of Agricultural and Biological Engineers)

  PINS Date: Jun 1, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 22, 2019 | Approved

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- ANSI/ASABE S627.1 MON-2022, Weather-based Landscape Irrigation Control systems (revision and redesignation of ANSI/ASABE S627 DEC-2020)
  PINS Date: Nov 12, 2021 | Public Review Date: Jul 22, 2022 | Final Action Date: Oct 24, 2022 | Approved

- ANSI/ASABE S629-2016 (R2021), Framework to Evaluate the Sustainability of Agricultural Production Systems (reaffirmation of ANSI/ASABE S629-2016)
  Public Review Date: Nov 13, 2020 | Final Action Date: Mar 25, 2021 | Approved

  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

  PINS Date: Mar 29, 2013 | Public Review Date: Feb 21, 2020 | Final Action Date: May 11, 2020 | Approved

- ANSI/ASABE S638-MAY19, Pintle Hitch and Ring for Over the Road Towed Implements (new standard)
  PINS Date: Apr 8, 2016 | Public Review Date: Feb 22, 2019 | Final Action Date: May 21, 2019 | Approved

  PINS Date: Sep 28, 2018 | Public Review Date: Nov 9, 2018 | Final Action Date: Feb 5, 2019 | Approved

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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASABE S641-MAY2018 (R2022), Droplet Size Classification of Aerial Application Nozzles  
  (reaffirmation of ANSI/ASABE S641-MAY2018) 
  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

- 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

  (new standard) 
  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 S648-3.1 MONYEAR-2022, Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines  
  (revision and redesignation of ANSI/ASABE S648-3 MONYEAR-2020) 
  PINS Date: Apr 1, 2022 | Public Review Date: May 27, 2022 | Final Action Date: Dec 1, 2022 | Approved

- ANSI/ASABE S648-4.1-2021, Agricultural Field Equipment Braking — Part 4: Requirements for Towed Vehicles  
  (revision and redesignation of ANSI/ASABE S648-4 MONYEAR-2020) 
  PINS Date: Jan 1, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Nov 17, 2021 | Approved

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

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

- ANSI/ASABE S648-5.2 MONYEAR-2022, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles  
  (revision and redesignation of ANSI/ASABE S648-5.1 NOV2021) 
  PINS Date: Apr 1, 2022 | Public Review Date: May 27, 2022 | Final Action Date: Dec 1, 2022 | Approved

- ANSI/ASABE S660 MONYEAR-2022, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators  
  (new standard) 
  PINS Date: Mar 12, 2021 | Public Review Date: Jul 22, 2022 | Final Action Date: Sep 6, 2022 | 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

- ANSI/ASABE/ISO 12003-1-MONYEAR-2022, Tractors for agriculture and forestry — Roll-over protective structures on narrow tractors — Part 1: Front-mounted ROPS  
  (identical national adoption of ISO 12003-1:2021 and revision of ANSI/ASABE/ISO 12003-1-SEP17) 
  PINS Date: Aug 6, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 14, 2022 | Approved

- ANSI/ASABE/ISO 12003-2-2022 MONYEAR, Tractors for agriculture and forestry — Roll-over protective structures on narrow tractors — Part 2: Rear-mounted ROPS  
  (identical national adoption of ISO 12003-2:2021 and revision of ANSI/ASABE/ISO 12003-2-2008 SEP2107) 
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  (reaffirm a national adoption ANSI/ASABE/ISO 12188-2-2015)
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<td>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)</td>
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<td>ANSI/ASABE/NFBA S618 DEC2010</td>
<td>Post Frame Building system Nomenclature (reaffirmation and redesignation of ANSI/ASABE S618 DEC2010 (R2016))</td>
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<td>ANSI/ASAE D241.4-FEB93</td>
<td>Density, Specific Gravity, and Mass-Moisture Relationships of Grain for Storage (reaffirmation of ANSI/ASAE D241.4-FEB93 (R2017))</td>
<td>Approved</td>
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<td>ANSI/ASAE EP302.4-AUG93</td>
<td>Design and Construction of Surface Drainage Systems on Agricultural Lands in Humid Areas (reaffirmation of ANSI/ASAE EP302.4-AUG93 (R2017))</td>
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<td>ANSI/ASAE EP378.4 JUN2010</td>
<td>Floor and Suspended Loads on Agricultural Structures Due to Use (reaffirmation of ANSI/ASAE EP378.4 JUN2010 (R2014))</td>
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### ASABE (American Society of Agricultural and Biological Engineers)

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

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

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

- **ANSI/ASAE EP411.5-2012 (R2021)**, Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers  (reaffirmation of ANSI/ASAE EP411.5-2012 (R2016))
  - Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | **Approved**

- **ANSI/ASAE EP446.3-2008 (R2022)**, Loads Exerted by Irish Potatoes in Shallow Bulk Storage Structure  (reaffirmation of ANSI/ASAE EP446.3-2008 (R2017))
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- **ANSI/ASAE S229.6-DEC1976 (R2017)**, Baling Wire for Automatic Balers  (reaffirmation of ANSI/ASAE S229.6-DEC1976 (R2012))
  - Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | **Approved**

- **ANSI/ASAE S261.7-OCT96 (R2020)**, Design and Installation of Nonreinforced Concrete Irrigation Pipe Systems  (reaffirmation of ANSI/ASAE S261.7-OCT96 (R2015))
  - Public Review Date: Oct 2, 2020 | Final Action Date: Nov 17, 2020 | **Approved**

- **ANSI/ASAE S276.8 APR2016 (R2020)** Cor 1, Slow-Moving Vehicle Identification Emblem (SMV Emblem)  (reaffirmation of ANSI/ASAE S276.8-2016)
  - Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | **Approved**

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- **ANSI/ASAE S279.18 MONYEAR-2019**, Lighting and Marking of Agricultural Equipment on Highways  (revision and redesignation of ANSI/ASAE S279.17-2013 (R2017))
  - PINS Date: Feb 24, 2017 | Public Review Date: Apr 19, 2019 | Final Action Date: Oct 14, 2019 | **Approved**

- **ANSI/ASAE S289.2 FEB1998 (R2018)**, Concrete Slip-Form Canal Linings  (reaffirmation of ANSI/ASAE S289.2 FEB1998 (R2013))
  - Public Review Date: Oct 12, 2018 | Final Action Date: Nov 29, 2018 | **Approved**
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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S296.5 DEC2003 (R2018), General Terminology for Traction of Agricultural Traction and Transport Devices and Vehicles (reaffirmation and redesignation of ANSI/ASAE S296.5 DEC2003 (R2013))
  Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

- 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 S318.19 MONYEAR, Safety for Agricultural Field Equipment (revision and redesignation of ANSI/ASAE S318.18 JUN2017)
  PINS Date: Jun 25, 2021 | Public Review Date: Jun 3, 2022 | Final Action Date: Oct 21, 2022 | Approved

- ANSI/ASAE S319.4-2008 (R2022), Method of Determining and Expressing Fineness of Feed Materials by Sieving (reaffirmation of ANSI/ASAE S319.4-2008 (R2017))
  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | 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

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- ANSI/ASAE S358.3 MAY2012 (R2021), Moisture Measurement - Forages (reaffirmation of ANSI/ASAE S358.3 MAY2012 (R2017))
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

- 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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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S376.3-2016 (R2020), Design, Installation and Performance of Underground, Thermoplastic Irrigation Pipes  (reaffirmation of ANSI/ASAE S376.3-2016)
  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 17, 2020 | Approved

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- ANSI/ASAE S397.4 NOV2013 (R2018), Electrical Service and Equipment for Irrigation  (reaffirmation of ANSI/ASAE S397.4-NOV-2013)
  Public Review Date: Oct 19, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/ASAE S401.2-AUG93 (R2022), Guidelines for Use of Thermal Insulation in Agricultural Buildings  (reaffirmation of ANSI/ASAE S401.2-AUG93 (R2017))
  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

- ANSI/ASAE S418.1 OCT2010 (R2019), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors  (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2014))
  Public Review Date: Nov 1, 2019 | Final Action Date: Dec 17, 2019 | Approved

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- ANSI/ASAE S424.1-SEP92 (R2022), Method of Determining and Expressing Particle Size of Chopped Forage Materials by Screening  (reaffirmation of ANSI/ASAE S424.1-SEP92 (R2017))
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

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- ANSI/ASAE S448.2-2014 (R2022), Thin-Layer Drying of Agricultural Crops  (reaffirmation of ANSI/ASAE S448.2-2014 (R2018))
  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

- ANSI/ASAE S459-FEB93 (R2021), Shear and Three-Point Bending Test of Animal Bone  (reaffirmation of ANSI/ASAE S459-FEB93 (R2017))
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Approved American National Standards

ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S478.1-2012 (R2022), Roll-Over Protective Structures (ROPS) for Compact Utility Tractors (reaffirmation of ANSI/ASAE S478.1-2012 (R2016))
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

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

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

- ANSI/ASAE S521-DEC91 (R2022), Method of Determining Peanut Blanchability (reaffirmation of ANSI/ASAE S521-DEC91 (R2016))
  Public Review Date: Sep 16, 2022 | Final Action Date: Nov 28, 2022 | Approved

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

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

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

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- ANSI/ASABE S9192-2002 (R2022), Lawn and garden ride-on (riding) tractors — One-point tubular sleeve hitch (reaffirm a national adoption ANSI/ASABE/SO 9192-2002 (R2017))
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

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- ANSI/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/NFBA EP486.3-2017)
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## Approved American National Standards

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<td>PINS Date: Apr 27, 2018</td>
<td>Public Review Date: Jun 8, 2018</td>
<td>Final Action Date: Aug 7, 2018</td>
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<td>(stabilized maintenance of ANSI X9.100-130-2011 (R2017))</td>
<td>Public Review Date: Jul 29, 2022</td>
<td>Final Action Date: Oct 12, 2022</td>
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<td>(revision of ANSI X9.100-140-2016)</td>
<td>PINS Date: Apr 27, 2018</td>
<td>Public Review Date: Jun 22, 2018</td>
<td>Final Action Date: Aug 10, 2018</td>
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<td>Public Review Date: Jul 29, 2022</td>
<td>Final Action Date: Sep 22, 2022</td>
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<td>Final Action Date: Sep 23, 2022</td>
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<td>(stabilized maintenance of ANSI X9.100-161-2010 (R2017))</td>
<td>Public Review Date: Jul 29, 2022</td>
<td>Final Action Date: Sep 22, 2022</td>
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<td>(stabilized maintenance of ANSI X9.100-170-2010 (R2017))</td>
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<td>Final Action Date: Sep 22, 2022</td>
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<td>Public Review Date: Jun 15, 2018</td>
<td>Final Action Date: Aug 10, 2018</td>
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<td>(stabilized maintenance of ANSI X9.100-182-2011 (R2017))</td>
<td>Public Review Date: Jul 29, 2022</td>
<td>Final Action Date: Sep 23, 2022</td>
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Approved American National Standards

ASC X9 (Accredited Standards Committee X9, Incorporated)

- ANSI X9.100-183-2010 (S2022), Electronic Check Adjustments (stabilized maintenance of ANSI X9.100-183-2010 (R2017))
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- ANSI X9.100-189-2019, Savings Bond Paying Agent Virtual Stamp (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 8, 2019 | Approved

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| ANSI X9.112-3-2018, Wireless Management and Security Part 3: Mobile Banking | (new standard) | PINS Date: Jan 1, 2010 | Public Review Date: Apr 6, 2018 | Final Action Date: Jul 10, 2018 | Approved  |
| ANSI X9.122-2020, Secure Consumer Authentication for Internet Debit Transactions | (new standard) | PINS Date: Dec 18, 2009 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 24, 2020 | Approved  |
| ANSI X9.124-2-2018, Symmetric Key Cryptography For the Financial Services Industry — Format Preserving Encryption- Part 2:Key Stream with Counter Mode (new standard) | PINS Date: Dec 9, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Feb 14, 2018 | Approved |
| ANSI X9.124-5-2021, Format Preserving Encryption of Financial Information-Part 5 (new standard) | PINS Date: Jan 26, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Jan 14, 2021 | Approved |
| ANSI X9.134-2-2021, Security and Data Protection for Mobile Financial Services (national adoption with modifications of ISO 12812-2) | PINS Date: Oct 4, 2019 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 9, 2021 | Approved |
| ANSI X9.134-3-2022, Mobile Financial Services – Part 3: Financial Application Lifecycle and Management (national adoption with modifications of ISO 12812) | PINS Date: Jun 12, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 28, 2022 | Approved |
| ANSI X9.134-4-2022, Core Banking: Mobile Financial Services – Part 4: Mobile Payments-to-Persons (national adoption with modifications of ISO 12812 Part 4) | PINS Date: Jul 3, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 28, 2022 | Approved |
| ANSI X9.134-5-2022, Mobile Financial Services – Part 5: Mobile Payments to Businesses (national adoption with modifications of ISO 12812-Part 5) | PINS Date: Mar 11, 2022 | Public Review Date: Jun 17, 2022 | Final Action Date: Aug 24, 2022 | Approved |
ASC X9 (Accredited Standards Committee X9, Incorporated)

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- ANSI X9.142-2020, Public Key Cryptography: The Elliptic Curve Digital Signature Algorithm (ECDSA) (new standard)
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- ANSI X9.24-3-2017, X9.24-3 Retail Financial Services Symmetric Key Management Part 3: Derived Unique Key per Transaction (new standard)
  PINS Date: Aug 5, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | Approved

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- ANSI X9.6-2020, Committee on Uniform Security Identification Procedures Securities Identification (CUSIP) (revision of ANSI X9.6-2014)
  PINS Date: Feb 28, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

- ANSI X9.63-2011 (R2017), Key Agreement and Key Management Using Elliptic Curve-Based Cryptography (reaffirmation of ANSI X9.63-2011)
  PINS Date: Nov 25, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

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- ANSI X9.73-2017, Cryptographic Message Syntax - ASN.1 and XML (revision of ANSI X9.73-2010 (R2017))
  PINS Date: Apr 28, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 28, 2017 | Approved
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### Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

<table>
<thead>
<tr>
<th>ASC X9 (Accredited Standards Committee X9, Incorporated)</th>
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<th>ASCA (Accredited Snow Contractors Association)</th>
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<tr>
<td>ANSI/ASCA A1000-2019, System Requirements for Snow and Ice Management  (revision of ANSI/ASCA A1000-2014)</td>
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<tr>
<td>ANSI/ASCE/CI 71-2021, Identifying, Quantifying, and Proving Loss of Productivity  (new standard)</td>
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<tr>
<td>ANSI/ASCE/EWRI 39-2015, Guidelines for Operational Hail Suppression Programs  (new standard)</td>
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ASCE (American Society of Civil Engineers)

  PINS Date: Mar 11, 2016 | Public Review Date: Jun 3, 2016 | Final Action Date: Nov 16, 2016 | Approved

- ANSI/ASCE/EWRI 54-2016, Standard Guideline for the Geostatistical Estimation and Block-Averaging of Homogeneous and Isotropic Saturated Hydraulic Conductivity (new standard)
  PINS Date: Mar 11, 2016 | Public Review Date: Jun 3, 2016 | Final Action Date: Nov 16, 2016 | Approved

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- ANSI/ASCE/EWRI 63-2016, Standard Guidelines for the Installation of Stormwater Impoundments (new standard)
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- ANSI/ASCE/EWRI 64-2016, Standard Guidelines for the Operation and Maintenance of Stormwater Impoundments (new standard)
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- ANSI/ASCE/EWRI 65-2016, Calculation of the Saturated Hydraulic Conductivity of Fine-Grained Soils (new standard)
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- ANSI/ASHRAE 135.1r-2018, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2013)
  Public Review Date: Jan 27, 2017 | Final Action Date: Jun 1, 2018 | Approved

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

- ANSI/ASHRAE 135bg-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2012)
  Public Review Date: Jul 31, 2015 | Final Action Date: Mar 1, 2016 | Approved

- ANSI/ASHRAE 135bh-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2012)
  Public Review Date: Jul 31, 2015 | Final Action Date: Mar 1, 2016 | Approved

- ANSI/ASHRAE 135bi-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
  Public Review Date: Oct 20, 2017 | Final Action Date: Jun 14, 2018 | Approved

- ANSI/ASHRAE 135bk-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
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- ANSI/ASHRAE 135bl-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
  Public Review Date: Jan 27, 2017 | Final Action Date: Jun 14, 2018 | Approved

- ANSI/ASHRAE 135bm-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
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- ANSI/ASHRAE 135bn-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
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- ANSI/ASHRAE 135bp-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2016)
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- ANSI/ASHRAE 135d-2006, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE 135-1995)
  Public Review Date: Mar 17, 2006 | Final Action Date: Jun 30, 2006 | Approved

- ANSI/ASHRAE 135e-2007, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE 135-2004)
  Public Review Date: Mar 17, 2006 | Final Action Date: Mar 26, 2007 | Approved

- ANSI/ASHRAE 135f-2007, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE 135-2004)
  Public Review Date: Sep 22, 2006 | Final Action Date: Mar 26, 2007 | Approved

- ANSI/ASHRAE 135j-2009, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2008)
  Public Review Date: Mar 21, 2008 | Final Action Date: Jun 25, 2009 | Approved

- ANSI/ASHRAE 135l-2009, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE Standard 135-2008)
  Public Review Date: Mar 20, 2009 | Final Action Date: Jun 25, 2009 | Approved

- ANSI/ASHRAE 135m-2008, BACnet - A Data Communication Protocol for Building Automation and Control Networks
  (addenda to ANSI/ASHRAE 135-2004)
  Public Review Date: Mar 21, 2008 | Final Action Date: Oct 27, 2008 | Approved
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<td>Methods of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)</td>
<td>PINS Date: Feb 13, 2015</td>
<td>Dec 1, 2017</td>
<td>Aug 1, 2018</td>
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<td>Air Quality within Commercial Aircraft</td>
<td>Mar 20, 2009</td>
<td>Jun 25, 2009</td>
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<td>Air Quality within Commercial Aircraft</td>
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- ANSI/ASHRAE 34a-2007, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34a-2017, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34aa-2012, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34ab-2016, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34ac-2016, Designation and Safety Classification of Refrigerants  (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34C-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34g-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)
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- ANSI/ASHRAE 34h-2018, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Nov 3, 2017 | Final Action Date: Jan 25, 2018 | Approved
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<th>Title</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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</table>
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

- ANSI/ASHRAE 34q-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 21, 2008 | Final Action Date: Jun 26, 2008 | Approved

- ANSI/ASHRAE 34q-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Mar 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

- ANSI/ASHRAE 34r-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 21, 2008 | Final Action Date: Jun 26, 2008 | Approved

- ANSI/ASHRAE 34r-2015, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Mar 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

- ANSI/ASHRAE 34s-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 21, 2008 | Final Action Date: Jun 26, 2008 | Approved

  Public Review Date: Mar 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

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

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  Public Review Date: Mar 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

  Public Review Date: Mar 21, 2008 | Final Action Date: Jun 26, 2008 | Approved

- ANSI/ASHRAE 34u-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Sep 4, 2015 | Final Action Date: Jan 28, 2016 | Approved

  Public Review Date: Sep 22, 2006 | Final Action Date: Mar 27, 2007 | Approved

- ANSI/ASHRAE 34v-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Sep 4, 2015 | Final Action Date: Jan 28, 2016 | Approved

  Public Review Date: Sep 12, 2008 | Final Action Date: Nov 18, 2009 | Approved

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

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  Public Review Date: Feb 26, 2016 | Final Action Date: Jun 30, 2016 | Approved

- ANSI/ASHRAE 34z-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
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<th>Public Review Date</th>
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<td>ANSI/ASHRAE 34z-2016</td>
<td>Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)</td>
<td>Feb 26, 2016</td>
<td>Jun 30, 2016</td>
<td>Approved</td>
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<td>ANSI/ASHRAE 52.2g-2016</td>
<td>Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)</td>
<td>Oct 2, 2015</td>
<td>Dec 30, 2016</td>
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<td>Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)</td>
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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

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- ANSI/ASHRAE Addendum 34t-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34w-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34x-2009, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)
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Approved American National Standards

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

  Public Review Date: Apr 26, 2013 | Final Action Date: Jul 3, 2014 | Approved

  Public Review Date: May 15, 2020 | Final Action Date: Sep 1, 2020 | Approved

  Public Review Date: May 6, 2022 | Final Action Date: Aug 31, 2022 | Approved

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**Approved American National Standards**

The data in this document is reported as of Monday, December 12, 2022

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  Public Review Date: Jul 23, 2021 | Final Action Date: Sep 30, 2021 | Approved

  Public Review Date: Aug 23, 2019 | Final Action Date: Nov 5, 2019 | Approved

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  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 9, 2019 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

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  Public Review Date: Sep 14, 2007 | Final Action Date: Jun 26, 2008 | Approved

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

  (addenda to ANSI/ASHRAE Standard 154-2016)  
  Public Review Date: Sep 17, 2021 | Final Action Date: Oct 29, 2021 | Approved

- **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

  (addenda to ANSI/ASHRAE Standard 15-2019)  
  Public Review Date: Apr 1, 2022 | Final Action Date: May 31, 2022 | Approved

  (addenda to ANSI/ASHRAE Standard 154-2016)  
  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 30, 2022 | Approved

- **ANSI/ASHRAE Addendum n to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants**  
  (addenda to ANSI/ASHRAE Standard 34-2019)  
  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 30, 2020 | Approved

  (addenda to ANSI/ASHRAE Standard 15-2019)  
  Public Review Date: Jan 14, 2022 | Final Action Date: Apr 29, 2022 | Approved

  (addenda to ANSI/ASHRAE Standard 154-2016)  
  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 30, 2022 | Approved

- **ANSI/ASHRAE Addendum o to ANSI/ASHRAE Standard 55-2010, Thermal Environmental Conditions for Human Occupancy**  
  (addenda to ANSI/ASHRAE Standard 55-2010)  
  Public Review Date: Apr 19, 2013 | Final Action Date: Jul 24, 2013 | Approved

- **ANSI/ASHRAE Addendum o to ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality**  
  (addenda to ANSI/ASHRAE Standard 62.1-2010)  
  Public Review Date: Mar 22, 2013 | Final Action Date: Jul 24, 2013 | Approved

  (addenda to ANSI/ASHRAE Standard 15-2019)  
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- **ANSI/ASHRAE Addendum p to ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants**  
  (addenda to ANSI/ASHRAE Standard 34-2019)  
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- **ANSI/ASHRAE Addendum p to ANSI/ASHRAE Standard 55-2010, Thermal Environmental Conditions for Human Occupancy**  
  (addenda to ANSI/ASHRAE Standard 55-2010)  
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  Public Review Date: Feb 25, 2022 | Final Action Date: May 31, 2022 | 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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  Public Review Date: Jun 10, 2022 | Final Action Date: Aug 31, 2022 | Approved

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PINS Date: Feb 17, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Oct 29, 2021 | Approved

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

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PINS Date: Feb 15, 2013 | Public Review Date: Nov 11, 2016 | Final Action Date: Jun 1, 2017 | Approved

PINS Date: Apr 7, 2000 | Public Review Date: May 27, 2016 | Final Action Date: Apr 1, 2017 | Approved

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

ANSI/ASHRAE Standard 185.2-2014, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces (new standard)
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- ANSI/ASHRAE Standard 216-2020, Methods of Test for Determining Application Data of Overhead Circulator Fans (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Jan 24, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/ASHRAE Standard 217-2020, Non-Emergency Ventilation in Enclosed Road, Rail and Mass Transit Facilities (new standard)
  PINS Date: Feb 14, 2014 | Public Review Date: Sep 27, 2019 | Final Action Date: Jun 30, 2020 | Approved

- ANSI/ASHRAE Standard 218-2019, Method of Test for Lubricant and Refrigerant Miscibility Determination (new standard)
  PINS Date: Jul 18, 2014 | Public Review Date: Sep 28, 2018 | Final Action Date: Apr 18, 2019 | Approved

- ANSI/ASHRAE Standard 219-2021, Method of Testing the Ability of Liquid Line Filter Driers or Adsorbents to Remove Organic Acid (new standard)
  PINS Date: Jul 17, 2015 | Public Review Date: Sep 18, 2020 | Final Action Date: Feb 26, 2021 | Approved

  PINS Date: Jul 28, 2017 | Public Review Date: Sep 1, 2017 | Final Action Date: May 1, 2018 | Approved

- ANSI/ASHRAE Standard 221-2020, Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System (new standard)
  PINS Date: Jul 22, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Jul 31, 2020 | Approved

  PINS Date: Jul 13, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Apr 13, 2020 | Approved

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  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)
  PINS Date: Mar 3, 2017 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 21, 2022 | Approved

  PINS Date: Oct 29, 2010 | Public Review Date: Sep 26, 2014 | Final Action Date: May 1, 2015 | Approved

- ANSI/ASHRAE Standard 41.6-2021, Standard Methods for Humidity Measurements (revision of ANSI/ASHRAE Standard 41.6-2014)
  PINS Date: Mar 3, 2017 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 29, 2021 | Approved

  Public Review Date: Feb 16, 2018 | Final Action Date: May 1, 2018 | Approved

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<td>Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)</td>
<td>Public Review Date: May 11, 2018</td>
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### Approved American National Standards

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

  PINS Date: Feb 12, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 13, 2020 | Approved

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  Final Action Date: Jul 24, 2001 | Approved

- ANSI/ASHRAE Standard 90.4-2019, Energy Standard for Data Centers (new standard)  
  PINS Date: Jul 13, 2012 | Public Review Date: Apr 29, 2016 | Final Action Date: Jul 27, 2016 | Approved

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  Standard 170-2008)
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  Standard 170-2008)
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  Standard 170-2008)
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- ANSI/ASHRAE/ASHE Addendum 170v-2013, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE
  Standard 170-2008)
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- ANSI/ASHRAE/ASHE Addendum 170w to Standard 170-2008, Ventilation of Health Care Facilities (addenda to
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- ANSI/ASHRAE/ASHE Addendum 170y-2013, Ventilation of Health Care Facilities (addenda to ANSI/ASHRAE/ASHE
  Standard 170-2008)
  Public Review Date: Apr 19, 2013 | Final Action Date: Dec 5, 2013 | Approved

- ANSI/ASHRAE/ASHE Addendum a to ANSI/ASHRAE/ASHE Standard 189.3-2019, Design, Construction, and
  Operation of Sustainable High-Performance Health Care Facilities (addenda to ANSI/ASHRAE/ASHE Standard 189.3
  -2017)
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- ANSI/ASHRAE/ASHE Addendum b to ANSI/ASHRAE/ASHE Standard 189.3-2017, Design, Construction, and
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  Public Review Date: Mar 8, 2019 | Final Action Date: Jul 1, 2019 | Approved

ASIS (ASIS International)

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

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

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

- ANSI/ASIS PSC.1-2022, Management System for Private Security Company Operations - Requirements with Guidance  (revision of ANSI ASIS PSC.1-2012 (R2017))  
  PINS Date: Aug 13, 2021 | Public Review Date: Oct 7, 2022 | Final Action Date: Dec 1, 2022 | Approved

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

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

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

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

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

ASME (American Society of Mechanical Engineers)

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

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

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

- 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

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

  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
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<td>ANSI/ASME A112.19.19-2016</td>
<td>Vitreous China Nonwater Urinals</td>
<td>Public Review Date: Mar 26, 2021</td>
<td>Final Action Date: Jun 1, 2021</td>
<td>Approved</td>
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<td>ANSI/ASME A112.19.2/CSA B45.1-2018</td>
<td>Ceramic Plumbing Fixtures</td>
<td>Public Review Date: Apr 6, 2018</td>
<td>Final Action Date: Jun 15, 2018</td>
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<td>ANSI/ASME A112.19.3-2022/CSA B45.4-2022</td>
<td>Stainless Steel Plumbing Fixtures</td>
<td>Public Review Date: Mar 11, 2022</td>
<td>Final Action Date: May 17, 2022</td>
<td>Approved</td>
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<td>ANSI/ASME A112.19.5/CSA B45.15-2022</td>
<td>Flush Valves and Spuds for Water Closets, Urinals, and Tanks</td>
<td>Public Review Date: Apr 22, 2022</td>
<td>Final Action Date: Jun 24, 2022</td>
<td>Approved</td>
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<td>ANSI/ASME A112.19.7/CSA B45.10-2020</td>
<td>Hydromassage Bathtub Appliances</td>
<td>Public Review Date: Dec 27, 2019</td>
<td>Final Action Date: May 5, 2020</td>
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<td>Hydrants for Utility and Maintenance Use</td>
<td>Public Review Date: Mar 11, 2022</td>
<td>Final Action Date: May 17, 2022</td>
<td>Approved</td>
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<td>ANSI/ASME A112.3.1-2007</td>
<td>Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below Ground</td>
<td>Public Review Date: Mar 11, 2022</td>
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<td>Approved</td>
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<td>ANSI/ASME A112.3.4-2013/CSA B45.9-2018</td>
<td>Macerating Toilet Systems and Wastr-Plumbing Systems for Plumbing Fixtures</td>
<td>PINS Date: Oct 13, 2017</td>
<td>Public Review Date: Mar 23, 2018</td>
<td>Final Action Date: May 31, 2018</td>
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<td>ANSI/ASME A112.36.2M-2008</td>
<td>Cleanouts</td>
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<td>Final Action Date: May 4, 2017</td>
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<td>Cleanouts</td>
<td>PINS Date: Jul 31, 2020</td>
<td>Public Review Date: Mar 4, 2022</td>
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<td>ANSI/ASME A112.4.1-2014</td>
<td>Water Heater Relief Valve Drain Tubes</td>
<td>Public Review Date: Dec 21, 2018</td>
<td>Final Action Date: Feb 27, 2019</td>
<td>Approved</td>
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<td>ANSI/ASME A112.4.14/CSA B125.14-2022</td>
<td>Manually or Automatically Operated Shutoff Valves for Use in Plumbing Systems</td>
<td>Public Review Date: Apr 8, 2022</td>
<td>Final Action Date: Jun 22, 2022</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME A112.4.2/CSA B45.16-2021</td>
<td>Personal Hygiene Devices for Water Closets</td>
<td>Public Review Date: Feb 26, 2021</td>
<td>Final Action Date: Jun 17, 2021</td>
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ASME (American Society of Mechanical Engineers)

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

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

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

  PINS Date: Mar 14, 2014 | Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

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

- ANSI/ASME A112.6.3/CSA B79.3-2022, Floor Drains (revision and redesignation of ASME ASME A112.6.3-2019)
  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 9, 2022 | Approved

- ANSI/ASME A112.6.4/CSA B79.4-2022, Roof, Deck, and Balcony Drains (revision and redesignation of ANSI/ASME A112.6.4-2003 (R2012))
  PINS Date: Jul 31, 2020 | Public Review Date: Mar 18, 2022 | Final Action Date: Jun 15, 2022 | Approved

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

- ANSI/ASME A112.6.7/CSA B79.7-2022, Sanitary Floor Sinks (revision and redesignation of ANSI/ASME A112.6.7-2010 (R2019))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

- ANSI/ASME A112.6.8/CSA B79.8-2022, Trench Drains (new standard)
  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 9, 2022 | Approved

- ANSI/ASME A112.6.9/CSA B79.9-2022, Siphonic Roof Drains (revision and redesignation of ANSI/ASME A112.6.9-2005 (R2019))
  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 9, 2022 | Approved

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

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

  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

  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 31, 2020 | Approved
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<td>ANSI/ASME B1.11-1958 (S2021)</td>
<td>Microscope Objective Thread</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.12-1987 (R2018)</td>
<td>Class 5 Interference - Fit Thread</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.16M-1984 (S2021)</td>
<td>Gages and Gaging for Metric M Screw Threads</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.20.1-2013 (R2018)</td>
<td>Pipe Threads, General Purpose (Inch)</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.20.3-1976 (R2018)</td>
<td>Dryseal Pipe Threads (Inch)</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.20.7-1991 (R2018)</td>
<td>Hose Coupling Screw Threads (Inch)</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B1.25-2019</td>
<td>Measurement Uncertainty Factors in the Calibration of Screw Thread Gages</td>
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<td>ANSI/ASME B1.9-1973 (R2017)</td>
<td>Buttress Inch Screw Threads</td>
<td>(7 deg./45 deg. Form with 0.6 Pitch Basic Height of Thread Engagement)</td>
<td>Feb 17, 2017</td>
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<td>Striking Tools</td>
<td>new standard</td>
<td>Jan 26, 2018</td>
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<tr>
<td>ANSI/ASME B107.410-2018</td>
<td>Struck Tools</td>
<td>new standard</td>
<td>Feb 16, 2018</td>
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<tr>
<td>ANSI/ASME B107.56-2018</td>
<td>Body Repair Tools</td>
<td>new standard</td>
<td>Jan 26, 2018</td>
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Approved American National Standards

ASME (American Society of Mechanical Engineers)

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  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

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

  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)  
  Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 2021 | Approved

  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

  Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 2021 | Approved

  Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI/ASME B16.24-2021, Cast Copper Alloy Pipe Flanges, Flanged Fittings, and ValvesClasses 150, 300, 600, 900, 1500, and 2500 (revision of ANSI/ASME B16.24-2016)  
  Public Review Date: Sep 17, 2021 | Final Action Date: Dec 10, 2021 | Approved

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

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  Public Review Date: Jun 10, 2022 | Final Action Date: Nov 28, 2022 | Approved
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<td>ANSI/ASME B16.3-2021</td>
<td>Malleable Iron Threaded FittingsClasses 150 and 300 (revision of ANSI/ASME B16.3-2016)</td>
<td>Approved</td>
<td>Sep 17, 2021</td>
<td>Nov 15, 2021</td>
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<td>ANSI/ASME B16.4-2021</td>
<td>Gray Iron Threaded FittingsClasses 125 and 250 (revision of ANSI/ASME B16.4-2016)</td>
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<td>ANSI/ASME B18.16.4-2008 (R2017)</td>
<td>Serrated Hex Flange Locknuts 90,000 PSI (Inch Series) (reaffirmation of ANSI/ASME B18.16.4-2008 (R2013))</td>
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<td>ANSI/ASME B18.16M-2004 (R2021)</td>
<td>Prevailing-Torque Type Steel Metric Hex Nuts and Hex Flange Nuts (reaffirmation of ANSI/ASME B18.16M-2004 (R2016))</td>
<td>Approved</td>
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<td>ANSI/ASME B18.2.1-2012 (R2021)</td>
<td>Square, Hex, Heavy Hex, and Askew Head Bolts, and Hex, Heavy Hex, and Hex Flange, Lobed Head, and Lag Screws (Inch Series) (reaffirmation of ANSI/ASME B18.2.1-2012)</td>
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<td>ANSI/ASME B18.2.3.9M-2001 (R2020)</td>
<td>Metric Heavy Hex Flange Screws (reaffirmation of ANSI/ASME B18.2.3.9M-2001 (R2014))</td>
<td>Approved</td>
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<td>ANSI/ASME B18.2.5M-2013 (R2017)</td>
<td>Metric Flanged 12-Point Head Screws (reaffirmation of ANSI/ASME B18.2.5M-2013)</td>
<td>Approved</td>
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<td>ANSI/ASME B18.2.6-2019</td>
<td>Fasteners for Use in Structural Applications (revision, redesignation and consolidation of ANSI/ASME B18.2.6-2010, ANSI/ASME B18.2.6 (Supplement)-2010)</td>
<td>Approved</td>
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<td>ANSI/ASME B18.2.6M-2012 (R2021)</td>
<td>Metric Fasteners for Use In Structural Applications (reaffirmation of ANSI/ASME B18.2.6M-2012)</td>
<td>Approved</td>
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<td>ANSI/ASME B18.2.9-2010 (R2021)</td>
<td>Straightness Gage and Gaging for Bolts and Screws (reaffirmation of ANSI/ASME B18.2.9-2010 (R2017))</td>
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<td>ANSI/ASME B18.5-2012 (R2017)</td>
<td>Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012)</td>
<td>Public Review Date: May 12, 2017</td>
<td>Final Action Date: Jul 21, 2017</td>
<td>Approved</td>
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## Approved American National Standards

### ANSI/ASME B18.6.2-2020, Square Head Set Screws, And Slotted Headless Set Screws (Inch Series) (revision of ANSI/ASME B18.6.2-1998 (R2010))
- PINS Date: Nov 11, 2016
- Public Review Date: Apr 17, 2020
- Final Action Date: Jun 19, 2020  | Approved

### ANSI/ASME B18.6.3-2013 (R2017), Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.3-2013)
- Public Review Date: Jul 21, 2017
- Final Action Date: Oct 5, 2017  | Approved

### ANSI/ASME B18.6.8-2010 (S2021), Thumb Screws and Wing Screws (stabilized maintenance of ANSI/ASME B18.6.8-2010 (R2017))
- Public Review Date: Oct 8, 2021
- Final Action Date: Jan 4, 2022  | Approved

### ANSI/ASME B18.6.9-2010 (S2021), Wing Nuts (stabilized maintenance of ANSI/ASME B18.6.9-2010 (R2017))
- Public Review Date: Oct 8, 2021
- Final Action Date: Jan 4, 2022  | Approved

### ANSI/ASME B18.7-2007 (R2022), General Purpose Semi-Tubular Rivets, Full Tubular Rivets, Split Rivets And Rivet Caps (reaffirmation of ANSI/ASME B18.7-2007 (R2017))
- Public Review Date: Jul 15, 2022
- Final Action Date: Sep 23, 2022  | Approved

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

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

- PINS Date: Jul 14, 2017
- Public Review Date: Feb 7, 2020
- Final Action Date: Apr 16, 2020  | Approved

- Public Review Date: Sep 25, 2020
- Final Action Date: Oct 30, 2020  | Approved

### ANSI/ASME B18.9-2012 (R2017), Plow Bolts (reaffirmation of ANSI/ASME B18.9-2012)
- Public Review Date: Mar 24, 2017
- Final Action Date: May 25, 2017  | Approved

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

- Public Review Date: Jun 11, 2021
- Final Action Date: Jul 16, 2021  | Approved

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

### ANSI/ASME B27.7-1977 (S2021), General Purpose Tapered and Reduced Cross Section Retaining Rings (Metric) (stabilized maintenance of ANSI/ASME B27.7-1977 (R2017))
- Public Review Date: Oct 8, 2021
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  Public Review Date: Jul 20, 2018 | Final Action Date: Nov 1, 2018 | Approved

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

- ANSI/ASME B29.21-2013 (R2018), 700 Class Chains, Attachments and Sprocket Teeth for Water and Sewage Treatment Plants (reaffirmation of ANSI/ASME B29.21-2013)
  Public Review Date: Apr 13, 2018 | Final Action Date: Jun 29, 2018 | Approved

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

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  PINS Date: Sep 21, 2018 | Public Review Date: May 7, 2021 | Final Action Date: May 7, 2021 | Approved

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## Approved American National Standards

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### ANSI/ASME B29.400-2001 (R2018), Combination, H Type Mill Chains and Sprockets (reaffirmation of ANSI/ASME B29.400-2001 (R2013))
- Public Review Date: Feb 9, 2018 | Final Action Date: Apr 20, 2018 | Approved

### ANSI/ASME B29.8-2010 (R2022), Leaf Chains, Clevises, and Sheaves (reaffirmation of ANSI/ASME B29.8-2010 (R2017))
- Public Review Date: Feb 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- PINS Date: Apr 4, 2014 | Public Review Date: Jan 17, 2020 | Final Action Date: Dec 11, 2020 | Approved

### ANSI/ASME B30.10-2019, Hooks (revision of ANSI/ASME B30.10-2014)
- Public Review Date: Mar 8, 2019 | Final Action Date: Sep 3, 2019 | Approved

### ANSI/ASME B30.12-2011 (R2021), Handling Loads Suspended From Rotorcraft (reaffirmation of ANSI/ASME B30.12-2011)
- Public Review Date: Oct 30, 2020 | Final Action Date: Apr 13, 2021 | Approved

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- Public Review Date: Oct 22, 2021 | Final Action Date: Mar 1, 2022 | Approved

- Public Review Date: Oct 30, 2020 | Final Action Date: Apr 13, 2021 | Approved

### ANSI/ASME B30.16-2017, Overhead Underhung and Stationary Hoists (revision of ANSI/ASME B30.16-2012)
- Public Review Date: May 5, 2017 | Final Action Date: Jul 28, 2017 | Approved

### ANSI/ASME B30.16-2022, Overhead Underhung and Stationary Hoists (revision of ANSI/ASME B30.16-2017)
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### ANSI/ASME B30.17-2020, Cranes and Monorails (With Underhung Trolley or Bridge) (revision of ANSI/ASME B30.17-2015)
- Public Review Date: Oct 30, 2020 | Final Action Date: Dec 21, 2020 | Approved

### ANSI/ASME B30.18-2021, Stackers Cranes (Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley Hoist) (revision of ANSI/ASME B30.18-2016)
- Public Review Date: Feb 19, 2021 | Final Action Date: Aug 30, 2021 | Approved

### ANSI/ASME B30.19-2016 (R2021), Cableways (reaffirmation of ANSI/ASME B30.19-2016)
- Public Review Date: Mar 19, 2021 | Final Action Date: Aug 30, 2021 | Approved

### ANSI/ASME B30.2-2022, Overhead and Gantry Cranes (Top Running Bridge, Top Running Hoist) (revision of ANSI/ASME B30.2-2016)
- Public Review Date: Sep 24, 2021 | Final Action Date: Feb 18, 2022 | Approved

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Approved American National Standards

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ANSI/ASME B30.3-2016, Tower Cranes (revision of ANSI/ASME B30.3-2012)
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ANSI/ASME B30.30-2019, Ropes (new standard)
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ANSI/ASME B30.5-2018, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2014)
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ANSI/ASME B30.5-2021, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2018)
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ANSI/ASME B30.6-2020, Derricks (revision of ANSI/ASME B30.6-2015)
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ANSI/ASME B30.7-2021, Winches (revision of ANSI/ASME B30.7-2016)
Public Review Date: Mar 26, 2021 | Final Action Date: Sep 23, 2021 | Approved
<table>
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<th>Standard</th>
<th>Title</th>
<th>Revision Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
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<tr>
<td>ANSI/ASME B31.3-2018</td>
<td>Process Piping</td>
<td>(revision of ANSI/ASME B31.3-2016)</td>
<td>Apr 20, 2018</td>
<td>Aug 8, 2018</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASME B31.4-2022</td>
<td>Pipeline Transportation Systems for Liquids and Slurries</td>
<td>(revision of ANSI/ASME B31.4-2019)</td>
<td>Jun 10, 2022</td>
<td>Sep 6, 2022</td>
<td>Approved</td>
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### Approved American National Standards

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

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Standard Title</th>
<th>Revision Dates</th>
<th>Action Dates</th>
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<tr>
<td>ANSI/ASME B31Q-2018</td>
<td>Pipeline Personnel Qualification</td>
<td>(revision of ANSI/ASME B31Q-2016)</td>
<td>Public Review Date: May 18, 2018</td>
</tr>
<tr>
<td>ANSI/ASME B31Q-2021</td>
<td>Pipeline Personnel Qualification</td>
<td>(revision of ANSI/ASME B31Q-2018)</td>
<td>Public Review Date: Nov 6, 2020</td>
</tr>
<tr>
<td>ANSI/ASME B36.10M-2018</td>
<td>Welded and Seamless Wrought Steel Pipe</td>
<td>(revision of ANSI/ASME B36.10M-2015)</td>
<td>PINS Date: Dec 8, 2017</td>
</tr>
<tr>
<td>ANSI/ASME B4.1-1967 (R2020)</td>
<td>Preferred Limits And Fits For Cylindrical Parts</td>
<td>(new standard)</td>
<td>PINS Date: Apr 4, 2014</td>
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<tr>
<td>ANSI/ASME B4.2-1978 (R2020)</td>
<td>Preferred Metric Limits And Fits</td>
<td>(new standard)</td>
<td>PINS Date: Apr 4, 2014</td>
</tr>
<tr>
<td>ANSI/ASME B40.100-2022</td>
<td>Pressure Gauges and Gauge Attachments</td>
<td>(revision of ANSI/ASME B40.100-2013)</td>
<td>Public Review Date: Mar 25, 2022</td>
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<td>PINS Date: Nov 29, 2013</td>
<td>Approved</td>
<td></td>
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<tr>
<td>ANSI/ASME B5.54-2010 (R2020), Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers (reaffirmation of ANSI/ASME B5.54-2010 (R2015))</td>
<td>Public Review Date: Mar 13, 2020</td>
<td>Approved</td>
<td></td>
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<td>ANSI/ASME B5.56M-2016 (R2022), Hollow Taper Tooling With Flange-Face Contact (reaffirmation and redesignation of ANSI/ASME B5.62-2016)</td>
<td>Public Review Date: Nov 19, 2021</td>
<td>Approved</td>
<td></td>
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<tr>
<td>ANSI/ASME B5.64-2022, Methods for the Performance Evaluation of Single Axis Linear Positioning Systems. (new standard)</td>
<td>PINS Date: Nov 6, 2015</td>
<td>Approved</td>
<td></td>
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<td>ANSI/ASME B5.8-2001 (S2022), Chucks and Chuck Jaws (stabilized maintenance of ANSI/ASME B5.8-2001 (R2016))</td>
<td>Public Review Date: Apr 15, 2022</td>
<td>Approved</td>
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## Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

<table>
<thead>
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<th>Standard Number</th>
<th>Title</th>
<th>Status</th>
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<tr>
<td>ANSI/ASME B89.1.5-1998 (R2019)</td>
<td>Measurement of Plain External Diameters for Use as Master Discs or Cylindrical Plug Gages (reaffirmation of ANSI/ASME B89.1.5-1998 (R2014))</td>
<td>Approved</td>
<td>May 31, 2019</td>
<td>Aug 1, 2019</td>
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<tr>
<td>ANSI/ASME B89.1.6-2002 (R2022)</td>
<td>Measurement of Plain Internal Diameters for Use as Master Rings or Ring Gages (reaffirmation of ANSI/ASME B89.1.6-2002 (R2017))</td>
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<td>Jun 24, 2022</td>
<td>Sep 1, 2022</td>
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<td>Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B89.3.4-2010 (R2015))</td>
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<td>May 31, 2019</td>
<td>Aug 1, 2019</td>
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<td>ANSI/ASME B89.3.7-2013 (R2018)</td>
<td>Granite Surface Plates (reaffirmation of ANSI/ASME B89.3.7-2013)</td>
<td>Approved</td>
<td>Apr 27, 2018</td>
<td>Jul 20, 2018</td>
<td></td>
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ASME (American Society of Mechanical Engineers)

- ANSI/ASME B89.4.10-2021, Methods for Performance Evaluation of Coordinate Measuring System Software (revision of ANSI/ASME B89.4.10-2000 (R2011))
  Public Review Date: May 21, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 13, 2021 | Approved

- ANSI/ASME B89.4.22-2004 (R2019), Methods for Performance Evaluation of Articulated Arm Coordinate Measuring Machines (CMM) (reaffirmation of ANSI/ASME B89.4.22-2004 (2014))
  Public Review Date: Nov 30, 2018 | Final Action Date: Mar 8, 2019 | Approved

- ANSI/ASME B89.4.23-2020, X-Ray Computed Tomography (CT) Performance Evaluation Standard (new standard)
  PINS Date: Nov 11, 2016 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/ASME B89.6.2-1973 (R2017), Temperature and Humidity Environment for Dimensional Measurement (reaffirmation of ANSI/ASME B89.6.2-1973 (R2012))
  Public Review Date: May 5, 2017 | Final Action Date: Jul 11, 2017 | Approved

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

- 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))
  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

- 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))
  Public Review Date: May 13, 2022 | Final Action Date: Jul 29, 2022 | Approved

- 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)
  PINS Date: Sep 15, 2017 | Public Review Date: Sep 27, 2019 | Final Action Date: Oct 31, 2019 | Approved

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- ANSI/ASME B94.35-1972 (R2020), Drill Drivers, Split-sleeve, Collet Type (reaffirmation of ANSI/ASME B94.35-1972 (R2015))
  Public Review Date: Mar 13, 2020 | Final Action Date: Jun 18, 2020 | Approved

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Approved American National Standards

ASME (American Society of Mechanical Engineers)

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

- ANSI/ASME B94.52M-1999 (S2016), Specifications for Hacksaw Blades (stabilized maintenance of ANSI/ASME B94.52M-1999 (R2015))
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- ANSI/ASME B94.6-1984 (S2016), Knurling (stabilized maintenance of ANSI/ASME B94.6-1984 (R2014))
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- ANSI/ASME B94.7-1980 (S2016), Hobs (stabilized maintenance of ANSI/ASME B94.7-1980 (R2015))
  Public Review Date: Dec 18, 2015 | Final Action Date: May 18, 2016 | Approved

- ANSI/ASME B94.9-2008 (R2018), Taps: Ground and Cut Threads with Cut Thread Appendix (Inch and Metric Sizes) (reaffirmation of ANSI/ASME B94.9-2008 (R2013))
  Public Review Date: Apr 20, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI/ASME BPE-2016, Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)
  Public Review Date: Apr 1, 2016 | Final Action Date: Jun 27, 2016 | Approved

- ANSI/ASME BPE-2019, Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)
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- ANSI/ASME BPVC Section I-2021, Rules for Construction of Power Boilers (revision of ANSI/ASME BPVC Section I-2019)
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  Public Review Date: Feb 1, 2019 | Final Action Date: Apr 25, 2019 | Approved
# Approved American National Standards

## ASME (American Society of Mechanical Engineers)

<table>
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<th>Standard</th>
<th>Description</th>
<th>Revised Version</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
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<td>ANSI/ASME BPVC Section II-2019 (Parts A, B, and D), Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties (revision of ANSI/ASME BPVC Section II-2017 (Parts A, B, and D))</td>
<td>Public Review Date: Dec 21, 2018</td>
<td>Final Action Date: Apr 25, 2019</td>
<td>Approved</td>
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ASME (American Society of Mechanical Engineers)

- ANSI/ASME BPVC Section VI-2017, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2015)
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- ANSI/ASME BPVC Section VI-2019, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2017)
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- ANSI/ASME BPVC Section VI-2021, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2019)
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- ANSI/ASME BPVC Section VII-2019, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2017)
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- ANSI/ASME BPVC Section VII-2021, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2019)
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- ANSI/ASME BPVC Section VIII-2021, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2019)
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- ANSI/ASME BPVC Section X-2021, Fiber-Reinforced Plastic Pressure Vessels (revision of ANSI/ASME BPVC Section X-2019)
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- ANSI/ASME BPVC Section XI-2021, Section XI Rules for Inservice Inspection of Nuclear Power Plant Components (revision of ANSI/ASME BPVC Section XI-2019)
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- ANSI/ASME BPVC Section XII-2017, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2015)
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- ANSI/ASME BPVC Section XII-2019, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2017)
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<th>Description</th>
<th>Date of Revision</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
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ASME (American Society of Mechanical Engineers)

- ANSI/ASME MBE-1-2022, Framework (new standard)
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  Public Review Date: Jul 8, 2016 | Final Action Date: Sep 23, 2016 | Approved

  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
ASME (American Society of Mechanical Engineers)

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- 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)
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  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

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  Public Review Date: Sep 9, 2022 | Final Action Date: Dec 5, 2022 | Approved

- ANSI/ASME NM-3-2018, Nonmetallic Materials (new standard)
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  Public Review Date: Jun 19, 2020 | Final Action Date: Aug 24, 2020 | Approved
ASME (American Society of Mechanical Engineers)

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

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

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

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

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

  Public Review Date: Feb 11, 2022 | Final Action Date: Aug 2, 2022 | Approved

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

  Public Review Date: Nov 9, 2018 | Final Action Date: Mar 25, 2019 | Approved

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

  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

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ASME (American Society of Mechanical Engineers)

- 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

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- ANSI/ASME PTC 12.2-2010 (R2020), Steam Surface Condensers (reaffirmation of ANSI/ASME PTC 12.2-2010 (R2015))
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  Public Review Date: Apr 12, 2019 | Final Action Date: Jun 18, 2019 | Approved

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  PINS Date: Oct 8, 2010 | Public Review Date: Feb 16, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/ASME PTC 17-1973 (R2022), Reciprocating Internal-Combustion Engines (new standard)
  PINS Date: Nov 15, 2013 | Public Review Date: Sep 2, 2015 | Final Action Date: Nov 10, 2015 | Approved

  PINS Date: Dec 18, 2015 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 30, 2020 | Approved

  Public Review Date: Apr 27, 2018 | Final Action Date: Sep 20, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: Apr 23, 2020 | Approved

  Public Review Date: May 5, 2017 | Final Action Date: Jul 12, 2017 | Approved
ASME (American Society of Mechanical Engineers)

- ANSI/ASME PTC 4.4-2008 (R2013), Gas Turbine Heat Recovery Steam Generators (reaffirmation of ANSI/ASME PTC 4.4-2008)
  Public Review Date: Mar 8, 2013 | Final Action Date: May 28, 2013 | Approved

  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 22, 2022 | Approved

- ANSI/ASME PTC 46-2015, Overall Plant Performance (new standard)
  PINS Date: Nov 7, 2008 | Public Review Date: Apr 24, 2015 | Final Action Date: Sep 25, 2015 | Approved

  PINS Date: May 6, 2016 | Public Review Date: Sep 4, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/ASME PTC 47.1-2017, Air Separation Unit (new standard)
  PINS Date: Dec 26, 2008 | Public Review Date: Oct 6, 2017 | Final Action Date: Dec 14, 2017 | Approved

  PINS Date: Oct 20, 2006 | Public Review Date: May 3, 2019 | Final Action Date: Jul 19, 2019 | Approved

- ANSI/ASME PTC 47.3-2021, Performance Test Code of the Syngas Conditioning Block of an Integrated Gasification Combined Cycle Power Plant (new standard)
  PINS Date: Aug 28, 2009 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

- ANSI/ASME PTC 47.4-2015 (R2020), Power Block of an Integrated Gasification Combined Cycle Power Plant (reaffirmation of ANSI/ASME PTC 47.4-2015)
  Public Review Date: Mar 20, 2020 | Final Action Date: Jul 14, 2020 | Approved

  Public Review Date: Apr 12, 2019 | Final Action Date: Jun 21, 2019 | Approved

- ANSI/ASME PTC 51-2011 (R2016), Gas Turbine Inlet Air Conditioning Equipment (reaffirmation of ANSI/ASME PTC 51-2011)
  Public Review Date: Apr 29, 2016 | Final Action Date: Aug 11, 2016 | Approved

- ANSI/ASME PTC 52-2020, Concentrated Solar Power Plants (new standard)
  PINS Date: Apr 10, 2009 | Public Review Date: Dec 20, 2019 | Final Action Date: Mar 23, 2020 | Approved

  PINS Date: Aug 7, 2015 | Public Review Date: Jul 8, 2022 | Final Action Date: Sep 15, 2022 | Approved

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

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

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

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ASME (American Society of Mechanical Engineers)

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

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

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

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

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

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

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

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

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

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

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

- 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
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ASME (American Society of Mechanical Engineers)

  PINS Date: Jul 25, 2008 | Public Review Date: Dec 21, 2018 | Final Action Date: Nov 7, 2019 | Approved

- ANSI/ASME Y14.6-2001 (R2018), Screw Thread Representation (reaffirmation of ANSI/ASME Y14.6-2001 (R2013))
  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 20, 2018 | Approved

  PINS Date: Nov 9, 2018 | Public Review Date: Jul 16, 2021 | Final Action Date: Mar 17, 2022 | Approved

- ANSI/ASME Y32.18-1972 (S2018), Symbols for Mechanical and Acoustical Elements as Used in Schematic Diagrams (stabilized maintenance of ANSI/ASME Y32.18-1972 (R2013))
  Public Review Date: Jun 15, 2018 | Final Action Date: Aug 21, 2018 | Approved

- ANSI/ASME Y32.7-1972 (S2020), Graphic Symbols for Railroad Maps and Profiles (stabilized maintenance of ANSI/ASME Y32.7-1972 (R2014))
  Public Review Date: Dec 6, 2019 | Final Action Date: Feb 24, 2020 | Approved

  Public Review Date: Feb 18, 2022 | Final Action Date: May 11, 2022 | Approved

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  PINS Date: Sep 16, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Oct 7, 2019 | Approved

ASNT (American Society for Nondestructive Testing)

  PINS Date: May 31, 2013 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 31, 2020 | Approved

- ANSI/ASNT CP-105-2020, Topical outlines for qualification of nondestructive personnel (revision of ANSI/ASNT CP-105-2015)
  PINS Date: Mar 1, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 7, 2019 | Approved

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  PINS Date: May 5, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Dec 12, 2017 | Approved

ASPE (American Society of Plumbing Engineers)

  Public Review Date: Mar 27, 2020 | Final Action Date: May 4, 2020 | Approved
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**ASPE (American Society of Plumbing Engineers)**

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

  - PINS Date: Sep 1, 2017 | Public Review Date: Jan 11, 2019 | Final Action Date: Feb 22, 2019 | Approved

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

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

  - PINS Date: Aug 6, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Sep 16, 2022 | Approved

**ASQ (American Society for Quality)**

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

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

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

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

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

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

**ASQ (ASC Z1) (American Society for Quality)**

  - PINS Date: May 13, 2022 | Public Review Date: Jul 1, 2022 | Final Action Date: Sep 8, 2022 | Approved

  - PINS Date: May 20, 2022 | Public Review Date: Jul 1, 2022 | Final Action Date: Sep 8, 2022 | Approved

  - PINS Date: May 20, 2022 | Public Review Date: Jul 1, 2022 | Final Action Date: Sep 13, 2022 | Approved
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  PINS Date: Feb 23, 2018 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 26, 2018 | Approved

- ANSI/ASQ Z1.4-2003 (R2018), Sampling procedures and tables for inspection by attributes (reaffirmation of ANSI/ASQ Z1.4-2003 (R2013))
  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 10, 2018 | Approved

- ANSI/ASQ Z1.9-2003 (R2018), Sampling procedures and tables for inspection by variables for percent nonconforming (reaffirmation of ANSI/ASQ Z1.9-2003 (R2013))
  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 10, 2018 | Approved

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

- ANSI/ASQ ISO 14004-2016, Environmental management systems - General guidelines on implementation (identical national adoption of ISO 14004:2016)
  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 3, 2016 | Approved

  PINS Date: Oct 7, 2011 | Public Review Date: Feb 24, 2012 | Final Action Date: Sep 11, 2013 | Approved

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Approved American National Standards

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  PINS Date: Feb 5, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Jul 19, 2021 | Approved

  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

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  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
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  (identical national adoption of ISO 14044:2006)
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  (identical national adoption of ISO 14051-2011)
  PINS Date: Mar 9, 2012 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 27, 2014 | Approved

- ASQ/ANSI/ISO 14063:2006, Environmental management - Environmental communication - Guidelines and examples
  (identical national adoption of ISO 14063:2006)
  PINS Date: Mar 9, 2012 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 27, 2014 | Approved

- ASQ/ANSI/ISO 14065:2013, Greenhouse gases - Requirements for greenhouse gas validation and verification bodies
  for use in accreditation or other forms of recognition (identical national adoption of ISO 14065:2013)
  PINS Date: May 16, 2014 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 22, 2014 | Approved

  and verification teams (identical national adoption of ISO 14066:2011)
  PINS Date: Mar 9, 2012 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 22, 2014 | Approved

  (identical national adoption of ISO 16269-4:2010)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ASQ/ANSI/ISO 16269-6-2014, Statistical interpretation of data - Part 6: Determination of statistical tolerance intervals
  (identical national adoption of ISO 16269-6:2014)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  (identical national adoption of ISO 16269-7:2001)
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  (identical national adoption of ISO 16269-8:2004)
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  (identical national adoption of ISO 18091:2014)
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  General principles and concepts (identical national adoption of ISO 22514-1:2014)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  Process capability and performance of time-dependent process models (identical national adoption of ISO 22514-2:2013)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

  Machine performance studies for measured data on discrete parts (identical national adoption of ISO 22514-3:2008)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ASQ/ANSI/ISO 22514-6-2013, Statistical methods in process management - Capability and performance - Part 6:
  Process capability statistics for characteristics following a multivariate normal distribution (identical national adoption of ISO 22514-6:2013)
  PINS Date: Oct 3, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 13, 2015 | Approved
ASQ (ASC Z1) (American Society for Quality)

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

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  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

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

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**Approved American National Standards**

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

- ANSI/ASSE A10.4-2016, Personnel Hoists & Employee Elevators on Construction & Demolition Sites (revision of ANSI/ASSE A10.4-2007)
  PINS Date: Jul 31, 2009 | Public Review Date: May 22, 2015 | Final Action Date: Jan 6, 2016 | Approved

  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 A10.6-2006 (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

  PINS Date: Jun 15, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 12, 2019 | Approved

- 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

  PINS Date: Sep 8, 2017 | Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ASSP A10.3-2020, Safety Requirements for Powder-Actuated Fastening Systems (revision and redesignation of ANSI/ASSE A10.3-2013)
  PINS Date: Jun 1, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 20, 2020 | Approved

- ANSI/ASSP A10.30-2020, Safety Requirements for the Installation of Anchors and Micropiles (new standard)
  PINS Date: Jan 25, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Jul 22, 2020 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/ASSP A10.34-2021, Protection of the Public on or Adjacent to Construction Sites (revision and redesignation of ANSI/ASSE A10.34-2001 (R2012))
  PINS Date: Jun 1, 2018 | Public Review Date: Nov 20, 2020 | Final Action Date: Feb 1, 2021 | Approved

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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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  PINS Date: Feb 28, 2020 | Public Review Date: Jul 29, 2022 | Final Action Date: Sep 15, 2022 | Approved

- ANSI/ASSP A10.5-2020, Safety Requirements for Material Hoists (revision of ANSI/ASSE A10.5 2013)
  PINS Date: May 23, 2014 | Public Review Date: May 15, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI/ASSP A10.7-2018, Safety and Health Requirements for Construction and Demolition Use, Storage, Handling and Site Movement of Commercial Explosives and Blasting Agents (revision of ANSI/ASSE A10.7-2011)
  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)

- 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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ASSP (Safety) (American Society of Safety Professionals)

- 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

- ANSI/ASSE A1264.2-2022, Reducing Slip Missteps on Walking-Working Surfaces (revision and redesignation of ANSI/ASSE A1264.2-2012)
  PINS Date: Feb 10, 2017 | Public Review Date: Nov 19, 2021 | Final Action Date: Feb 24, 2022 | Approved

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- ANSI/ASSE Z126.1-2012, Safety Requirements for Access to Locations by Frequent Use (reaffirmation of ANSI/ASSE Z126.1-2001)
  PINS Date: Mar 21, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z126.2-2007, Safety Requirements for Access to Locations by Frequent Use: Public Access to Storage Tanks, Diapers, and Other similar Hazards (reaffirmation of ANSI/ASSE Z126.2-2001)
  PINS Date: Mar 21, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z126.3-2007, Safety Requirements for Access to Locations by Frequent Use: Storage Tanks, Diapers, and Other similar Hazards (reaffirmation of ANSI/ASSE Z126.3-2001)
  PINS Date: Mar 21, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

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  PINS Date: Mar 11, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z18.3-2007, Safety Requirements for Access to Locations by Frequent Use (reaffirmation of ANSI/ASSE Z18.3-2002)
  PINS Date: Mar 11, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z18.4-2007, Safety Requirements for Access to Locations by Frequent Use (reaffirmation of ANSI/ASSE Z18.4-2002)
  PINS Date: Mar 11, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z18.5-2007, Safety Requirements for Access to Locations by Frequent Use (reaffirmation of ANSI/ASSE Z18.5-2002)
  PINS Date: Mar 11, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised

- ANSI/ASSE Z18.6-2007, Safety Requirements for Access to Locations by Frequent Use (reaffirmation of ANSI/ASSE Z18.6-2002)
  PINS Date: Mar 11, 2007 | Public Review Date: Mar 25, 2010 | Final Action Date: Sep 16, 2010 | Revised
# Approved American National Standards

<table>
<thead>
<tr>
<th>ANSI/ASSP Z244.1-2016 (R2020), The Control of Hazardous Energy Lockout, Tagout and Alternative Methods (reaffirmation of ANSI/ASSE Z244.1-2016)</th>
<th>PINS Date: Nov 29, 2019</th>
<th>Public Review Date: Jan 24, 2020</th>
<th>Final Action Date: Jul 9, 2020</th>
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</thead>
<tbody>
<tr>
<td>ANSI/ASSP Z359.11-2021, Safety Requirements for Full Body Harnesses (revision and redesignation of ANSI/ASSE Z359.11-2014)</td>
<td>PINS Date: May 22, 2020</td>
<td>Public Review Date: Jan 1, 2021</td>
<td>Final Action Date: Mar 18, 2021</td>
<td>Approved</td>
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<td>ANSI/ASSP Z359.3-2019, Safety Requirements for Lanyards and Positioning Lanyards (revision and redesignation of ANSI/ASSE Z359.3-2017)</td>
<td>PINS Date: Feb 23, 2018</td>
<td>Public Review Date: Mar 1, 2019</td>
<td>Final Action Date: Jun 28, 2019</td>
<td>Approved</td>
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<td>ANSI/ASSP Z359.4-2013 (R2022), Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (reaffirmation of ANSI/ASSE Z359.4-2013)</td>
<td>PINS Date: Mar 7, 2014</td>
<td>Public Review Date: Jul 8, 2022</td>
<td>Final Action Date: Aug 25, 2022</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASSP Z359.9-2021, Personal Equipment for Protection Against Falls Descent Controllers (new standard)</td>
<td>PINS Date: Mar 26, 2021</td>
<td>Public Review Date: May 7, 2021</td>
<td>Final Action Date: Aug 11, 2021</td>
<td>Approved</td>
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<td>ANSI/ASSP Z590.3-2021, Prevention through Design. Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes (revision and redesignation of ANSI/ASSE Z590.3-2011 (R2016))</td>
<td>PINS Date: Sep 18, 2020</td>
<td>Public Review Date: Jun 18, 2021</td>
<td>Final Action Date: Aug 5, 2021</td>
<td>Approved</td>
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</tbody>
</table>
### Approved American National Standards

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

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- ANSI/ASSP Z9.5-2022, Laboratory Ventilation (revision and redesignation of ANSI/AIHA Z9.5-2010)  
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100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 | W: www.astm.org

- ANSI/AIHA Z88.10-2010, Respirator Fit Testing Methods (revision and redesignation of ANSI Z88.10-2001)  
  PINS Date: Jul 28, 2006 | Public Review Date: Sep 18, 2009 | Final Action Date: Dec 2, 2010 | Approved

- ANSI/AIHA Z88.7-2010, Color Coding of Air-Purifying Respirator Canisters, Cartridges, and Filters (revision of ANSI Z88.7-2001)  
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  PINS Date: Aug 29, 2014 | Public Review Date: Oct 3, 2014 | Final Action Date: Mar 4, 2015 | Approved
## Approved American National Standards

### ASTM (ASTM International)

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<th>Title</th>
<th>Public Review Date</th>
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<tr>
<td>PINS Date: Jul 10, 2020</td>
<td>Public Review Date: Sep 4, 2020</td>
<td>Final Action Date: Oct 20, 2020</td>
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| **ANSI/ASTM D2683-2020, Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing** (revision of ANSI/ASTM D2683-2014)  
| Public Review Date: Oct 9, 2020 | Final Action Date: Nov 24, 2020 | **Approved** |

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| **ANSI/ASTM D2774-2021a, Practice for Underground Installation of Thermoplastic Pressure Piping** (revision of ANSI/ASTM D2774-2021)  
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| **ANSI/ASTM D3035-2022, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter** (revision of ANSI/ASTM D3035-2021)  
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<tr>
<td>ANSI/ASTM D6708-2021</td>
<td>Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material</td>
<td>(revision of ANSI/ASTM D6708-2019a)</td>
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### ANSI/ASTM Standards Approval List

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title Details</th>
</tr>
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<tbody>
<tr>
<td>ANSI/ASTM D7856-2021</td>
<td>Specification for Color and Appearance Retention of Solid and Variegated Color Plastic Siding Products using CIELab Color Space (revision of ANSI/ASTM D7856-2015A)  &lt;br&gt;PINS Date: Nov 6, 2020</td>
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<tr>
<td>ANSI/ASTM D7915-2022</td>
<td>Practice for Application of Generalized Extreme Studentized Deviate (GESD) Technique to Simultaneously Identify Multiple Outliers in a Data Set (revision of ANSI/ASTM D7915-2018)  &lt;br&gt;Public Review Date: Apr 8, 2022</td>
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<tr>
<td>ANSI/ASTM D8428-2022</td>
<td>Standard Guide for Establishing Analyst Competence to Perform a Test Method (new standard)  &lt;br&gt;PINS Date: May 13, 2022</td>
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<tr>
<td>ANSI/ASTM E0620-2018</td>
<td>Practice for Reporting Opinions of Scientific or Technical Experts (new standard)  &lt;br&gt;PINS Date: Aug 6, 2021</td>
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<tr>
<td>ANSI/ASTM E105-2021</td>
<td>Practice for Probability Sampling of Materials (revision of ANSI/ASTM E105-2016)  &lt;br&gt;Public Review Date: May 7, 2021</td>
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<tr>
<td>ANSI/ASTM E1388-2017</td>
<td>Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (new standard)</td>
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<tr>
<td>ANSI/ASTM E1413-2019</td>
<td>Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube (new standard)</td>
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<tr>
<td>ANSI/ASTM E1462-2018a</td>
<td>Test Methods for Insulation Integrity and Ground Path Continuity of Photovoltaic Modules (new standard)</td>
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<td>Standard Title</td>
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Approved American National Standards

ASTM (ASTM International)

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- ANSI/ASTM E1740-2022, Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wall Covering or Ceiling Covering Composites Using a Cone Calorimeter (revision of ANSI/ASTM E1740-2020A)
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- ANSI/ASTM E177-2020, Practice for Use of the Terms Precision and Bias in ASTM Test Methods (revision of ANSI/ASTM E177-2019)
  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 20, 2020 | Approved

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- ANSI/ASTM E178-2021, Practice for Dealing With Outlying Observations (revision of ANSI/ASTM E178-2016)
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  Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved
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<th>Public Review Date:</th>
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# Approved American National Standards

**ASTM (ASTM International)**

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<th>Title</th>
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<th>Date of Action</th>
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Approved American National Standards

ASTM (ASTM International)

- 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 E235-2019, Specification for Type K and Type N Mineral-Insulated, Metal-Sheathed Thermocouples for Nuclear or for Other High-Reliability Applications (revision of ANSI/ASTM E235-2017 (R2018))
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

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- 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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- ANSI/ASTM E2548-2016, Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (new standard)
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ANSI/ASTM E2696-2021, Practice for Life and Reliability Testing Based on the Exponential Distribution  (revision of ANSI/ASTM E2696-2009 (R2018))
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ANSI/ASTM E2708-2021a, Terminology for Accreditation and Certification  (revision of ANSI/ASTM E2708-2018A)
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ANSI/ASTM E2749-2010 (R2019), Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens  (reaffirmation of ANSI/ASTM E2749-2010 (R2014))
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## ASTM (ASTM International)

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- **ANSI/ASTM E2762-2010 (R2020)**, Practice for Sampling a Stream of Product by Variables Indexed by AQL  
  (reaffirmation of ANSI/ASTM E2762-2010 (R2014))
  - Public Review Date: Dec 6, 2019 | Final Action Date: Jan 21, 2020 | Approved

- **ANSI/ASTM E2766-2018 (R2019)**, Practice for Installation of Roof Mounted Photovoltaic Arrays on Steep-Slope Roofs  
  (reaffirmation of ANSI/ASTM E2766-2018)
  - Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved

- **ANSI/ASTM E2768-2011 (R2018)**, Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)  
  (reaffirmation of ANSI/ASTM E2768-2011)
  - Public Review Date: Mar 10, 2017 | Final Action Date: Aug 1, 2018 | Approved

  (reaffirmation of ANSI/ASTM E2782-2017)
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  (revision of ANSI/ASTM E2816-2018B)
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- **ANSI/ASTM E2819-2021 (R2021)**, Practice for Single- and Multi-Level Continuous Sampling of a Stream of Product by Attributes Indexed by AQL  
  (reaffirmation of ANSI/ASTM E2819-2011 (R2015))
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- **ANSI/ASTM E2833-2012 (R2018)**, Practice for Certification Bodies that Certify Personnel Engaged in Inspection and Testing of Construction Activities and Materials Used in Construction, Including Special Inspection  
  (reaffirmation of ANSI/ASTM E2833-2012)
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  (revision of ANSI/ASTM E2846-2017)
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- **ANSI/ASTM E2848-2018 (R2018)**, Test Method for Reporting Photovoltaic Non-Concentrator System Performance  
  (reaffirmation of ANSI/ASTM E2848-2018)
  - Public Review Date: Apr 6, 2018 | Final Action Date: May 22, 2018 | Approved
<table>
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<th>Standard Number</th>
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<th>PINS Date</th>
<th>Public Review Date</th>
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<td>Practice for Ignition Sources (revision of ANSI/ASTM E3020-2016A)</td>
<td>Sep 3, 2021</td>
<td>Feb 1, 2022</td>
<td>Approved</td>
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Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved

ANSI/ASTM E3046-2015, Standard Guide for Core Competencies for Mobile Phone Forensics (new standard)
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ANSI/ASTM E3182-2020, Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products (new standard)
Public Review Date: Jul 12, 2019 | Final Action Date: Jan 1, 2020 | Approved

ANSI/ASTM E3189-2019, Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

ANSI/ASTM E3196-2021, Terminology Relating to the Examination of Explosives (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved
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ASTM (ASTM International)

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## Approved American National Standards

### ASTM (ASTM International)

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

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### ASTM (ASTM International)

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

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ANSI/ASTM F1495-2020, Specification for Combination Oven Electric or Gas Fired (revision of ANSI/ASTM F1495-2014A)
Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

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Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

ANSI/ASTM F1521-2022, Test Methods for Performance of Range Tops (revision of ANSI/ASTM F1521-2012 (R2018))
Public Review Date: Sep 2, 2022 | Final Action Date: Oct 18, 2022 | Approved

ANSI/ASTM F1533-2020, Specification for Deformed Polyethylene (PE) Liner (new standard)
Public Review Date: Jun 19, 2020 | Final Action Date: Aug 4, 2020 | Approved

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Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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Approved American National Standards

ASTM (ASTM International)

  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | 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)
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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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# Approved American National Standards

## ASTM (ASTM International)

  - Public Review Date: Jul 1, 2022 | Final Action Date: Aug 16, 2022 | Approved

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- ANSI/ASTM F2092-2014 (R2022), Specification for Convection Oven Gas or Electric  (reaffirmation of ANSI/ASTM F2092-2014)
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<td>Test Method for Performance of Hot Food Holding Cabinets</td>
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# ASTM (ASTM International)

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Approved American National Standards

**ASTM (ASTM International)**

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## Approved American National Standards

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<td>ANSI/ASTM F2574-2006, Specification for Low Velocity Projectile Marker</td>
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Approved American National Standards

ASTM (ASTM International)

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

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

- ANSI/ASTM F2650-2017, TERMINOLOGY RELATING TO IMPACT TESTING OF SPORTS SURFACES AND EQUIPMENT  (revision of ANSI/ASTM F2650-2013)  
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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
<table>
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<th>Standard Number</th>
<th>Title</th>
<th>Date of Approval</th>
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<td>ANSI/ASTM F2765-2014 (R2021)</td>
<td>Specification for Total Lead Content in Synthetic Turf Fibers (reaffirmation of ANSI/ASTM F2765-2014)</td>
<td>Final Action Date: May 1, 2021</td>
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<tr>
<td>ANSI/ASTM F2767-2018</td>
<td>Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide-12 Pipe and Tubing for Gas Distribution (revision of ANSI/ASTM F2767-2017)</td>
<td>Final Action Date: Apr 24, 2018</td>
</tr>
<tr>
<td>ANSI/ASTM F2773-2013 (R2021)</td>
<td>Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders (reaffirmation of ANSI/ASTM F2773-2013 (R2017))</td>
<td>Final Action Date: May 18, 2021</td>
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<tr>
<td>ANSI/ASTM F2793-2014</td>
<td>Specification for Bicycle Grips (new standard)</td>
<td>Final Action Date: Sep 23, 2014</td>
</tr>
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ASTM (ASTM International)

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

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  (revision of ANSI/ASTM F2806-2017)
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  (reaffirmation of ANSI/ASTM F2811-2015)
  Public Review Date: May 22, 2020 | Final Action Date: Dec 15, 2020 | Approved

- ANSI/ASTM F2812-2012 (R2018), Specification for Goggle- and Spectacle-Type Eye Protectors for Selected Motor Sports  
  (reaffirmation of ANSI/ASTM F2812-2012)
  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/ASTM F2817-2013 (R2019), Specification for Poly (Vinyl Chloride) (PVC) Gas Pressure Pipe and Fittings For Maintenance or Repair  
  (reaffirmation of ANSI/ASTM F2817-2017)
  Public Review Date: Jul 7, 2017 | Final Action Date: May 1, 2019 | Approved

- ANSI/ASTM F2818-2010 (R2019), Specification for Crosslinked Polyethylene (PEX) Material Gas Pressure Pipe and Tubing  
  (reaffirmation of ANSI/ASTM F2818-2017)
  Public Review Date: Jul 12, 2019 | Final Action Date: Aug 20, 2019 | Approved

  (revision of ANSI/ASTM F2829-2020)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI/ASTM F2830-2011 (R2017), Specification for Manufacture and Joining of Polyethylene (PE) Gas Pressure Pipe With a Peelable Polypropylene (PP) Outer Layer  
  (reaffirmation of ANSI/ASTM F2830-2017)
  Public Review Date: Jul 7, 2017 | Final Action Date: Aug 22, 2017 | Approved

- 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

  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

- ANSI/ASTM F2842-2020, Specification for Reins Used in Thoroughbred and Quarter Horse Racing  
  (revision of ANSI/ASTM F2842-2011 (R2017))
  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Jun 25, 2019 | Approved
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  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved

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

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  Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Jun 25, 2019 | Approved

- 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

  Public Review Date: Jul 1, 2022 | Final Action Date: Aug 16, 2022 | Approved

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  Public Review Date: Apr 8, 2022 | Final Action Date: May 24, 2022 | Approved

- 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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  Public Review Date: Jul 9, 2021 | Final Action Date: Aug 24, 2021 | Approved

- 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))
  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved
<table>
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<th>Revision Date</th>
<th>Action Date</th>
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The data in this document is reported as of Monday, December 12, 2022

Approved American National Standards

ASTM (ASTM International)

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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
Approved American National Standards

ASTM (ASTM International)

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- 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

  Public Review Date: Jun 1, 2018 | Final Action Date: Aug 1, 2018 | Approved

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

  Public Review Date: Oct 5, 2018 | Final Action Date: Aug 1, 2019 | Approved

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  Public Review Date: Oct 4, 2019 | Final Action Date: Nov 19, 2019 | Approved
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<tr>
<td>ANSI/ASTM F3255-2019</td>
<td>Specification for Rapid pull down refrigerators (Blast Chillers), freezers (blast freezers), combination refrigerator/freezer (blast chiller/freezers), and quick chillers for commercial use  (new standard)</td>
<td>PINS Date: Nov 4, 2016</td>
<td>Final Action Date: Mar 26, 2019</td>
</tr>
<tr>
<td>ANSI/ASTM F3285-2018</td>
<td>Guide for Installation and Application of Type C Portable Tanks for Marine LNG Service  (new standard)</td>
<td>Public Review Date: Mar 9, 2018</td>
<td>Final Action Date: May 15, 2018</td>
</tr>
<tr>
<td>ANSI/ASTM F3312-2018</td>
<td>Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly  (new standard)</td>
<td>Public Review Date: May 11, 2018</td>
<td>Final Action Date: Jun 26, 2018</td>
</tr>
<tr>
<td>ANSI/ASTM F3328-2018</td>
<td>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)</td>
<td>Public Review Date: Aug 21, 2018</td>
<td>Approved</td>
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<tr>
<td>ANSI/ASTM F3346-2019</td>
<td>Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PE-RT/AL/PE-RT) Composite Pressure Pipe  (new standard)</td>
<td>Public Review Date: Jun 1, 2019</td>
<td>Approved</td>
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</table>
## Approved American National Standards

*ASTM (ASTM International)*

  - Public Review Date: Jun 3, 2022 | Final Action Date: Jul 19, 2022 | Approved

- **ANSI/ASTM F3351-2020**, Test Method for Playground surface impact testing in a laboratory at a specified test height *(new standard)*
  - Public Review Date: Sep 6, 2019 | Final Action Date: Dec 1, 2019 | Approved

  - PINS Date: Nov 24, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Feb 15, 2019 | Approved

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

- **ANSI/ASTM F3372-2020**, Practice for Butt Fusion Joining of PA12 Pipe and Fittings *(new standard)*
  - Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

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  - Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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  - PINS Date: Jun 7, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

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  - PINS Date: Aug 23, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 21, 2020 | Approved

  - PINS Date: Aug 23, 2019 | Public Review Date: Sep 4, 2020 | Final Action Date: Apr 15, 2021 | Approved
| ANSI/ASTM F3460-2021, Test Method for Seam Measurement Procedure for Baseballs and Softballs (new standard) | PINS Date: Jan 3, 2020 | Public Review Date: Jun 12, 2020 | Final Action Date: Jul 28, 2020 | Approved |
| ANSI/ASTM F3506-2021, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PERT/AL/PE-RT) Composite Pressure Pipe1 based on Inner Diameter (ID) for use in Air Conditioning and Refrigeration Line (new standard) | PINS Date: Nov 27, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved |
| ANSI/ASTM F3507-2021, Practice for Butt-Fusion Joining of Crosslinkable Polyethylene (CX-PE) Pipe and Tubing (new standard) | PINS Date: Apr 20, 2018 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved |
| 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) | PINS Date: Jun 23, 2017 | Public Review Date: Oct 8, 2021 | Final Action Date: Feb 1, 2022 | Approved |
| ANSI/ASTM F3539-2022, Standard Practice for Creation of Walkway Tribometer Interlaboratory Study Reports and Test Procedures (new standard) | PINS Date: Feb 19, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Feb 1, 2022 | Approved |
| ANSI/ASTM F3543-2022, Terminology for Hunting Saddles (new standard) | PINS Date: Mar 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Feb 1, 2022 | Approved |
Approved American National Standards

ASTM (ASTM International)

- ANSI/ASTM F3544-2021, Test Method for Hunting Saddle Static Load Capacity (new standard)
  PINS Date: Mar 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

- ANSI/ASTM F3545-2022, Test Method for Static Loading of Treestands, Climbing Sticks, and Tripod or Tower Stands (new standard)
  PINS Date: Aug 30, 2019 | Public Review Date: Dec 10, 2021 | Final Action Date: Jan 25, 2022 | Approved

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  Public Review Date: Jan 8, 2021 | Final Action Date: Jun 15, 2021 | Approved

  Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved
## Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

**ASTM (ASTM International)**

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  - Public Review Date: Oct 4, 2019 | Final Action Date: Nov 19, 2019 | Approved

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

  - Public Review Date: Aug 4, 2017 | Final Action Date: Sep 19, 2017 | Approved

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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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ASTM (ASTM International)

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

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Approved American National Standards

ASTM (ASTM International)

  Public Review Date: Oct 7, 2022 | Final Action Date: Nov 22, 2022 | Approved

  Public Review Date: Jan 10, 2020 | Final Action Date: Feb 25, 2020 | Approved

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  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 19, 2022 | Approved

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- ANSI/ASTM F998-2012 (R2022), Specification for Centrifugal Pump, Shipboard Use (reaffirmation of ANSI/ASTM F998-2012 (R2018))
  Public Review Date: Sep 2, 2022 | Final Action Date: Oct 18, 2022 | Approved

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  PINS Date: Mar 16, 2012 | Public Review Date: Aug 3, 2012 | Final Action Date: Sep 18, 2012 | Approved

  PINS Date: Oct 24, 2014 | Public Review Date: Dec 12, 2014 | Final Action Date: May 19, 2015 | Approved
ATCC (American Type Culture Collection)

- ANSI/ATCC ASN-0002-2021, Authentication Of Human Cell Lines: Standardization Of Short Tandem Repeat (STR) Profiling (revision of ANSI/ATCC ASN-0002-2011)
PINS Date: Jan 20, 2017 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 23, 2021 | Approved

- ANSI/ATCC ASN-0003-2015, Species-Level Identification of Animal Cells through Mitochondrial Cytochrome c Oxidase Subunit 1 (CO1) DNA Barcodes (new standard)
PINS Date: Nov 22, 2013 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

ATIS (Alliance for Telecommunications Industry Solutions)

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- ANSI ATIS 0100036-2013 (R2018), Media Plane Performance Security Impairments for Evolving VoIP/Multimedia Networks (reaffirmation of ANSI ATIS 0100036-2013)
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 0100514-2009 (S2019), Network Performance Parameters and Objectives for Dedicated Digital Services – SONET Bit Rates (stabilized maintenance of ANSI ATIS 0100514-2009 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 0100522-2000 (S2019), Quality of Service for Business Multimedia Conferencing (stabilized maintenance of ANSI ATIS 0100522-2000 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 0300204-2008 (S2018), Operations, Administration, Maintenance, and Provisioning (OAM&P) Lower-Layer Protocols for Telecommunications Management Network (TMN) Interfaces, Q and X Interfaces (stabilized maintenance of ANSI ATIS 0300204-2008 (R2013))
  Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

- ANSI ATIS 0300216-2013 (R2018), Integrated Services Digital Network (ISDN) Management – Basic Rate Physical Layer (reaffirmation of ANSI ATIS 0300216-2013)
  Public Review Date: Aug 24, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI ATIS 0300217-2013 (R2018), Integrated Service Digital Network (ISDN) Management – Primary Rate Physical Layer (reaffirmation of ANSI ATIS 0300217-2013)
  Public Review Date: Jun 29, 2018 | Final Action Date: Aug 23, 2018 | Approved

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  Public Review Date: Nov 22, 2019 | Final Action Date: Jan 13, 2020 | Approved

- ANSI ATIS 0300255-2008 (S2018), In-Service, Non-Intrusive Measurement Device (INMD) Methodology for Applying INMD Measurements to Customer Opinion Models (stabilized maintenance of ANSI ATIS 0300255-2008 (R2013))
  Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved
ATIS (Alliance for Telecommunications Industry Solutions)

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- ANSI ATIS 0600308-2008 (S2018), Central Office Equipment - Electrostatic Discharge Immunity Requirements (stabilized maintenance of ANSI ATIS 0600308-2008 (R2013))
  PINS Date: Oct 13, 2017 | Public Review Date: Apr 6, 2018 | Final Action Date: May 31, 2018 | Approved

- ANSI ATIS 0600329-2014 (R2019), Network Equipment - Earthquake Resistance (reaffirmation of ANSI ATIS 0600329-2014)
  Public Review Date: Jul 12, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI ATIS 0600413-2009 (R2019), Network to Customer Installation Interfaces – Asymmetric Digital Subscriber Line (ADSL) Metallic Interface (reaffirmation of ANSI ATIS 0600413-2009 (R2014))
  Public Review Date: Dec 28, 2018 | Final Action Date: Mar 8, 2019 | Approved

- ANSI ATIS 0700004.a-2008 (S2017), Supplement to ATIS High Capacity-Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004.a-2008 (R2013))
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved

- ANSI ATIS 0700070-1997 (S2017), Stage 1 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-E) Supplementary Service (stabilized maintenance of ANSI ATIS 0700070-1997 (R2013))
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved

- ANSI ATIS 0700078-1998 (S2017), PCS 1900 Service Provider Number Portability (stabilized maintenance of ANSI ATIS 0700078-1998 (R2013))
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved

- ANSI ATIS 0700724-2014 (R2019), UMTS Handover Interface for Lawful Interception (reaffirmation of ANSI ATIS 0700724-2014)
  Public Review Date: Feb 15, 2019 | Final Action Date: Nov 19, 2019 | Approved

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- ANSI ATIS 0900101-2013 (R2018), Synchronization Interface Standard (reaffirmation of ANSI ATIS 0900101-2013)
  Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 0900105.03-2013 (R2018), Synchronous Optical Network (SONET) - Jitter at Network Interfaces (reaffirmation of ANSI ATIS 0900105.03-2013)
  Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 0900105.09-2013 (R2018), Synchronous Optical Network (SONET) - Network Timing and Synchronization (reaffirmation of ANSI ATIS 0900105.09-2013)
  Public Review Date: Oct 13, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 1000017-2008 (S2018), Interworking between the ISDN User - Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS) (stabilized maintenance of ANSI ATIS 1000017-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved
Approved American National Standards

ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI ATIS 1000025-2013 (R2018), User to Network Interface (UNI) Standard for Signaling and Control Security Requirements for Evolving VoP/Multimedia Networks (reaffirmation of ANSI ATIS 1000025-2013)
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI ATIS 1000026-2008 (S2018), Session Border Controller Functions and Requirements (stabilized maintenance of ANSI ATIS 1000026-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 1000028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard (stabilized maintenance of ANSI ATIS 1000028-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 1000029-2008 (S2018), Security Requirements for NGN (stabilized maintenance of ANSI ATIS 1000029-2008 (R2013))
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- ANSI ATIS 1000030-2008 (S2018), Authentication and Authorization Requirements for Next Generation Network (NGN) (stabilized maintenance of ANSI ATIS 1000030-2008 (R2013))
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- ANSI ATIS 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)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Jan 24, 2014 | Public Review Date: Apr 11, 2014 | Final Action Date: Jun 2, 2014 | Approved

- 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)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000610-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services (stabilized maintenance of ANSI ATIS 1000610-1998 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved
ATIS (Alliance for Telecommunications Industry Solutions)

- 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))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

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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

  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- 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))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 1000625-1993 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services (stabilized maintenance of ANSI ATIS 1000625-1993 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI ATIS 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
### ATIS (Alliance for Telecommunications Industry Solutions)

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

- **ANSI ATIS 1000643-1998 (S2018), Integrated Services Digital Network (ISDN) - Explicit Call Transfer Supplementary Service**  (stabilized maintenance of ANSI ATIS 1000643-1998 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000645-1995 (S2018), B-ISDN Signaling ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at the NNI)**  (stabilized maintenance of ANSI ATIS 1000645-1995 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

- **ANSI ATIS 1000654-1996 (S2018), Broadband Integrated Services Digital Network (B-ISDN) - Operations and Maintenance Principles and Functions**  (stabilized maintenance of ANSI ATIS 1000654-1996 (R2013))
  - Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

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

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

- **ANSI ATIS 1000678.b.v2-2010 (R2018), Supplement B to ATIS-1000678.v2.2006 (R2013), Lawfully Authorized Electronic Surveillance (LAES) for Voice over Packet Technologies in Wireline Telecommunications Networks**  (reaffirmation of ANSI ATIS 1000678.b.v2-2010 (R2013))
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- **ANSI/ATIS 0100008-2007 (S2017), Defects Per Million (DPM) Metric for Transaction Services such as VoIP**  (stabilized maintenance of ANSI ATIS 0100008-2007 (R2012))
  - Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

- **ANSI/ATIS 0100012-2019, Standard Outage Classification**  (revision of ANSI ATIS 0100012-2013)
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<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Description</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/ATIS 0100017-2008</td>
<td>Reduced Reference Video Calibration Estimation Method</td>
<td>Nov 24, 2017</td>
<td>Feb 6, 2018</td>
<td>Approved</td>
</tr>
<tr>
<td>(stabilized maintenance</td>
<td>of ANSI/ATIS 0100017-2008 (R2013))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSI/ATIS 0100020-2008</td>
<td>Quantifying the Impact on IP Service Availability from Network Element</td>
<td>Nov 24, 2017</td>
<td>Feb 6, 2018</td>
<td>Approved</td>
</tr>
<tr>
<td>Outages</td>
<td>(stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSI/ATIS 0100022-2008</td>
<td>Priority Classification Levels for Next Generation Networks</td>
<td>Nov 24, 2017</td>
<td>Feb 6, 2018</td>
<td>Approved</td>
</tr>
<tr>
<td>(stabilized maintenance</td>
<td>of ANSI/ATIS 0100022-2008 (R2013))</td>
<td></td>
<td></td>
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<tr>
<td>(stabilized maintenance</td>
<td>of ANSI/ATIS 0100027-2010 (R2015))</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Failure Rates in</td>
<td>Telecommunications Network Elements</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(reaffirmation of ANSI</td>
<td>ATIS 0100030-2012)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems</td>
<td>(reaffirmation of ANSI/ATIS 0100037-2013)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Differential Pulse-Code</td>
<td>Modulation (ADPCM)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(stabilized maintenance</td>
<td>of ANSI/ATIS 0100312-1991 (R2011))</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Differential Pulse-Code</td>
<td>Modulation (ADPCM)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANSI/ATIS 0100502-2005</td>
<td>System N-NTSC Television Signals - Network Interfaces Specifications and</td>
<td>Jan 24, 2020</td>
<td>Jun 8, 2020</td>
<td>Approved</td>
</tr>
<tr>
<td>Performance Parameters</td>
<td>(stabilized maintenance of ANSI/ATIS 0100502-2005 (R2015))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and Measurements</td>
<td>(stabilized maintenance of ANSI/ATIS 0100503-2002 (R2011))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurements, Methods,</td>
<td>Measurements Methods, and Objectives (stabilized maintenance of ANSI/ATIS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and Objectives</td>
<td>0100504-1998 (R2011))</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specifications</td>
<td>(stabilized maintenance of ANSI/ATIS 0100506-1997 (R2011))</td>
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ATIS (Alliance for Telecommunications Industry Solutions)

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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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ATIS (Alliance for Telecommunications Industry Solutions)

- 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 0100801.04-2005 (S2020), Multimedia Communications Delay, Synchronization and Frame Rate  (stabilized maintenance of ANSI/ATIS 0100801.04-2005 (R2015))
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ATIS (Alliance for Telecommunications Industry Solutions)

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- ANSI/ATIS 0300209-2018, Operations, Administration, Maintenance, and Provisioning (OAM&P) - Network Tones and Announcements (revision of ANSI ATIS 0300209-2013)
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- ANSI/ATIS 0300213-2020, Structure for the Identification of Equipment Entities for Information Exchange (revision of ANSI ATIS 0300213-2014)
  PINS Date: Mar 1, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 13, 2020 | Approved

- ANSI/ATIS 0300218-2019, ISDN Management - Data-Link and Network Layers (revision of ANSI ATIS 0300218-2013)
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- ANSI/ATIS 0300223-2018, ISDN Management - Data-Link and Network Layers (revision of ANSI ATIS 0300223-2014)
  PINS Date: Mar 29, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 13, 2020 | Approved

  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 10, 2020 | Approved
<table>
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<tr>
<th>Standard Number</th>
<th>Title</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>ANSI/ATIS 0300231.01-2019</td>
<td>Digital Subscriber Line (DSL) – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.01-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300231.02-2019</td>
<td>DS1 – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.02-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300231.03-2019</td>
<td>DS3 – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.03-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300231.04-2019</td>
<td>SONET – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.04-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300232-2012 (S2022)</td>
<td>Human-to-Machine Interface Specification for Telecommunications Management (stabilized maintenance of ANSI/ATIS 0300232-2012 (R2017))</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300234-2000 (S2015)</td>
<td>Signalling System Number 7 (SS7) - MTP Levels 2 and 3 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300234-2000 (R2010))</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300245-2019</td>
<td>Directory Services for Telecommunications Management Network (TMN) and Synchronous Optical Network (SONET) (revision of ANSI ATIS 0300245-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0300247-2018</td>
<td>Operations, Administration, Maintenance, and Provisioning (OAM&amp;P) – Performance Management Functional Area Services and Information Model for Interfaces between Operations Systems and Networks (revision of ANSI ATIS 0300247-2013)</td>
<td>Approved</td>
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<tr>
<td>Standard Number</td>
<td>Title</td>
<td>PINS Date</td>
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<tr>
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<tr>
<td>ANSI/ATIS 0300253-2020</td>
<td>Structure for the Representation of Location Entities for Information Exchange</td>
<td>Mar 1, 2019</td>
</tr>
<tr>
<td>ANSI/ATIS 0600010.02-2012</td>
<td>Equipment Handling, Transportation Vibration, and Rail Car Shock Requirements for Network Communications Equipment (stabilized maintenance of ANSI/ATIS 0600010.02-2012 (R2017))</td>
<td>Mar 18, 2022</td>
</tr>
<tr>
<td>ANSI/ATIS 0600010.03-2011</td>
<td>Heat Dissipation Requirements for Network Telecom Equipment (stabilized maintenance of ANSI/ATIS 0600010.03-2011 (R2016))</td>
<td>Dec 18, 2020</td>
</tr>
<tr>
<td>Standard Number</td>
<td>Title</td>
<td>Status</td>
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<tr>
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<tr>
<td>ANSI/ATIS 0600015.01-2021</td>
<td>Energy Efficiency for Telecommunications Equipment: Methodology for Measurement and Reporting – Server Requirements (revision of ANSI/ATIS 0600015.01-2014)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600016-2018</td>
<td>Remote End POTS Splitter Requirements (revision of ANSI ATIS 0600016-2008 (R2013))</td>
<td>Approved</td>
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<tr>
<td>Standard Number</td>
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<td>ANSI/ATIS 0600026-2010</td>
<td>Network End POTS Splitter Requirements (stabilized maintenance of ANSI/ATIS 0600026-2010 (R2015))</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600029-2019</td>
<td>Standard for Irreversible Compression Lugs, Inline Splices, and Taps (revision of ANSI ATIS 0600029-2013)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600030-2021</td>
<td>Line-Powering of Telecommunications Equipment on Outside Plant (OSP) Copper Twisted Pair Loops (revision of ANSI/ATIS 0600030-2016)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600031-2019</td>
<td>(Pumped) Distributed Refrigerant Cooling – Standardized Infrastructure (revision of ANSI ATIS 0600031-2014)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600035-2018</td>
<td>Recommended Maintenance Routines and Frequencies for Central Office Backup Power (new standard)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600038-2022</td>
<td>Intrusion Protection for Outside Plant (OSP) Enclosures (new standard)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600039-2021</td>
<td>Outside Plant Enclosures and Assemblies – Fire Resistance Test (new standard)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600041-2022</td>
<td>Security Requirements for Telecommunications Equipment Structures (new standard)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600107.a-2005</td>
<td>Digital Hierarchy - Formats Specification (Virtual Concatenation and LCAS) (Supplement to ATIS-0600107) (stabilized maintenance of ANSI/ATIS 0600107a-2005 (R2010))</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600307-2018</td>
<td>Fire Resistance Criteria Ignitability Requirements for Equipment Assemblies, Ancillary Non-Metallic Apparatus, and Fire Spread Requirements for Wire and Cable (revision of ANSI ATIS 0600307-2014)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/ATIS 0600313-2018</td>
<td>Electrical Protection for Telecommunications Central Offices and Similar Type Facilities (revision of ANSI ATIS 0600313-2013)</td>
<td>Approved</td>
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</tbody>
</table>
ATIS (Alliance for Telecommunications Industry Solutions)

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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)
  PINS Date: Jan 3, 2020 | Public Review Date: Jun 26, 2020 | Final Action Date: Aug 28, 2020 | Approved

  PINS Date: Jan 3, 2020 | Public Review Date: Jun 26, 2020 | Final Action Date: Aug 28, 2020 | Approved

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  PINS Date: Jan 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Jul 16, 2020 | Approved

- 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

  PINS Date: Jun 26, 2020 | Public Review Date: Sep 4, 2020 | Final Action Date: Oct 22, 2020 | Approved
ATIS (Alliance for Telecommunications Industry Solutions)

- 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 and Customer Installation Interfaces - Analog Voicegrade Switched Access Lines with the Call Waiting, Distinctive Call Waiting, or Calling Identity Delivery on Call Waiting Feature (stabilized maintenance of ANSI/ATIS 0600401.04-2000 (R2010))
  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))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 10, 2015 | Approved
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  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

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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

  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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  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 5, 2015 | Approved

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- ANSI/ATIS 0600424-2004 (S2015), Interface Between Networks and Customer Installation Very-high-bit-rate Digital Subscriber Lines (VDSL) Metallic Interface (DMT based) (stabilized maintenance of ANSI ATIS 0600424-2004 (R2014))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

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

- ANSI/ATIS 0600427.02-2005 (S2015), Ethernet-based Multi-Pair Bonding (stabilized maintenance of ANSI/ATIS 0600427.02-2005 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved
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<th>Status</th>
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<th>Final Action Date</th>
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<td>0700711-1999</td>
<td>Number Portability for PCS 1900 short Message Service and other Services (R2014)</td>
<td>Approved</td>
<td>Feb 15, 2019</td>
<td>Nov 19, 2019</td>
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<td>0900105.02-2007</td>
<td>Synchronous Optical Network (SONET) - Payload Mappings (R2012)</td>
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ATIS (Alliance for Telecommunications Industry Solutions)

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- ANSI/ATIS 1000006-2005 (S2020), Signaling System No. 7 (SS7) - Emergency Telecommunications Service (ETS)
  (stabilized maintenance of ANSI/ATIS 1000006-2005 (R2015))
  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000007-2006 (S2016), Generic Signaling and Control Plane Security Requirements for Evolving Networks
  (stabilized maintenance of ANSI/ATIS 1000007-2006 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000008-2006 (S2016), Extensions to the Narrowband Signaling Syntax (NSS) - Syntax Definition
  (stabilized maintenance of ANSI/ATIS 1000008-2006 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000009-2006 (S2016), IP Network - To Network Interface (NNI) Standard for VoIP
  (stabilized maintenance of ANSI/ATIS 1000009-2006 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000010-2006 (S2016), Support of Emergency Telecommunications Service ETS in IP Network
  (stabilized maintenance of ANSI/ATIS 1000010-2006 (R2011))
  Public Review Date: Sep 9, 2016 | Final Action Date: Nov 7, 2016 | Approved

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

- ANSI/ATIS 1000013.v2-2015 (R2020), Lawfully Authorized Electronic Surveillance (LAES) for Internet Access and Services
  (reaffirmation of ANSI/ATIS 1000013.v2-2015)
  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

  Evolving VoP Multimedia Networks (stabilized maintenance of ANSI ATIS 1000019-2007 (R2012))
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  (stabilized maintenance of ANSI/ATIS 1000034-2010 (R2015))
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- ANSI/ATIS 1000044-2011 (S2021), ATIS Identity Management: Requirements and Use Case Standard
  (stabilized maintenance of ANSI/ATIS 1000044-2011 (R2016))
  Public Review Date: Nov 27, 2020 | Final Action Date: Feb 1, 2021 | Approved

- ANSI/ATIS 1000045-2012 (S2022), ATIS NGN Identity Management Mechanisms
  (stabilized maintenance of ANSI/ATIS 1000045-2012 (R2017))
  Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved

- ANSI/ATIS 1000050-2012 (S2022), Next Generation Network (NGN) Operator Regular Intercept Standard
  (stabilized maintenance of ANSI/ATIS 1000050-2012 (R2017))
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  (reaffirmation of ANSI/ATIS 1000055-2013)
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<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
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ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI/ATIS 1000607.a-2006 (S2016), Supplement to ATIS-1000607 (stabilized maintenance of ANSI/ATIS 1000607.a-2006 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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

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- ANSI/ATIS 1000616-2014 (R2019), ISDN - Call Hold Supplementary Service (reaffirmation of ANSI ATIS 1000616-2014)
  Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

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

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### ANSI/ATIS 1000630.a-2002 (S2020), Network - Broadband ISDN - ATM Adoption Layer for Constant Bit Rate Services Functionality and Specification
- **Status:** (stabilized maintenance of ANSI/ATIS 1000630.a-2002 (R2015))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
- **Approval:** Approved

### ANSI/ATIS 1000631-2005 (S2020), Signaling System No. 7 (SS7) - High Probability of Completion (HPC) Network Capability
- **Status:** (stabilized maintenance of ANSI/ATIS 1000631-2005 (R2015))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
- **Approval:** Approved

### ANSI/ATIS 1000634-1993 (S2016), Frame Relaying Service Specific Convergence Sublayer (FR-SSCS)
- **Status:** (stabilized maintenance of ANSI/ATIS 1000634-1993 (R2011))
- **Public Review Date:** Mar 18, 2016
- **Final Action Date:** May 13, 2016
- **Approval:** Approved

### ANSI/ATIS 1000635-1999 (S2020), Broadband ISDN - ATM Adaptation Layer Type 5 Common Part Functions and Specification
- **Status:** (stabilized maintenance of ANSI/ATIS 1000635-1999 (R2015))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
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### ANSI/ATIS 1000636-1999 (S2020), B-ISDN Signaling ATM Adaptation Layer (SAAL) - Overview Description
- **Status:** (stabilized maintenance of ANSI/ATIS 1000636-1999 (R2010))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
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### ANSI/ATIS 1000637-1999 (S2020), B-ISDN ATM Adaptation Layer - Service Specific Connection Oriented Protocol (SSCOP)
- **Status:** (stabilized maintenance of ANSI/ATIS 1000637-1999 (R2015))
- **Public Review Date:** Jan 31, 2020
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### ANSI/ATIS 1000638-1999 (S2020), B-ISDN ATM Adaptation Layer - Service Specific Coordination Function for Support of Signaling at the User-to-Network Interface (SSCF at the UNI)
- **Status:** (stabilized maintenance of ANSI/ATIS 1000638-1999 (R2015))
- **Public Review Date:** Jan 31, 2020
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- **Approval:** Approved

### ANSI/ATIS 1000639-1995 (S2016), Calling Name Identification Restriction
- **Status:** (stabilized maintenance of ANSI/ATIS 1000639-1995 (R2011))
- **Public Review Date:** Mar 18, 2016
- **Final Action Date:** May 13, 2016
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### ANSI/ATIS 1000639.a-2001 (S2016), Supplement to Calling Name Identification Restriction
- **Status:** (stabilized maintenance of ANSI/ATIS 1000639.a-2001 (R2011))
- **Public Review Date:** Mar 18, 2016
- **Final Action Date:** May 13, 2016
- **Approval:** Approved

### ANSI/ATIS 1000640-2001 (S2016), Broadband ISDN Network Node Interfaces and Inter-Network Interfaces - Rates and Formats Specifications
- **Status:** (stabilized maintenance of ANSI/ATIS 1000640-2001 (R2011))
- **Public Review Date:** Mar 18, 2016
- **Final Action Date:** May 13, 2016
- **Approval:** Approved

### ANSI/ATIS 1000641.a-2002 (S2017), Supplement to Calling Name Identification Presentation
- **Status:** (stabilized maintenance of ANSI/ATIS 1000641.a-2002 (R2012))
- **Public Review Date:** Jan 20, 2017
- **Final Action Date:** Mar 10, 2017
- **Approval:** Approved

### ANSI/ATIS 1000644-1995 (S2020), Broadband ISDN - Meta-signaling Protocol
- **Status:** (stabilized maintenance of ANSI/ATIS 1000644-1995 (R2015))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
- **Approval:** Approved

### ANSI/ATIS 1000646-2003 (S2020), Broadband ISDN - Physical Layer Specification for User-Network Interfaces Including DS1/ATM
- **Status:** (stabilized maintenance of ANSI/ATIS 1000646-2003 (R2015))
- **Public Review Date:** Jan 31, 2020
- **Final Action Date:** Jun 8, 2020
- **Approval:** Approved
Approved American National Standards

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- ANSI/ATIS 1000651.a-1996 (S2016), Mobility Management Application Protocol (MMAP) - Extensions (stabilized maintenance of ANSI/ATIS 1000651.a-1996 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- ANSI/ATIS 1000652-1996 (S2016), B-ISDN Signaling ATM Adaptation Layer - Layer Management for SAAL at the NNI (stabilized maintenance of ANSI/ATIS 1000652-1996 (R2011))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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- ANSI/ATIS 1000653.a-1998 (S2020), ISDN - Call Park Supplementary Service - Generic Procedures for the Control of ISDN Supplementary Services, Clarification for Number Identification (stabilized maintenance of ANSI/ATIS 1000653.a-1998 (R2015))
  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), Signaling 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

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Approved American National Standards

ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI/ATIS 1000668-1999 (S2020), Signaling System Number 7 (SS7) - Facility Request to Pivot (FRP) (stabilized maintenance of ANSI/ATIS 1000668-1999 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

- 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))
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ATSIP (Association of Transportation Safety Information Professionals)

  PINS Date: Mar 24, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Dec 18, 2017 | Approved
### AVIXA (Audiovisual and Integrated Experience Association)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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</thead>
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### AWC (American Wood Council)

<table>
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<tr>
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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### AWI (Architectural Woodwork Institute)

<table>
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<th>Title</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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</thead>
</table>
Approved American National Standards

AWI (Architectural Woodwork Institute)

  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)

  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)

- 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

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  PINS Date: Mar 20, 2015 | Public Review Date: May 27, 2016 | Final Action Date: Oct 11, 2016 | Approved
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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</thead>
</table>
### Approved American National Standards

**AWS (American Welding Society)**

- ANSI/AWS A5.23/A5.23M-2021, Specification for Low-Alloy and High Manganese Steel Electrodes and Fluxes for Submerged Arc Welding  
  (revision of ANSI/AWS A5.23/A5.23M-2011)  
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  (revision of ANSI/AWS A5.24/A5.24M-2014)  
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  (new standard)  
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- ANSI/AWS A5.28/A5.28M-2022, Specification for Low-Alloy Steel Electrodes and Rods for Gas Shielded Arc Welding  
  (revision of ANSI/AWS A5.28/A5.28M-2020)  
PINS Date: Sep 3, 2021 | Public Review Date: Jul 29, 2022 | Final Action Date: Sep 13, 2022 | **Approved**

- ANSI/AWS A5.29/A5.29M-2022, Specification for Low-Alloy Steel Electrodes for Flux Cored Arc Welding  
  (revision of ANSI/AWS A5.29/A5.29M-2021)  
PINS Date: Sep 3, 2021 | Public Review Date: Apr 22, 2022 | Final Action Date: Sep 8, 2022 | **Approved**

- ANSI/AWS A5.30/A5.30M-2022, Specification for Consumable Inserts  
  (new standard)  
PINS Date: May 26, 2017 | Public Review Date: May 13, 2022 | Final Action Date: Sep 8, 2022 | **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**

- ANSI/AWS A5.32M/A5.32-2021 (ISO 14175-2008 MOD), Welding Consumables—Gases and Gas Mixtures for Fusion Welding and Allied Processes  
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-AMD1-2016, 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**

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

- ANSI/AWS A5.5/A5.5M-2022, Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding  
  (revision of ANSI/AWS A5.5/A5.5M-2014)  
PINS Date: Feb 12, 2016 | Public Review Date: Jul 15, 2022 | Final Action Date: Sep 8, 2022 | **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**
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<th>PINS Date</th>
<th>Public Review Date</th>
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<td>ANSI/AWS B2.1-1-002-2020</td>
<td>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</td>
<td>Approved</td>
<td>Sep 17, 2021</td>
<td>Nov 12, 2021</td>
<td>Nov 14, 2022</td>
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<td>ANSI/AWS B2.1-1-003-2002 (S2022)</td>
<td>Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Galvanized Steel (M-1), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing</td>
<td>Approved</td>
<td>Sep 17, 2021</td>
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<td>ANSI/AWS B2.1-1-004-2002 (S2022)</td>
<td>Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel, (M-1, Group 1), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing</td>
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<td>Sep 17, 2021</td>
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<td>ANSI/AWS B2.1-1-008-2002 (S2022)</td>
<td>Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1, P-1, or S-1), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing</td>
<td>Approved</td>
<td>Sep 17, 2021</td>
<td>Nov 12, 2021</td>
<td>Nov 14, 2022</td>
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AWS (American Welding Society)

  PINS Date: Sep 17, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Nov 14, 2022 | Approved

- ANSI/AWS B2.1-1-012-2002 (S2022), 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 (stabilized maintenance of ANSI/AWS B2.1-1-012-2002 (R2013))
  PINS Date: Sep 17, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Nov 14, 2022 | 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 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 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: Sep 10, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: Sep 6, 2022 | Approved
AWS (American Welding Society)

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  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-204-2019, Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, E6010 (Vertical Downhill Root with the Balance Vertical Uphill), in the As-Welded Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-205-2019, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill), in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

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

- ANSI/AWS B2.1-1-207-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-208-2019, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-209-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2 and E7018, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-232-2019, 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
AWS (American Welding Society)

- 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: Apr 27, 2018 | 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

  PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

AWS (American Welding Society)

- ANSI/AWS B2.1-1/8-230-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-230-2002)
PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-231:2015, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309(L), and E309(L)-XX, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231-2002)
PINS Date: Mar 22, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Jul 14, 2015 | Approved

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

PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

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PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

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  PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

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

  PINS Date: Sep 17, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Nov 14, 2022 | Approved

  PINS Date: Sep 17, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Nov 14, 2022 | 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: Nov 12, 2021 | Final Action Date: Nov 14, 2022 | Approved

  PINS Date: Jan 25, 2019 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 18, 2021 | Approved

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  - Public Review Date: Aug 12, 2022 | Final Action Date: Nov 14, 2022 | Approved

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  - PINS Date: Jul 11, 2014 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 7, 2014 | Approved

  - PINS Date: Mar 1, 2013 | Public Review Date: Mar 14, 2014 | Final Action Date: Sep 12, 2014 | Approved

  - PINS Date: Nov 25, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: May 11, 2017 | Approved

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

  - PINS Date: Sep 23, 2016 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 3, 2019 | Approved

  - PINS Date: Jul 12, 2013 | Public Review Date: Dec 23, 2016 | Final Action Date: Mar 10, 2017 | Approved

  - 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

  - PINS Date: Apr 17, 2009 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 27, 2015 | Approved

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AWS (American Welding Society)

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- 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

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- 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

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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)
PINS Date: May 3, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

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PINS Date: Nov 15, 2013 | Public Review Date: Sep 24, 2021 | Final Action Date: Dec 17, 2021 | Approved

PINS Date: Mar 2, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 30, 2012 | Approved

- ANSI/AWS C4.7/C4.7M-2020, Recommended Practices for Oxyacetylene Welding of Steel (new standard)
PINS Date: Sep 18, 2015 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 7, 2020 | Approved

PINS Date: Aug 26, 2016 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 4, 2021 | Approved

- 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
### Approved American National Standards

**AWS (American Welding Society)**

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- **ANSI/AWS D1.8/D1.8M-2021, Structural Welding Code Seismic Supplement** (revision of ANSI/AWS D1.8/D1.8M -2016)
  - PINS Date: Nov 3, 2017 | Public Review Date: May 14, 2021 | Final Action Date: Aug 16, 2021 | Approved

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**AWS (American Welding Society)**

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## Approved American National Standards

**AWS (American Welding Society)**

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AWS (American Welding Society)

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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)
  PINS Date: Jul 13, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Mar 16, 2020 | Approved

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AWS (ASC Z49) (American Welding Society)

ANSI/AWS Z49.1-2021, Safety in Welding, Cutting and Allied Processes (revision of ANSI/AWS Z49.1-2012)
PINS Date: Sep 30, 2016 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 2, 2021 | Approved

AWWA (American Water Works Association)

ANSI/AWWA A100-2020, Water Wells (revision of ANSI/AWWA A100-2015)
PINS Date: Jan 22, 2016 | Public Review Date: Nov 29, 2019 | Final Action Date: Feb 6, 2020 | Approved

ANSI/AWWA B100-2015, Granular Filter Material (revision of ANSI/AWWA B100-2009)
PINS Date: May 25, 2012 | Public Review Date: Aug 28, 2015 | Final Action Date: Dec 10, 2015 | Approved

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

ANSI/AWWA B101-2022, Precoat Filter Media (revision of ANSI/AWWA B101-2016)
PINS Date: Sep 1, 2017 | Public Review Date: Jul 29, 2022 | Final Action Date: Sep 29, 2022 | Approved

ANSI/AWWA B102-2014 (R2020), Manganese Greensand for Filters (reaffirmation of ANSI/AWWA B102-2014)
PINS Date: Sep 30, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 30, 2020 | Approved

PINS Date: Sep 30, 2016 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

PINS Date: Sep 1, 2017 | Public Review Date: Dec 17, 2021 | Final Action Date: Apr 14, 2022 | Approved

PINS Date: Sep 30, 2016 | Public Review Date: Jan 18, 2019 | Final Action Date: May 10, 2019 | Approved

PINS Date: Sep 12, 2014 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 25, 2017 | Approved

ANSI/AWWA B200-2022, Sodium Chloride (revision of ANSI/AWWA B200-2017)
PINS Date: Nov 16, 2018 | Public Review Date: Feb 11, 2022 | Final Action Date: Apr 14, 2022 | Approved

ANSI/AWWA B201-2018, Soda Ash (revision of ANSI/AWWA B201-2013)
PINS Date: Sep 12, 2014 | Public Review Date: Aug 3, 2018 | Final Action Date: Oct 22, 2018 | Approved

ANSI/AWWA B202-2019, Quicklime and Hydrated Lime (revision of ANSI/AWWA B202-2013)
PINS Date: Sep 12, 2014 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 18, 2019 | Approved

ANSI/AWWA B300-2018, Hypochlorites (revision, redesignation and consolidation of ANSI/AWWA B300-2010, ANSI/AWWA B300a-2011)
PINS Date: May 3, 2013 | Public Review Date: Feb 23, 2018 | Final Action Date: Apr 24, 2018 | Approved

ANSI/AWWA B301-2017, Liquid Chlorine (revision of ANSI/AWWA B301-2010)
PINS Date: May 25, 2012 | Public Review Date: Aug 4, 2017 | Final Action Date: Oct 11, 2017 | Approved

ANSI/AWWA B302-2016, Ammonium Sulfate (revision of ANSI/AWWA B302-2010)
PINS Date: May 25, 2012 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 9, 2016 | Approved
### Approved American National Standards

#### AWWA (American Water Works Association)

  
  PINS Date: May 25, 2012 | Public Review Date: Sep 22, 2017 | Final Action Date: Nov 20, 2017 | Approved

  
  PINS Date: Jul 19, 2019 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 11, 2021 | Approved

  
  PINS Date: Mar 14, 2008 | Public Review Date: Sep 19, 2014 | Final Action Date: Jan 12, 2015 | Approved

  
  PINS Date: Apr 23, 2010 | Public Review Date: Sep 5, 2014 | Final Action Date: Jan 12, 2015 | Approved

  
  PINS Date: May 3, 2013 | Public Review Date: Jun 12, 2018 | Final Action Date: Jun 12, 2018 | Approved

- ANSI/AWWA B403-2016, Aluminum Sulfate *(revision of ANSI/AWWA B403-2009)*
  
  PINS Date: May 25, 2012 | Public Review Date: Jun 16, 2017 | Final Action Date: Jun 16, 2017 | Approved

- ANSI/AWWA B404-2014, Liquid Sodium Silicate *(revision of ANSI/AWWA B404-2008)*
  
  PINS Date: Apr 15, 2011 | Public Review Date: Apr 17, 2014 | Final Action Date: Apr 17, 2014 | Approved

- ANSI/AWWA B405-2016, Sodium Aluminate *(revision of ANSI/AWWA B405-2006)*
  
  PINS Date: Mar 14, 2008 | Public Review Date: Apr 21, 2016 | Final Action Date: Apr 21, 2016 | Approved

  
  PINS Date: Jan 29, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Feb 11, 2020 | Approved

  
  PINS Date: May 3, 2013 | Public Review Date: Jul 19, 2019 | Final Action Date: Aug 3, 2018 | Approved

- ANSI/AWWA B408-2017, Liquid Polyaluminum Chloride *(revision of ANSI/AWWA B408-2010)*
  
  PINS Date: May 25, 2012 | Public Review Date: Sep 28, 2017 | Final Action Date: Sep 28, 2017 | Approved

- ANSI/AWWA B451-2016, Poly(Diallyldimethylammonium Chloride) *(revision of ANSI/AWWA B451-2010)*
  
  PINS Date: May 25, 2012 | Public Review Date: Apr 18, 2016 | Final Action Date: Apr 18, 2016 | Approved

- ANSI/AWWA B452-2020, EPI-DMA Polyamines *(revision of ANSI/AWWA B452-2014)*
  
  PINS Date: Jan 29, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Feb 11, 2020 | Approved

  
  PINS Date: Sep 12, 2014 | Public Review Date: Jul 19, 2019 | Final Action Date: Jul 19, 2019 | Approved

- ANSI/AWWA B501-2019, Sodium Hydroxide (Caustic Soda) *(revision of ANSI/AWWA B501-2013)*
  
  PINS Date: Sep 12, 2014 | Public Review Date: Jul 9, 2019 | Final Action Date: Jul 9, 2019 | Approved

  
  PINS Date: May 3, 2013 | Public Review Date: Jun 16, 2017 | Final Action Date: Jun 16, 2017 | Approved

  
  PINS Date: May 3, 2013 | Public Review Date: Apr 21, 2017 | Final Action Date: Jun 19, 2017 | Approved

- ANSI/AWWA B504-2018, Monosodium Phosphate *(revision of ANSI/AWWA B504-2012)*
  
  PINS Date: May 3, 2013 | Public Review Date: Apr 21, 2017 | Final Action Date: Feb 27, 2018 | Approved
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<td>ANSI/AWWA B507-2016</td>
<td>Phosphoric Acid (new standard)</td>
<td>Jul 29, 2005</td>
<td>Approved</td>
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<td>ANSI/AWWA C104/A21.4-2022</td>
<td>Cement-Mortar Lining of Ductile-Iron Pipe and Fittings (revision of ANSI/AWWA C104/A21.4-2016)</td>
<td>Sep 1, 2017</td>
<td>Approved</td>
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AWWA (American Water Works Association)

  - PINS Date: May 3, 2013 | Public Review Date: Aug 20, 2021 | Final Action Date: Sep 23, 2021 | Approved

  - PINS Date: May 3, 2013 | Public Review Date: Jul 29, 2016 | Final Action Date: Oct 11, 2016 | Approved

  - PINS Date: May 3, 2013 | Public Review Date: Nov 1, 2019 | Final Action Date: Mar 31, 2020 | Approved

  - PINS Date: Sep 30, 2016 | Public Review Date: May 6, 2022 | Final Action Date: Aug 11, 2022 | Approved

  - PINS Date: Jan 29, 2016 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 12, 2021 | Approved

  - PINS Date: May 25, 2012 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 14, 2017 | Approved

  - PINS Date: May 3, 2013 | Public Review Date: Jul 19, 2019 | Final Action Date: Oct 25, 2019 | Approved

- ANSI/AWWA C200-2017, Steel Water Pipe - 6 In. (150 mm) and Larger (revision of ANSI/AWWA C200-2012)
  - PINS Date: May 3, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 23, 2017 | Approved

  - PINS Date: Sep 30, 2016 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 8, 2020 | Approved

- ANSI/AWWA C205-2017, Cement-Mortar Protective Lining and Coating for Steel Water Pipe - 4 In. (100 mm) and Larger - Shop Applied (revision of ANSI/AWWA C205-2012)
  - PINS Date: May 3, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 25, 2017 | Approved

- ANSI/AWWA C205a-2022, Addendum to C205-18, Cement-Mortar Protective Lining and Coating for Steel Water Pipe - 4 In. (100 mm) and Larger - Shop Applied (supplement to ANSI/AWWA C205-2017)
  - PINS Date: Jun 17, 2022 | Public Review Date: Sep 30, 2022 | Final Action Date: Nov 3, 2022 | Approved

- ANSI/AWWA C206-2016, Field Welding of Steel Water Pipe (revision of ANSI/AWWA C206-2011)
  - PINS Date: May 3, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 1, 2016 | Approved

- ANSI/AWWA C207-2018, Steel Pipe Flanges for Waterworks Service, Sizes 4 In. Through 144 In. (100 mm Through 3,600 mm) (revision of ANSI/AWWA C207-2013)
  - PINS Date: Sep 12, 2014 | Public Review Date: Dec 29, 2017 | Final Action Date: Dec 19, 2017 | Approved

  - PINS Date: Nov 16, 2018 | Public Review Date: Aug 12, 2022 | Final Action Date: Oct 7, 2022 | Approved

  - PINS Date: Sep 12, 2014 | Public Review Date: May 10, 2019 | Final Action Date: Jul 9, 2019 | Approved

  - PINS Date: Dec 4, 2009 | Public Review Date: Feb 20, 2015 | Final Action Date: Jun 3, 2015 | Approved
AWWA (American Water Works Association)

- ANSI/AWWA C210a-2020, Addendum to ANSI/AWWA C210-15 (supplement to ANSI/AWWA C210-2015)  
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 14, 2020 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 4, 2022 | Approved

  PINS Date: Jan 29, 2016 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 5, 2020 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Apr 1, 2022 | Final Action Date: May 17, 2022 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Jul 15, 2022 | Final Action Date: Sep 15, 2022 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Nov 6, 2015 | Final Action Date: Jan 8, 2016 | Approved

- ANSI/AWWA C217a-2017, Microcrystalline Wax and Petrolatum Tape Coating Systems for Steel Water Pipe and Fittings (supplement to ANSI/AWWA C217-2016)  
  PINS Date: Aug 5, 2016 | Public Review Date: Mar 10, 2017 | Final Action Date: Apr 17, 2017 | Approved

- ANSI/AWWA C218-2016, Liquid Coatings for Aboveground Steel Water Pipe and Fittings (revision of ANSI/AWWA C218-2008)  
  PINS Date: Apr 15, 2011 | Public Review Date: May 27, 2016 | Final Action Date: Jul 26, 2016 | Approved

- ANSI/AWWA C219-2017, Bolted, Sleeve-Type Couplings for Plain-End Pipe (revision of ANSI/AWWA C219-2011)  
  PINS Date: May 3, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 23, 2017 | Approved

- ANSI/AWWA C220-2017, Stainless-Steel Pipe - 1/2 In. (13 mm) and Larger (revision of ANSI/AWWA C220-2012)  
  PINS Date: May 3, 2013 | Public Review Date: Feb 24, 2017 | Final Action Date: Apr 20, 2017 | Approved

- ANSI/AWWA C221-2018, Fabricated Steel Mechanical Slip-Type Expansion Joints (revision of ANSI/AWWA C221-2012)  
  PINS Date: May 3, 2013 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Apr 15, 2011 | Public Review Date: Dec 1, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI/AWWA C223-2019, Fabricated Steel and Stainless-Steel Tapping Sleeves (revision of ANSI/AWWA C223-2013)  
  PINS Date: Jun 20, 2014 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: May 3, 2013 | Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/AWWA C225-2020, Fused Polyolefin Coatings for Steel Water Pipe (revision of ANSI/AWWA C225-2013)  
  PINS Date: Jan 29, 2016 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 6, 2020 | Approved

- ANSI/AWWA C226-2019, Stainless-Steel Fittings for Waterworks Service, Sizes 1/2 In. Through 72 In. (13 mm Through 1,800 mm) (revision of ANSI/AWWA C226-2013)  
  PINS Date: Sep 12, 2014 | Public Review Date: Sep 13, 2019 | Final Action Date: Nov 1, 2019 | Approved
AWWA (American Water Works Association)

  PINS Date: Nov 16, 2018 | Public Review Date: Jul 29, 2022 | Final Action Date: Sep 29, 2022 | Approved

- ANSI/AWWA C228-2018, Stainless-Steel Pipe Flange Joints for Water Service - Sizes 2 In. Through 72 In. (50 mm
  Through 1,800 mm) (revision of ANSI/AWWA C228-2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/AWWA C229-2020, Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings (revision of
  ANSI/AWWA C229-2014)
  PINS Date: Sep 30, 2016 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 20, 2020 | Approved

- ANSI/AWWA C230-2021, Stainless-Steel Full-Encirclement Repair and Service Connection Clamps for 2-In. Through
  12-In. (5-mm Through 300-mm) Pipe (revision of ANSI/AWWA C230-2016)
  PINS Date: Sep 1, 2017 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

- ANSI/AWWA C231-2017, Field Welding of Stainless Steel Water Pipe (new standard)
  PINS Date: May 25, 2007 | Public Review Date: May 5, 2017 | Final Action Date: Jun 29, 2017 | Approved

- ANSI/AWWA C232-2022, Viscoelastic Coatings for Steel Water Pipe and Fittings (new standard)
  PINS Date: Dec 6, 2013 | Public Review Date: Aug 5, 2022 | Final Action Date: Oct 7, 2022 | Approved

- ANSI/AWWA C300-2022, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type (revision of ANSI/AWWA C300
  -2016)
  PINS Date: Sep 1, 2017 | Public Review Date: Oct 15, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/AWWA C301-2014 (R2019), Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (reaffirmation of
  ANSI/AWWA C301-2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 30, 2019 | Approved

- ANSI/AWWA C302-2022, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302
  -2016)
  PINS Date: Sep 1, 2017 | Public Review Date: Oct 15, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/AWWA C303-2017, Concrete Pressure Pipe, Bar-Wrapped, Steel-Cylinder Type (revision of ANSI/AWWA C303
  -2008)
  PINS Date: Jul 23, 2010 | Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/AWWA C304-2014 (R2019), Design of Prestressed Concrete Cylinder Pipe (reaffirmation of ANSI/AWWA C304
  -2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 30, 2019 | Approved

- ANSI/AWWA C305-2018, CFRP Renewal and Strengthening of PCCP (new standard)
  PINS Date: Apr 22, 2011 | Public Review Date: Mar 9, 2018 | Final Action Date: Aug 23, 2018 | Approved

- ANSI/AWWA C500-2019, Metal-Seated Gate Valves for Water Supply Service (revision of ANSI/AWWA C500-2009)
  PINS Date: Sep 9, 2011 | Public Review Date: Dec 28, 2018 | Final Action Date: Feb 22, 2019 | Approved

  PINS Date: Jan 29, 2016 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 21, 2018 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 11, 2021 | Approved

  PINS Date: Sep 9, 2011 | Public Review Date: Mar 6, 2015 | Final Action Date: May 13, 2015 | Approved
AWWA (American Water Works Association)

- ANSI/AWWA C507-2018, Ball Valves, 6 In. Through 60 In. (150 mm Through 1,500 mm) (revision of ANSI/AWWA C507-2014)
  PINS Date: Sep 30, 2016 | Public Review Date: Nov 24, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Sep 9, 2011 | Public Review Date: Oct 21, 2016 | Final Action Date: Jan 3, 2017 | Approved

  PINS Date: Sep 9, 2011 | Public Review Date: May 22, 2015 | Final Action Date: Oct 30, 2015 | Approved

  PINS Date: Nov 16, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 18, 2021 | Approved

- ANSI/AWWA C511-2017 (R2021), Reduced-Pressure Principle Backflow Prevention Assembly (reaffirmation of ANSI/AWWA C511-2017)
  PINS Date: Nov 16, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 18, 2021 | Approved

  PINS Date: Apr 3, 2009 | Public Review Date: May 8, 2015 | Final Action Date: Jul 6, 2015 | Approved

- ANSI/AWWA C514-2015, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard)
  PINS Date: Dec 28, 2012 | Public Review Date: May 22, 2015 | Final Action Date: Jul 16, 2015 | Approved

- ANSI/AWWA C514-2020, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard)
  PINS Date: Sep 30, 2016 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 17, 2020 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Jul 3, 2020 | Final Action Date: Aug 20, 2020 | Approved

- ANSI/AWWA C516-2021, Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 (2000 mm) and Larger (revision of ANSI/AWWA C516-2015)
  PINS Date: Jan 29, 2016 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 24, 2021 | Approved

- ANSI/AWWA C517-2016 (R2021), Resilient-Seated Cast-Iron Eccentric Plug Valves (reaffirmation of ANSI/AWWA C517-2016)
  PINS Date: Sep 1, 2017 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 23, 2021 | Approved

  PINS Date: Sep 12, 2014 | Public Review Date: Aug 24, 2018 | Final Action Date: Oct 11, 2018 | Approved

- ANSI/AWWA C519-2018, High Performance Butterfly Valves, 3 In. (80 mm) Through 60 In. (1,500 mm) (new standard)
  PINS Date: Oct 15, 2010 | Public Review Date: Mar 23, 2018 | Final Action Date: May 18, 2018 | Approved

- ANSI/AWWA C520-2019, Knife Gate Valves, Sizes 2 In. (50 mm) Through 96 In. (2,400 mm) (revision of ANSI/AWWA C520-2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 1, 2019 | Approved
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<td>ANSI/AWWA C522-2022</td>
<td>Rotary Cone Valves, 6 In. Through 60 In. (150 mm – 1,500 mm)</td>
<td>(new standard)</td>
<td>Dec 1, 2017</td>
<td>Nov 28, 2022</td>
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<td>ANSI/AWWA C605-2021</td>
<td>Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings</td>
<td>(revision of ANSI/AWWA C605-2013)</td>
<td>Sep 12, 2014</td>
<td>Sep 18, 2020</td>
<td>Feb 5, 2021</td>
<td>Approved</td>
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Approved American National Standards

AWWA (American Water Works Association)

- 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))
  PINS Date: Nov 10, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved

- 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 C653-2020, 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 18, 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

  PINS Date: Sep 30, 2016 | Public Review Date: Jun 12, 2020 | Final Action Date: Aug 4, 2020 | Approved

- ANSI/AWWA C671-2021, Online Turbidimeter Operation and Maintenance (revision of ANSI/AWWA C671-2015)
  PINS Date: Sep 1, 2017 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

- ANSI/AWWA C700-2020, Cold-Water Meters – Displacement Type, Metal Alloy Main Case (revision of ANSI/AWWA C700-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Nov 29, 2019 | Final Action Date: Mar 24, 2020 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/AWWA C702-2019, Cold-Water Meters – Compound Type (revision of ANSI/AWWA C702-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/AWWA C703-2019, Cold-Water Meters – Fire-Service Type (revision of ANSI/AWWA C703-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | Approved
### Approved American National Standards

**AWWA (American Water Works Association)**

- ANSI/AWWA C707-2022, Encoder-Type Remote-Registration Systems for Cold-Water Meters *(revision of ANSI/AWWA C707-2010 (R2015))*, PINS Date: Sep 1, 2017 | Public Review Date: Jul 29, 2022 | Final Action Date: Oct 4, 2022 | **Approved**


- ANSI/AWWA C710-2020, Cold-Water Meters – Displacement Type, Plastic Main Case *(revision of ANSI/AWWA C710-2015)*, PINS Date: Sep 30, 2016 | Public Review Date: Nov 29, 2019 | Final Action Date: Mar 24, 2020 | **Approved**

- ANSI/AWWA C712-2019, Cold-Water Meters – Singlejet Type *(revision of ANSI/AWWA C712-2015)*, PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | **Approved**

- ANSI/AWWA C713-2019, Cold-Water Meters – Fluidic-Oscillator Type *(revision of ANSI/AWWA C713-2015)*, PINS Date: Sep 30, 2016 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 21, 2019 | **Approved**

- ANSI/AWWA C714-2019, Cold Water Meters for Residential Fire Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes *(revision of ANSI/AWWA C714-2013)*, PINS Date: Sep 12, 2014 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 7, 2019 | **Approved**

- ANSI/AWWA C715-2018 (R2022), Cold-Water Meters - Electromagnetic and Ultrasonic Type, for Revenue Applications *(reaffirmation of ANSI/AWWA C715-2018)*, PINS Date: Jul 19, 2019 | Public Review Date: Sep 30, 2022 | Final Action Date: Nov 17, 2022 | **Approved**

- ANSI/AWWA C750-2019, Transit-Time Flowmeters in Full Closed Conduits *(revision of ANSI/AWWA C750-2016)*, PINS Date: Sep 1, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | **Approved**

- ANSI/AWWA C751-2019, Magnetic Inductive Flowmeters *(revision of ANSI/AWWA C751-2015)*, PINS Date: Sep 1, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | **Approved**

- ANSI/AWWA C800-2021, Underground Service Line Valves and Fittings *(revision of ANSI/AWWA C800-2014)*, PINS Date: Jan 29, 2016 | Public Review Date: Apr 2, 2021 | Final Action Date: May 27, 2021 | **Approved**

- ANSI/AWWA C810-2017, Replacement and Flushing of Lead Service Lines *(new standard)*, PINS Date: Aug 14, 2015 | Public Review Date: May 19, 2017 | Final Action Date: Sep 1, 2017 | **Approved**

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

- 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**

- ANSI/AWWA C904-2022, Crosslinked Polyethylene (PEX) Pressure Tubing, In. Through 3 In., for Water Service *(revision of ANSI/AWWA C904-2015)*, 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**
AWWA (American Water Works Association)

  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: Dec 21, 2015 | Final Action Date: Jun 3, 2016 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/AWWA D110-2013 (R2018), Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks (reaffirmation of ANSI/AWWA D110-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Feb 23, 2018 | Final Action Date: May 2, 2018 | Approved

  PINS Date: Jul 9, 2019 | Public Review Date: Jan 22, 2020 | Final Action Date: Jul 19, 2019 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 3, 2019 | 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)
  PINS Date: May 3, 2013 | Public Review Date: May 24, 2019 | Final Action Date: Jul 19, 2019 | Approved

  PINS Date: Apr 15, 2011 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 23, 2017 | Approved
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Approved American National Standards

AWWA (American Water Works Association)

- ANSI/AWWA G481-2014 (R2020), Reclaimed Water Program Operation and Management (reaffirmation of ANSI/AWWA G481-2014)
PINS Date: Jan 29, 2016 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 3, 2020 | Approved

PINS Date: Jul 19, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 29, 2020 | Approved

- ANSI/AWWA G510-2021, Wastewater Treatment Plant Operation and Management (revision of ANSI/AWWA G510-2013)
PINS Date: Sep 12, 2014 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 11, 2021 | Approved

- ANSI/AWWA G520-2017, Wastewater Collection System Operation and Management (new standard)
PINS Date: Sep 24, 1999 | Public Review Date: Dec 30, 2016 | Final Action Date: Mar 2, 2017 | Approved

- ANSI/AWWA G560-2022, Stormwater Management for Water Utilities (new standard)
PINS Date: Aug 14, 2015 | Public Review Date: Oct 12, 2020 | Final Action Date: Dec 3, 2020 | Approved

PINS Date: Sep 12, 2014 | Public Review Date: Nov 12, 2020 | Final Action Date: Jan 7, 2022 | Approved

B11 (B11 Standards, Inc.)

- ANSI B11.0-2020, Safety of Machinery (revision of ANSI B11.0-2015)
PINS Date: Apr 7, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Dec 16, 2019 | Approved

PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.10-2003 (R2020), Safety Requirements for Metal Sawing Machines (reaffirmation of ANSI B11.10-2003 (R2015))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | Approved

  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))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved
| ANSI B11.2-2013 (R2020), Safety Requirements for Hydraulic and Pneumatic Power Presses  (reaffirmation of ANSI B11.2-2013)  
PINS Date: Aug 4, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved |
PINS Date: Aug 8, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 12, 2017 | Approved |
Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | Approved |
| ANSI B11.22-2001 (R2020), Safety Requirements for Turning Centers &Automatic Numerically Controlled Turning Machines  (reaffirmation of ANSI B11.22-2001 (R2012))  
PINS Date: Feb 18, 2011 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved |
| 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))  
PINS Date: Feb 18, 2011 | Public Review Date: Feb 28, 2020 | Final Action Date: May 7, 2020 | 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)  
PINS Date: Mar 3, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved |
| ANSI B11.4-2003 (R2020), Safety Requirements for Shears  (reaffirmation of ANSI B11.4-2003 (R2013))  
Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved |
| ANSI B11.5-1988 (R2020), Ironworkers - Safety Requirements for Construction, Care, and Use  (reaffirmation of ANSI B11.5-1988 (R2013))  
Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved |
| ANSI B11.6-2022, Safety Requirements for Manual Turning Machines (Lathes) with or without Automatic Control  (revision of ANSI B11.6-2001 (R2020))  
PINS Date: Feb 18, 2011 | Public Review Date: Jan 21, 2022 | Final Action Date: Mar 8, 2022 | Approved |
| ANSI B11.7-2020, Cold Headers and Cold Formers - Safety Requirements forConstruction, Care, and Use  (revision of ANSI B11.7-1995 (R2020))  
PINS Date: Apr 7, 2006 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 8, 2020 | Approved |
| ANSI B11.8-2021, Safety Requirements for Manual Milling, Drilling and Boring Machines with or without Automatic Control  (revision of ANSI B11.8-2001 (R2020))  
PINS Date: Feb 18, 2011 | Public Review Date: Jan 29, 2021 | Final Action Date: May 24, 2021 | Approved |
| ANSI B11.9-2010 (R2020), Safety Requirements for Grinding Machines  (reaffirmation of ANSI B11.9-2010 (R2015))  
PINS Date: Aug 23, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved |
| ANSI/B11.15-2022, Safety Requirements for Bar, Pipe, Tube, and Shape Bending Machines  (revision of ANSI B11.15 -2001 (R2020))  
PINS Date: Feb 18, 2011 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved |
Approved American National Standards

B11 (B11 Standards, Inc.)

  PINS Date: Feb 27, 2015 | Public Review Date: Jun 21, 2019 | Final Action Date: Oct 11, 2019 | Approved

- ANSI/B11.25-2022, Safety Requirements for Large Machines (revision of ANSI B11.25-2015)
  PINS Date: Feb 14, 2020 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 15, 2022 | Approved

- ANSI/B11.3-2022, Safety Requirements for Power Press Brakes (revision of ANSI B11.3-2012 (R2020))
  PINS Date: Nov 19, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 8, 2022 | Approved

  PINS Date: Nov 18, 2011 | Public Review Date: Dec 30, 2011 | Final Action Date: Mar 5, 2012 | Approved

BHOCE (Behavioral Health Center of Excellence)

  PINS Date: May 10, 2019 | Public Review Date: Jul 3, 2020 | Final Action Date: Nov 23, 2020 | Approved

- ANSI/BHOCE 201-2022, Standards of Excellence for Applied Behavior Analysis Services (new standard)
  PINS Date: May 17, 2019 | Public Review Date: May 27, 2022 | Final Action Date: Aug 10, 2022 | Approved

BHMA (Builders Hardware Manufacturers Association)

- ANSI/BHMA A156.1-2016, Butts and Hinges (revision of ANSI/BHMA A156.1-2013)
  PINS Date: Aug 21, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 15, 2016 | Approved

- ANSI/BHMA A156.1-2021, BHMA A156.1 Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/BHMA A156.10-2017, Power Operated Pedestrian Doors (revision of ANSI/BHMA A156.10-2011)
  PINS Date: Dec 26, 2014 | Public Review Date: Jun 2, 2017 | Final Action Date: Jul 21, 2017 | Approved

- ANSI/BHMA A156.11-2019, Standard for Cabinet Locks (revision of ANSI/BHMA A156.11-2014)
  PINS Date: Jan 5, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 6, 2019 | Approved

  PINS Date: Nov 19, 2021 | Public Review Date: Sep 9, 2022 | Final Action Date: Nov 15, 2022 | Approved

  PINS Date: Dec 18, 2020 | Public Review Date: Sep 9, 2022 | Final Action Date: Nov 15, 2022 | Approved

  PINS Date: Oct 14, 2016 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/BHMA A156.16-2013 (R2018), Standard for Auxiliary Hardware (reaffirmation of ANSI/BHMA A156.16-2013)
  PINS Date: Jun 22, 2018 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 5, 2018 | Approved
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
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<td>Sep 11, 2020</td>
<td>Nov 12, 2020</td>
<td>Approved</td>
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<td>Dec 18, 2020</td>
<td>Sep 9, 2022</td>
<td>Nov 15, 2022</td>
<td>Approved</td>
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<td>ANSI/BHMA A156.28-2013 (R2018), Recommended Practice for Mechanical Keying Systems</td>
<td>Jun 22, 2018</td>
<td>Aug 17, 2018</td>
<td>Oct 5, 2018</td>
<td>Approved</td>
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<td>ANSI/BHMA A156.3-2020, Standard For Exit Devices</td>
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<td>Sep 11, 2020</td>
<td>Nov 13, 2020</td>
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<td>Jan 5, 2018</td>
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Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

BHMA (Builders Hardware Manufacturers Association)

- ANSI/BHMA A156.32-2014, Integrated Door Opening Assemblies (revision of ANSI/BHMA A156.32-2008)
  PINS Date: Feb 1, 2013 | Public Review Date: Sep 5, 2014 | Final Action Date: Dec 15, 2014 | Approved

- ANSI/BHMA A156.33-2019, Standard For Internally Powered Architectural Hardware Devices (new standard)
  PINS Date: Oct 14, 2016 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/BHMA A156.34-2019, Standard for Bored Locks And Mortise Locks With Ligature Resistant Trim (revision of ANSI/BHMA A156.34-2016)
  PINS Date: Jan 5, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/BHMA A156.35-2020, Standard For Power Supplies For Electronic Access Control (new standard)
  PINS Date: Jun 22, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/BHMA A156.36-2020, Standard for Auxiliary Locks (revision of ANSI/BHMA A156.36-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/BHMA A156.38-2019, LOW ENERGY POWER OPERATED SLIDING AND FOLDING DOORS (revision of ANSI/BHMA A156.38-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Apr 1, 2020 | Approved

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

  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 13, 2020 | Approved

- ANSI/BHMA A156.41-2020, STANDARD FOR DOOR HARDWARE SINGLE MOTION TO EGRESS (revision of ANSI/BHMA A156.41-2017)
  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 4, 2020 | Approved

- ANSI/BHMA A156.44-2021, Standard For Hardware For Architectural Glass Openings (new standard)
  PINS Date: Dec 18, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/BHMA A156.5-2020, Standard for Cylinders and Input Devices (revision of ANSI/BHMA A156.5-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 1, 2020 | Approved

- ANSI/BHMA A156.6-2021, Standard For Architectural Door Trim (revision of ANSI/BHMA A156.6-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved

- ANSI/BHMA A156.7-2021, Standard for Template Hinge Dimensions (revision of ANSI/BHMA A156.7-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 6, 2021 | Final Action Date: Jan 26, 2022 | Approved

- ANSI/BHMA A156.8-2021, Door Controls - Overhead Stops And Holders (revision of ANSI/BHMA A156.8-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/BHMA A156.9-2020, Standard For Cabinet Hardware (revision of ANSI/BHMA A156.9-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved
BICSI (Building Industry Consulting Service International)

  PINS Date: Apr 2, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Jan 31, 2022 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 8, 2019 | Approved

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  PINS Date: Oct 16, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Dec 4, 2017 | Approved

- ANSI/BICSI N1-2019, Installation Practices for Telecommunications and ICT Cabling and Related Cabling Infrastructure (new standard)
  PINS Date: May 26, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Dec 6, 2018 | Approved

- ANSI/BICSI N2-2017, Practices For The Installation of Telecommunications and ICT Cabling Intended to Support Remote Power Applications (new standard)
  PINS Date: May 26, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Oct 11, 2017 | Approved

- 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)

- ANSI/BIFMA e3-2019 (i23r2), Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014)
  Public Review Date: Apr 27, 2018 | Final Action Date: Apr 3, 2019 | Approved

  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
## BIFMA (Business and Institutional Furniture Manufacturers Association)

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<td>Public and Lounge Seating (revision of ANSI/BIFMA X5.4-2012)</td>
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<td>Feb 14, 2020</td>
<td>May 14, 2020</td>
<td>Approved</td>
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<td>Desk and Table Products (revision of ANSI/BIFMA X5.5-2014)</td>
<td>Sep 7, 2020</td>
<td>Nov 27, 2020</td>
<td>Feb 8, 2021</td>
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<td>Home Office and Occasional-Use Desk, Table and Storage Products (revision and redesignation of ANSI/BIFMA/SOHO S6.5-2008 (R2013))</td>
<td>Sep 7, 2018</td>
<td>Feb 18, 2022</td>
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## BOMA (Building Owners and Managers Association)

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CEMA (Conveyor Equipment Manufacturers Association)

  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: 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 17, 2020 | Approved

CGA (Compressed Gas Association)

- ANSI CGA G-2.1-2014, Standard Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1) (new standard)
  PINS Date: Jan 9, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 12, 2014 | Approved

  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)

- 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
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<td>Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2016)</td>
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### CRSI (Concrete Reinforcing Steel Institute)

  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.)

- 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

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  PINS Date: Jul 6, 2018 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 3, 2019 | Approved

- ANSI Z21.11.3-2016 (R2021), Gas-fired room heaters, volume III, propane-fired portable emergency use heater systems, same as Z21.11.3  (reaffirmation of ANSI Z21.11.3-2016)  
  Public Review Date: Aug 13, 2021 | Final Action Date: Sep 28, 2021 | Approved

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<tr>
<td>ANSI Z21.15-2021</td>
<td>Manually Operated Gas Valves for Appliances, Appliance Connector Valves, and Hose End Valves, same as CSA 9.1</td>
<td>Approved Oct 19, 2021</td>
</tr>
<tr>
<td>ANSI Z21.18-2019</td>
<td>Gas Appliance Pressure Regulators</td>
<td>Approved Apr 4, 2019</td>
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<tr>
<td>ANSI Z21.1a-2021/CSA 1.1a-2021</td>
<td>Household cooking gas appliances</td>
<td>Approved Apr 9, 2019</td>
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<td>ANSI Z21.22-2015 (R2020)</td>
<td>Relief valves for hot water supply systems</td>
<td>Approved May 8, 2020</td>
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<td>ANSI Z21.23-2021, Gas Appliance Thermostats</td>
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<td>ANSI Z21.24-2022, Connectors for gas appliances</td>
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Approved American National Standards

CSA (CSA America Standards Inc.)

  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 Z21.5.1-2022, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers (same as CSA 1.1) (revision of ANSI Z21.5.1-2017)
  PINS Date: May 6, 2022 | Public Review Date: Sep 23, 2022 | Final Action Date: Nov 8, 2022 | 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

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ANSI Z21.75-2016 (R2020), Connectors for outdoor gas appliances and manufactured homes, same as Z21.75 (reaffirmation of ANSI Z21.75-2016)
Public Review Date: Jul 24, 2020 | Final Action Date: Nov 19, 2020 | Approved

ANSI Z21.76-2016 (R2021), Gas-fired unvented catalytic room heaters for use with propane gas, same as Z21.76 (reaffirmation of ANSI Z21.76-2016)
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ANSI Z21.86-2016 (R2021), Vented gas-fired space heating appliances, same as CSA 2.32 (reaffirmation of ANSI Z21.86-2016)
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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)
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ANSI Z21.87-2007 (R2021) and ANS Z21.87a-2010 (R2021), Automatic gas shutoff devices for hot water supply systems, same as CSA 4.6 (reaffirmation of ANSI Z21.87-2007 (R2017) and ANS Z21.87a-2010 (R2017))
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<table>
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<th>Standard Numbers and Titles</th>
<th>Date of Approval</th>
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<tr>
<td>ANSI Z21.91-2019, Ventless Firebox Enclosures For Gas-Fired Unvented Gas Log Type Room Heaters (revision of ANSI Z21.91-2001 (R2005))</td>
<td>Approved</td>
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<tr>
<td>ANSI Z21.96-2019, Portable water heaters for outdoor use, same as CSA 11.6 (revision of ANSI Z21.96-2014)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI Z21.96a-2021, Portable Water Heaters for Outdoor Use, same as CSA 11.6a (addenda to ANSI Z21.96-2019)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI Z83.11-2016/CSA 1.8-2016 (R2021), Gas Food Service Equipment, same as CSA 1.8 (reaffirmation of ANSI Z83.11-2016/CSA 1.8-2016)</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications, same as Z83.18 (reaffirmation of ANSI Z83.18-2016)</td>
<td>Approved</td>
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<tr>
<td>Standard</td>
<td>Title</td>
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<tr>
<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>
</tr>
<tr>
<td>ANSI Z83.21-2019, Z83.21</td>
<td>Commercial Dishwashers, same as Z83.21</td>
</tr>
<tr>
<td>ANSI Z83.25 (CSA3.19)-2016 (R2021)</td>
<td>Direct gas-fired process air heaters, same as CSA 3.19</td>
</tr>
<tr>
<td>ANSI Z83.26-2014</td>
<td>Standard for Gas-Fired Outdoor Infrared Patio Heaters (same as CSA 2.37)</td>
</tr>
<tr>
<td>ANSI Z83.26-2020/CSA 2.37-2020</td>
<td>Gas-Fired Outdoor Infrared Patio Heaters, Same as CSA 2.37</td>
</tr>
<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>
</tr>
<tr>
<td>ANSI Z83.7-2017</td>
<td>Gas-Fired Construction Heaters, same as CSA 2.14</td>
</tr>
<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>
</tr>
<tr>
<td>ANSI/CHMC 2-2019</td>
<td>Test methods for evaluating material compatibility in compressed hydrogen applications - Polymers.</td>
</tr>
<tr>
<td>ANSI/CSA 13.1-2021</td>
<td>Combined heat and power appliances</td>
</tr>
<tr>
<td>ANSI/CSA B149.6-2019</td>
<td>Code for digester gas, landfill gas, and biogas generation and utilization</td>
</tr>
<tr>
<td>ANSI/CSA B22734-2022</td>
<td>Hydrogen generators using water electrolysis - Industrial, commercial, and residential applications</td>
</tr>
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### Approved American National Standards

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<th>Public Review Date</th>
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<tr>
<td>ANSI/CSA C22.2 No. 298-2021, High Voltage Couplers (new standard)</td>
<td></td>
<td>Mar 1, 2019</td>
<td>Apr 9, 2021</td>
<td>Jul 26, 2021</td>
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## Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

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<th>(revision of ANSI/CSA HGV 2-2014 (R2019))</th>
<th>PINS Date: Aug 30, 2019</th>
<th>Public Review Date: Oct 23, 2020</th>
<th>Final Action Date: Jan 8, 2021</th>
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<td>ANSI/CSA HGV 3.1-2022, Fuel system components for compressed hydrogen gas powered vehicles</td>
<td>(revision of ANSI/CSA HGV 3.1-2014 (R2019))</td>
<td>PINS Date: May 21, 2021</td>
<td>Public Review Date: Jul 8, 2022</td>
<td>Final Action Date: Sep 20, 2022</td>
<td>Approved</td>
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<tr>
<td>ANSI/CSA HGV 4.2-2022, Hoses for dispensing compressed gaseous hydrogen</td>
<td>(revision of ANSI/CSA HGV 4.2-2013 (R2019))</td>
<td>PINS Date: Dec 4, 2020</td>
<td>Public Review Date: Nov 26, 2021</td>
<td>Final Action Date: Feb 11, 2022</td>
<td>Approved</td>
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<tr>
<td>ANSI/CSA HGV 4.3-2022, Test methods for hydrogen fueling parameter evaluation</td>
<td>(revision of ANSI/CSA HGV 4.3 -2019)</td>
<td>PINS Date: Dec 4, 2020</td>
<td>Public Review Date: Apr 23, 2021</td>
<td>Final Action Date: Jan 6, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA HGV 4.4-2013 (R2018), Standard for breakaway devices for compressed hydrogen dispensing hoses and systems</td>
<td>(reaffirmation of ANSI/CSA HGV 4.4-2013)</td>
<td>Public Review Date: Mar 2, 2018</td>
<td>Final Action Date: Apr 25, 2018</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>ANSI/CSA HGV 4.4-2021, Gaseous hydrogen - Fuelling stations: Valves</td>
<td>(national adoption with modifications of ISO 19880-3:2018)</td>
<td>PINS Date: Jun 26, 2020</td>
<td>Public Review Date: Feb 26, 2021</td>
<td>Final Action Date: Apr 29, 2021</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/CSA HGV 4.6-2013 (R2018), Manually operated valves for use in gaseous hydrogen vehicle fueling stations</td>
<td>(reaffirmation of ANSI/CSA HGV 4.6-2013)</td>
<td>Public Review Date: Mar 2, 2018</td>
<td>Final Action Date: Apr 25, 2018</td>
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<tr>
<td>ANSI/CSA HGV 4.8-2012 (R2018), Hydrogen gas vehicle fueling station compressor guidelines</td>
<td>(reaffirmation of ANSI/CSA HGV 4.8-2012)</td>
<td>Public Review Date: May 18, 2018</td>
<td>Final Action Date: Sep 20, 2018</td>
<td>Approved</td>
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<tr>
<td>ANSI/CSA HGV 4.9-2020, Hydrogen Fueling Stations</td>
<td>(new standard)</td>
<td>PINS Date: Nov 23, 2018</td>
<td>Public Review Date: Oct 4, 2019</td>
<td>Final Action Date: Jan 27, 2020</td>
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<tr>
<td>ANSI/CSA HPRD 1-2021, Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers</td>
<td>(revision of ANSI/CSA HPRD 1-2013 (R2018))</td>
<td>PINS Date: Feb 28, 2020</td>
<td>Public Review Date: Jan 22, 2021</td>
<td>Final Action Date: Mar 16, 2021</td>
<td>Approved</td>
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<td>ANSI/CSA LC 4/CSA 6.32-2022, Press-Connect Metallic Fittings For Use In Fuel Gas Distribution Systems</td>
<td>(revision of ANSI/CSA LC 4-2012 (R2021), CSA 6.32-2012 (R2021) and LC4a-2013 (R2021), CSA 6.32a-2013 (R2021))</td>
<td>PINS Date: Aug 6, 2021</td>
<td>Public Review Date: Dec 10, 2021</td>
<td>Final Action Date: Jan 27, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA LC 6-2008 (R2018), Natural Gas Diaphragm Pumps</td>
<td>(reaffirmation of ANSI/CSA LC 6-2008 (R2013))</td>
<td>Public Review Date: Jan 26, 2018</td>
<td>Final Action Date: Dec 7, 2018</td>
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<td>ANSI/CSA LNG 3.20-2020</td>
<td>LNG Fuel System Components-Part 20 flexible fuel or vent lines (new standard)</td>
<td>2020</td>
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<td>ANSI/CSA LNG 3.3-2022</td>
<td>Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 3: Check valve (revision of ANSI/CSA LNG 3.3-2018)</td>
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<td>ANSI/CSA LNG 3.5-2022</td>
<td>Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 5: Tank pressure gauge</td>
<td>Oct 1, 2021</td>
<td>Apr 8, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA LNG 3.7-2022</td>
<td>Road Vehicles - Liquefied natural gas (LNG) fuel system components - Part 7: Pressure relief valve</td>
<td>Oct 1, 2021</td>
<td>Apr 8, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA LNG 3.8-2022</td>
<td>Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve</td>
<td>Oct 1, 2021</td>
<td>Apr 8, 2022</td>
<td>Approved</td>
<td></td>
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<td>ANSI/CSA LNG 4.2-2020/CSA LNG 4.2-2020</td>
<td>Hose and hose assemblies for natural gas dispensing systems for natural gas vehicles (NGV)</td>
<td>Apr 5, 2019</td>
<td>Sep 6, 2019</td>
<td>Approved</td>
<td></td>
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<td>ANSI/CSA NGV 4.1/CSA 12.5-2018 (R2022)</td>
<td>Natural gas vehicle (NGV) dispensing systems</td>
<td>May 6, 2022</td>
<td>Jul 11, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA NGV 4.2-2022</td>
<td>Hose and hose assemblies for natural gas dispensing systems</td>
<td>Feb 5, 2021</td>
<td>Mar 18, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA NGV 4.3-2022</td>
<td>Temperature compensation for compressed natural gas vehicle fueling</td>
<td>Mar 4, 2022</td>
<td>Apr 15, 2022</td>
<td>Approved</td>
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<td>ANSI/CSA NGV 4.4-2021</td>
<td>Breakaway devices for natural gas dispensing hoses and systems</td>
<td>Nov 1, 2019</td>
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CSA (CSA America Standards Inc.)

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- ANSI/CSA NGV 4.7-2020, Automatically pressure operated valves for natural gas dispensing systems (new standard)
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- ANSI/CSA NGV 5.1-2016 (R2020), Residential Fueling Appliances (reaffirmation of ANSI/CSA NGV 5.1-2016)
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- ANSI/CSA PRD 1-2021, Pressure relief devices for natural gas vehicle (NGV) fuel containers (addenda to ANSI/PRD 1-2020)
  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)
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### 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 with modifications of ISO 23550)
  - PINS Date: Aug 6, 2021 | Public Review Date: Feb 18, 2022 | Final Action Date: May 31, 2022 | Approved

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- 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

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- ANSI/NGV 4.6a-2021, Manually operated valves for natural gas dispensing systems (addenda to ANSI/CSA NGV 4.6-2020)
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- ANSI/PRD 1-2020, Pressure relief devices for natural gas vehicle (NGV) fuel containers (revision of ANSI/PRD 1-2013 (R2018))
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- 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
CTA (Consumer Technology Association)

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- ANSI/CTA 2028-B-2014 (R2019), Color Codes for Outdoor TV Receiving Antennas (reaffirmation of ANSI/CTA 2028-B-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 26, 2019 | Approved

- ANSI/CTA 2028-C-2022, Color Codes for Outdoor TV Receiving Antennas (revision and redesignation of ANSI/CTA 2028-B R-2019)
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- ANSI/CTA 2032-B-2014 (R2019), Indoor TV Receiving Antenna Performance Standard (reaffirmation of ANSI/CTA 2032-B-2014)
  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

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- ANSI/CTA 2037-D-2022, Determination of Television Set Power Consumption (revision and redesignation of ANSI/CTA 2037-C-2021)
  PINS Date: Dec 31, 2021 | Public Review Date: Aug 19, 2022 | Final Action Date: Oct 14, 2022 | 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

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  PINS Date: Apr 6, 2018 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 26, 2019 | Approved
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<tr>
<td>ANSI/CTA 2045-B-2021</td>
<td>Modular Communications Interface for Energy Management</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2045.1-2014 (R2021)</td>
<td>Modular Communications Interface for Firmware Transfer Message Set</td>
<td>Approved</td>
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<td>ANSI/CTA 2045.2 Amd 1-2018</td>
<td>MCI for Generic Display Message Set</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2045.2-A-2022</td>
<td>Modular Communications Interface for Generic Display Message Set</td>
<td>Approved</td>
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<td>ANSI/CTA 2045.3-2014 (R2021)</td>
<td>Modular Communications Interface for Thermostat Message Set</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2047-2014</td>
<td>CE Energy Usage Information (CE-EUI)</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2048-A-2020</td>
<td>Host and Router Profiles for IPv6</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2049-A-2020</td>
<td>Determination of Small Network Equipment Average Energy Consumption</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2051-A-2022</td>
<td>Wearable Sound Amplifier Performance Criteria</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/CTA 2052.1-2016</td>
<td>Glossary of Terms for Sleep Wearable Devices</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/CTA 2056-2018</td>
<td>Physical Activity Monitoring for Fitness Wearables Step Counting</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2060-2017</td>
<td>Interoperability Standards Series for Consumer EEG Data - File Storage</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2065-2018</td>
<td>Physical Activity Monitoring for Heart Rate</td>
<td>Approved</td>
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<tr>
<td>ANSI/CTA 2068-2020</td>
<td>Definitions and Characteristics of Consumer Stress Monitoring Technologies</td>
<td>Approved</td>
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Approved American National Standards

CTA (Consumer Technology Association)

PINS Date: Jun 12, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 23, 2021 | Approved

- ANSI/CTA 2074-2020, Intensity Metrics: Physical Activity Monitoring (new standard)
PINS Date: Nov 24, 2017 | Public Review Date: Jan 17, 2020 | Final Action Date: Mar 31, 2020 | Approved

- ANSI/CTA 2075-2020, Loudness Standard for Over the Top Television (OTT) and Online Video Distribution (OVD) for Mobile and Fixed Devices (new standard)
PINS Date: Feb 16, 2018 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 31, 2020 | Approved

PINS Date: Aug 13, 2021 | Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

PINS Date: Jan 5, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 14, 2019 | Approved

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- ANSI/CTA 2077-2020, Recommendations for Portable Power Charging Markings (new standard)
PINS Date: Jan 5, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 25, 2020 | Approved

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- ANSI/CTA 2085-2019, Definitions and Characteristics for VR Video and VR Images (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Nov 11, 2019 | Approved

- ANSI/CTA 2087-2019, Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 9, 2019 | Approved

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PINS Date: Oct 18, 2019 | Public Review Date: May 6, 2022 | Final Action Date: Jun 24, 2022 | Approved

- ANSI/CTA 2089-2020, Definitions and Characteristics of Artificial Intelligence (new standard)
PINS Date: Mar 8, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 21, 2020 | Approved

- ANSI/CTA 2089.1-2020, Definitions/Characteristics of AI in Health Care (new standard)
PINS Date: Apr 26, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 21, 2020 | Approved

- ANSI/CTA 2090-2021, The Use of Artificial Intelligence in Health Care: Trustworthiness (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Nov 20, 2020 | Final Action Date: Feb 4, 2021 | Approved
<table>
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<tr>
<th>Standard Number</th>
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<tr>
<td>ANSI/CTA 2092-2021</td>
<td>Performance Requirements for Sleep Monitoring Solutions detecting snoring (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2093-2021</td>
<td>Health, Fitness and Wellness Data: Time, Location, and Source Reporting Format (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2096-2021</td>
<td>Guidelines for Developing Trustworthy Artificial Intelligence Systems (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2098-2021</td>
<td>Definitions &amp; Characteristics of Digital Therapeutics (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2099-2022</td>
<td>Standard Method of Measurement for Matching In-Home Amplifiers and Loudspeakers (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2105-2022</td>
<td>Reporting/Validation Framework for Cardiovascular Technology Solutions (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2107-2022</td>
<td>The Use of Artificial Intelligence in Health Care: Managing, Characterizing, and Safeguarding Data (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 2108-2022</td>
<td>Framework for Validation of Digital Health Technology-Derived Metrics under Naturalistic or Unconstrained Test Conditions (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 709.10-2021</td>
<td>Web Services for Control Networking Protocol Specification (new standard)</td>
</tr>
<tr>
<td>ANSI/CTA 709.4-2013 (R2019)</td>
<td>Fiber-Optic Channel Specification (reaffirmation of ANSI/CTA 709.4-2013)</td>
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## ANSI/CTA 762-B-2008 (S2020), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))
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## 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)
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## ANSI/CTA 803-C-2014 (R2019), Mobile Electronics Wiring Designations for Audio and Vehicle Security/Convenience (revision and redesignation of ANSI/CTA 803-B-2012 (R2017))
PINS Date: Feb 25, 2022 | Public Review Date: Sep 16, 2022 | Final Action Date: Nov 3, 2022 | Approved

## ANSI/CTA 805-E-2013 (R2019), Data Services on the Component Video Interfaces (reaffirmation and redesignation of ANSI/CTA 805-E-2013)
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## ANSI/CTA 852-C-2014 (R2019), Tunneling Device Area Network Protocols Over Internet Protocol Channels (reaffirmation of ANSI/CTA 852-C-2014)
PINS Date: Mar 8, 2019 | Public Review Date: May 3, 2019 | Final Action Date: Dec 4, 2019 | Approved

## 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
## CTA (Consumer Technology Association)

- **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**

  - PINS Date: Apr 28, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Jan 17, 2018 | **Approved**

- **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**

- **ANSI/CTA/NSF-2052.1-A-2022, Definitions and Characteristics for Wearable Sleep Monitors** (revision and redesignation of ANSI/CTA/NSF-2052.1)
  - PINS Date: Oct 15, 2021 | Public Review Date: Jul 8, 2022 | Final Action Date: Sep 9, 2022 | **Approved**

## DASMA (Door and Access Systems Manufacturers Association)

  - 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**

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  - PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Dec 4, 2017 | **Approved**

  - PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Nov 21, 2017 | **Approved**

  - PINS Date: Mar 7, 2008 | Public Review Date: Oct 31, 2008 | Final Action Date: May 19, 2011 | **Approved**
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<th>Standards</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<tbody>
<tr>
<td>DSI (Dental Standards Institute, Inc.)</td>
<td>ANSI/DSI DCNST1.1-2020, DSI DCNST1.1:20XX Verification and Displaying of Dental Patient Chart Notes (DCN) (new standard)</td>
<td>Sep 18, 2020</td>
<td>Nov 27, 2020</td>
<td>Mar 8, 2021</td>
<td>Approved</td>
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<td>Standard Number</td>
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<td>ANSI/EIA 166-A-2019</td>
<td>Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284)</td>
<td>Feb 5, 2019</td>
<td></td>
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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>
<td>Aug 18, 2022</td>
<td></td>
<td></td>
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<tr>
<td>ANSI/EIA 198-3-6-F-2019</td>
<td>Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types</td>
<td>Feb 5, 2019</td>
<td></td>
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<tr>
<td>ANSI/EIA 198-3-9-F-2019</td>
<td>High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount</td>
<td>Jul 31, 2019</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ANSI/EIA 200-B-2018</td>
<td>Circular Waveguides and Flanges</td>
<td>Apr 24, 2018</td>
<td></td>
<td></td>
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<tr>
<td>ANSI/EIA 225-A-2019</td>
<td>Rigid coaxial transmission lines 50 OHMs</td>
<td>Apr 5, 2018</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ANSI/EIA 261-C-2018</td>
<td>Rectangular Waveguides (WR2 to WR2300)</td>
<td>Jan 24, 2018</td>
<td></td>
<td></td>
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<td>ANSI/EIA 271-B-2019</td>
<td>Waveguide flanges - pressurizeable contact types for waveguide sizes WR90 to WR2300</td>
<td>Feb 5, 2019</td>
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<td>ANSI/EIA 285-A-2019</td>
<td>Waveguide Flanges - Dual Contact Pressurizeable and Miniature Type for Waveguide Sizes WR90 to WR975</td>
<td>Feb 5, 2019</td>
<td></td>
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<td>ANSI/EIA 304-A-2019</td>
<td>Rigid Waveguides</td>
<td>Feb 5, 2019</td>
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ECIA (Electronic Components Industry Association)

  Public Review Date: Jul 24, 2020 | Final Action Date: Oct 15, 2020 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI/EIA 364-06C-2006 (R2017), Contact Resistance Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-06C-2006 (R2012))
  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

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  PINS Date: Aug 4, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Jan 17, 2018 | Approved

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- ANSI/EIA 364-121-2020, Coupling Thread Strength Test Procedure for Electrical Connector Accessories (new standard)
  PINS Date: Nov 15, 2019 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 23, 2020 | Approved

- ANSI/EIA 364-122-2022, Safety Holes Test Procedure for Electrical Connectors (new standard)
  PINS Date: Feb 19, 2021 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 23, 2020 | Approved

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  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

- ANSI/EIA 364-15D-2022, Contact Strength Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-15C-2016)
  PINS Date: Dec 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 18, 2022 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-17C-2011 (R2017), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

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  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

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  Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

  PINS Date: Aug 9, 2019 | Public Review Date: Dec 3, 2021 | Final Action Date: Jun 6, 2022 | Approved

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  PINS Date: Sep 2, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Mar 28, 2017 | Approved

- ANSI/EIA 364-26-C-2014 (R2019), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved

  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved

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- ANSI/EIA 364-34A-2022, Ambient Condensation Test Procedure for Electrical Connectors and Sockets (revision and redesignation of ANSI/EIA 364-34-2012 (R2017))
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ECIA (Electronic Components Industry Association)

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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))
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  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)
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  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

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<td>ANSI/EIA 364-50B-2012 (R2019)</td>
<td>Dust (Fine Sand) Test Procedure for Electrical Connectors</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/EIA 364-51B-2019</td>
<td>Ice Resistance of Mated Connectors</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/EIA 364-53B-2020 (R2021)</td>
<td>Nitric Acid Vapor Test, Gold Finish Test Procedure for Electrical Connectors</td>
<td>Approved</td>
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<tr>
<td>ANSI/EIA 364-55B-2020</td>
<td>Current Cycling Test Procedure for Electrical Contacts, Connectors, and Sockets</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/EIA 364-58A-2003 (R2021)</td>
<td>Temperature Life with Mechanical Loading for Connectors with Removable Contacts (Static Mechanical Load at Temperature) Test Procedure for Electrical Connectors</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/EIA 364-60B-2020</td>
<td>General Methods for Porosity Testing of Contact Finishes for Electrical Connectors and Sockets</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/EIA 364-62A-2004 (R2022)</td>
<td>Terminal Strength Test Procedure for Electrical Connectors and Sockets</td>
<td>Approved</td>
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  PINS Date: Dec 4, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: May 13, 2021 | Approved

- ANSI/EIA 364-71C-2008 (R2020), Solder Wicking (Wave Solder Technique) for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-71C-2008 (R2014))
  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

  PINS Date: Apr 10, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI/EIA 364-78C-2018, Cavity Leakage Bonding Integrity Test Procedure for Electrical Connectors (revision and redesignation of ANSI/EIA 364-78B-2010)
  PINS Date: Sep 16, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Jan 24, 2018 | Approved

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<tr>
<td>ANSI/EIA 364-86B-2020, Polarizing/Coding Key Overstress Test Procedure for Electrical Connectors and Sockets  (revision and redesignation of ANSI/EIA 364-86A-2014)</td>
<td>PINS Date: Nov 8, 2019</td>
<td>Public Review Date: Jan 3, 2020</td>
<td>Final Action Date: Apr 2, 2020</td>
</tr>
<tr>
<td>ANSI/EIA 364-91B-2016 (R2022), Dust Test Procedure for Electrical Connectors and Sockets  (reaffirmation of ANSI/EIA 364-91B-2016)</td>
<td>PINS Date: Dec 3, 2021</td>
<td>Public Review Date: Apr 8, 2022</td>
<td>Final Action Date: Jun 6, 2022</td>
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<td>ANSI/EIA 481-F-2021</td>
<td>4 mm Through 200 mm Embossed Carrier Taping and 8 mm &amp; 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling</td>
<td>Aug 2021</td>
<td>Feb 8, 2019</td>
</tr>
<tr>
<td>ANSI/EIA 576-B-2014</td>
<td>Resistors, Rectangular, Surface Mount Precision</td>
<td>May 2014</td>
<td>May 17, 2013</td>
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ECIA (Electronic Components Industry Association)

PINS Date: Jan 20, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 5, 2017 | Approved

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  PINS Date: Sep 30, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Jun 30, 2017 | Approved

- ANSI/EIA 60384-4-2017 (R2022), Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO2) and non-solid electrolyte (reaffirmation of ANSI/EIA 60384-4-2017)
  Public Review Date: Jun 17, 2022 | Final Action Date: Oct 28, 2022 | Approved

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  PINS Date: Jan 20, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 5, 2017 | Approved

- 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

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- ANSI/EIA 60104-2017, 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 60125-2017, Fault tree analysis (FTA) (identical national adoption of IEC 61025:2006 Ed.2.0)
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- 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

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- ANSI/EIA 62506-2017, Methods for product accelerated testing (identical national adoption of IEC 62506:2013 Ed.1.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved
ECIA (Electronic Components Industry Association)

- ANSI/EIA 703-B-2020, General Resistor Stress Test Qualification Specification (new standard)
PINS Date: Jun 7, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 20, 2020 | Approved

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

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- ANSI/EIA 797-2014 (R2020), Aluminum-Electrolytic Capacitor Application Guideline (reaffirmation of ANSI/EIA 797-2014)
Public Review Date: May 22, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/EIA 886-B-2020, Resistors, Thick Film Array on Ceramic (revision and redesignation of ANSI/EIA 886-A-2014)
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- ANSI/EIA 948-2004 (R2017), Component Tray for Automated Handling (reaffirmation of ANSI/EIA 948-2004 (R2011))
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- ANSI/EIA 971-2014 (R2019), 4 mm Embossed Carrier Taping of Micro-Sized Surface Mount Components for Automatic Handling (reaffirmation of ANSI/EIA 971-2014)
Public Review Date: Jul 26, 2019 | Final Action Date: Oct 24, 2019 | Approved

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- ANSI/EIA/ECA 747B-2014, Adhesive Backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0mm thick (new standard)
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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Approved American National Standards

EOS/ESD (ESD Association, Inc.)

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  PINS Date: Dec 3, 2010 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

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

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- 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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- 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)
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## EOS/ESD (ESD Association, Inc.)

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<th>Date of Approval</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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## ESTA (Entertainment Services and Technology Association)

<table>
<thead>
<tr>
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<th>Title</th>
<th>Date of Approval</th>
<th>PINS Date</th>
<th>Public Review Date</th>
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ESTA (Entertainment Services and Technology Association)

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- ANSI E1.24-2012 (R2021), Entertainment Technology—Dimensional Requirements for Stage Pin Connectors (reaffirmation of ANSI E1.24-2012 (R2017))
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI E1.25-2012 (R2017), Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface (reaffirmation of ANSI E1.25-2012)
  Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

  Public Review Date: Feb 4, 2022 | Final Action Date: May 5, 2022 | Approved

- ANSI E1.27-1-2006 (R2021), Entertainment Technology—Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-1-2006 (R2016))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | Approved

  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, 2019 | Final Action Date: May 5, 2021 | Approved

  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

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<th>ANSI Standard</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANSI E1.30-4-2010 (R2021)</td>
<td>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))</td>
<td>May 27, 2021</td>
<td>Approved</td>
<td></td>
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<tr>
<td>ANSI E1.36-2007 (R2022)</td>
<td>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))</td>
<td>Feb 4, 2022</td>
<td>May 2, 2022</td>
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<tr>
<td>ANSI E1.4-1-2022</td>
<td>Manual Counterweight Rigging Systems (revision of ANSI E1.4-1-2016)</td>
<td>PINS Date: Apr 30, 2021</td>
<td>Public Review Date: Feb 4, 2022</td>
<td>Final Action Date: Oct 27, 2022</td>
</tr>
<tr>
<td>ANSI E1.4-2-2021</td>
<td>Entertainment Technology – Statically Suspended Rigging Systems (new standard)</td>
<td>PINS Date: Apr 30, 2021</td>
<td>Public Review Date: Feb 4, 2022</td>
<td>Final Action Date: Oct 27, 2022</td>
</tr>
<tr>
<td>ANSI E1.4-3-2020</td>
<td>Entertainment Technology—Manually Operated Hoist Rigging Systems (revision and partition of ANSI E1.4-2014)</td>
<td>PINS Date: Apr 30, 2021</td>
<td>Public Review Date: Feb 4, 2022</td>
<td>Final Action Date: Oct 27, 2022</td>
</tr>
<tr>
<td>ANSI E1.40-2016 (R2021)</td>
<td>Recommendations for the Planning of Theatrical Dust Effects (reaffirmation of ANSI E1.40-2016)</td>
<td>Public Review Date: May 7, 2021</td>
<td>Final Action Date: Sep 9, 2021</td>
<td>Approved</td>
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<td>ANSI E1.41-2016</td>
<td>Recommendations for the Measurement of Entertainment Luminaires Utilizing Solid State Light Sources (revision of ANSI E1.41-2012)</td>
<td>PINS Date: Apr 1, 2016</td>
<td>Public Review Date: May 13, 2016</td>
<td>Final Action Date: Sep 16, 2016</td>
</tr>
<tr>
<td>ANSI E1.43-2016</td>
<td>Entertainment Technology - Performer Flying Systems (new standard)</td>
<td>PINS Date: Apr 1, 2011</td>
<td>Public Review Date: Aug 14, 2015</td>
<td>Final Action Date: Feb 12, 2016</td>
</tr>
<tr>
<td>ANSI E1.46-2018</td>
<td>Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (revision of ANSI E1.46-2016)</td>
<td>PINS Date: Mar 31, 2017</td>
<td>Public Review Date: Jan 26, 2018</td>
<td>Final Action Date: Jul 13, 2018</td>
</tr>
<tr>
<td>ANSI E1.48-2014 (R2019)</td>
<td>A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (reaffirmation of ANSI E1.48-2014)</td>
<td>Public Review Date: Nov 2, 2018</td>
<td>Final Action Date: Feb 1, 2019</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI E1.5-2009 (R2018)</td>
<td>Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2009 (R2014))</td>
<td>Public Review Date: Aug 10, 2018</td>
<td>Final Action Date: Nov 29, 2018</td>
<td>Approved</td>
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<tr>
<td>ANSI E1.54-2021, ESTA Standard for Color Communication in Entertainment Lighting (revision of ANSI E1.54-2015)</td>
<td>PINS Date: Aug 11, 2017</td>
<td>Public Review Date: May 29, 2020</td>
<td>Final Action Date: Jan 7, 2021</td>
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<tr>
<td>E1.57-2016</td>
<td>Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016)</td>
<td>Aug 15, 2014</td>
<td>Feb 23, 2018</td>
<td>May 5, 2021</td>
</tr>
<tr>
<td>E1.6-1-2021</td>
<td>Entertainment Technology - Powered Hoist Systems (revision of ANSI E1.6-1-2019)</td>
<td>Feb 14, 2020</td>
<td>May 15, 2020</td>
<td>Jan 26, 2021</td>
</tr>
<tr>
<td>E1.6-2018</td>
<td>Guidelines for the Use of Raked Stages in Live Performance Environments (new standard)</td>
<td>Dec 30, 2016</td>
<td>Feb 23, 2018</td>
<td>Sep 20, 2018</td>
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<tr>
<td>ES1.4-2021</td>
<td>Event Safety - Fire Safety Requirements (new standard)</td>
<td>Nov 18, 2016</td>
<td>May 14, 2021</td>
<td>Oct 8, 2021</td>
</tr>
<tr>
<td>ES1.9-2020</td>
<td>Event Safety Requirements – Crowd Management (new standard)</td>
<td>Nov 18, 2016</td>
<td>Nov 15, 2019</td>
<td>Jul 6, 2020</td>
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</table>
### ESTA (Entertainment Services and Technology Association)

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- **ANSI/E1.21-2020, Entertainment Technology -- Temporary Structures Used for Technical Production of Outdoor Entertainment Events** (revision of ANSI E1.21-2013)
  - PINS Date: Dec 8, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Mar 23, 2020 | Approved

  - PINS Date: Aug 9, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 1, 2020 | Approved

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- **ANSI/E1.53-2019, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice** (revision of ANSI E1.53-2016)
  - PINS Date: Aug 24, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jun 28, 2019 | Approved

- **ANSI/E1.6-3-2019, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry** (revision of ANSI/E1.6-3-2012)
  - PINS Date: Apr 7, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 14, 2019 | Approved

- **ANSI/E1.6-4-2022, Design, Inspection, and Maintenance of Portable Fixed Speed Electric Chain Hoist Control Systems in the Entertainment Industry** (revision and partition of ANSI E1.6-4-2013)
  - PINS Date: Apr 7, 2017 | Public Review Date: Feb 4, 2022 | Final Action Date: Oct 31, 2022 | Approved

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- **ANSI/ESTA E1.69-2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources** (new standard)
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### FCI (Fluid Controls Institute)

  - 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 13, 2019 | Final Action Date: Sep 23, 2020 | Approved

- **ANSI/FCI 19-1-2021, Standard for Sizing & Selection of Type 2 Secondary Pressure Drainers** (new standard)
  - PINS Date: Nov 29, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Feb 25, 2021 | Approved

- **ANSI/FCI 19-2-2022, Standard for Installation of Type 2 Secondary Pressure Drainers** (new standard)
  - PINS Date: May 29, 2020 | Public Review Date: Jun 18, 2021 | Final Action Date: May 31, 2022 | Approved
FCI (Fluid Controls Institute)

- ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method (reaffirmation of ANSI/FCI 4-1-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 18, 2019 | Approved

  PINS Date: Jan 21, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 13, 2022 | Approved

- ANSI/FCI 70-2-2021, Control Valve Seat Leakage Testing (revision of ANSI/FCI 70-2-2013)
  PINS Date: Mar 3, 2017 | Public Review Date: Sep 4, 2020 | Final Action Date: Jan 26, 2021 | Approved

- ANSI/FCI 70-3-2021, Standard for Regulator Seat Leakage Testing (revision of ANSI/FCI 70-3-2016)
  PINS Date: Aug 28, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators (revision of ANSI/FCI 79-1-2016)
  PINS Date: Aug 28, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: May 7, 2021 | Approved

  PINS Date: Dec 16, 2016 | Public Review Date: Oct 4, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/FCI 87-1-2017, Classification and Operating Principles of Steam Traps (revision of ANSI/FCI 87-1-2009)
  PINS Date: Aug 1, 2014 | Public Review Date: May 20, 2016 | Final Action Date: May 11, 2017 | Approved

- ANSI/FCI 91-1-2020, Standard for Qualification of Control Valve Stem Seals (new standard)
  PINS Date: Jun 19, 2015 | Public Review Date: Mar 20, 2020 | Final Action Date: Oct 19, 2020 | Approved

  PINS Date: Apr 20, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 14, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: May 15, 2020 | Final Action Date: Sep 24, 2020 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 99-3-2020, Backpressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)
  PINS Date: Mar 3, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Mar 18, 2021 | Approved

- ANSI/FCI 99-4-2022, Classification and Operating Principles of Steam Trap Assemblies
  PINS Date: May 24, 2022 | Public Review Date: Sep 25, 2022 | Final Action Date: Nov 16, 2022 | Approved

FM (FM Approvals)

- ANSI/FM 1035-2018, Nitrogen Generators (new standard)
  PINS Date: Oct 10, 2014 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Sep 17, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Sep 12, 2022 | Approved

- ANSI/FM 2510-2020, Flood Abatement Equipment (revision of ANSI/FM 2510-2014)
  PINS Date: Jan 18, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Sep 14, 2020 | Approved

  PINS Date: Feb 26, 2016 | Public Review Date: Dec 2, 2016 | Final Action Date: Jan 30, 2017 | Approved

  PINS Date: Nov 27, 2009 | Public Review Date: Jul 10, 2020 | Final Action Date: Nov 2, 2020 | Approved
### Approved American National Standards

**FM (FM Approvals)**

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Description</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
</tr>
</thead>
</table>

### GBI (Green Building Initiative)

- **1005 S.W. 4th - Suite 500, Portland, OR 97201** | [www.gbi.org](http://www.gbi.org)

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Description</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
</tr>
</thead>
</table>

Provided by American National Standards Institute  [www.ansi.org](http://www.ansi.org)  Monday, December 12, 2022  PAGE
<table>
<thead>
<tr>
<th>Organization</th>
<th>Standards</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC (ASC Z97) (Glazing Industry Secretariat Committee)</td>
<td>ANSI Z97.1-2015 (R2020), Safety Glazing Materials used in Buildings - Safety Performance Specifications and Methods of Test</td>
<td>Reaffirmed</td>
</tr>
<tr>
<td></td>
<td>Public Review Date: Apr 17, 2020</td>
<td>Final Action Date: Sep 3, 2020</td>
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<tr>
<td></td>
<td>PINS Date: Apr 21, 2017</td>
<td>Public Review Date: Jan 26, 2018</td>
</tr>
<tr>
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<td>ANSI/MSE 50028-2-2019, Superior Energy Performance(R) 50001 Program - Requirements for verification bodies for use in accreditation or other forms of recognition</td>
<td>Approved</td>
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<td>PINS Date: Apr 21, 2017</td>
<td>Public Review Date: Sep 7, 2018</td>
</tr>
<tr>
<td>HFES (Human Factors &amp; Ergonomics Society)</td>
<td>ANSI/HFES 400-2021, Human Readiness Level Scale in the System Development Process</td>
<td>Approved</td>
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<tr>
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<td>PINS Date: Aug 14, 2020</td>
<td>Public Review Date: Jan 29, 2021</td>
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<tr>
<td>HI (Hydraulic Institute)</td>
<td>ANSI/HI 1.1-1.2-2014, Rotodynamic Centrifugal Pumps for Nomenclature &amp; Definitions</td>
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<td>PINS Date: Sep 28, 2012</td>
<td>Public Review Date: Jan 31, 2014</td>
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<td>Public Review Date: Jun 7, 2013</td>
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<td>PINS Date: Sep 28, 2012</td>
<td>Public Review Date: May 3, 2013</td>
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<td>PINS Date: Jan 3, 2020</td>
<td>Public Review Date: May 14, 2021</td>
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<td>ANSI/HI 10.6-2021, Air-Operated Pump Tests</td>
<td>Approved</td>
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<tr>
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<td>PINS Date: Jan 3, 2020</td>
<td>Public Review Date: Jul 30, 2021</td>
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<td>ANSI/HI 11.6-2022, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests</td>
<td>Approved</td>
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<tr>
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<td>PINS Date: Jan 22, 2021</td>
<td>Public Review Date: May 13, 2022</td>
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<td>Title</td>
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<tr>
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<td>PINS Date: Apr 11, 2014</td>
<td>Public Review Date: Jun 15, 2018</td>
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<tr>
<td>ANSI/HI 14.3-2019, Rotodynamic Pumps for Design and Application (new standard)</td>
<td>PINS Date: Feb 15, 2013</td>
<td>Public Review Date: Oct 12, 2018</td>
</tr>
<tr>
<td>ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard)</td>
<td>PINS Date: Apr 11, 2014</td>
<td>Public Review Date: Jun 8, 2018</td>
</tr>
<tr>
<td>ANSI/HI 14.6-2022, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2016)</td>
<td>PINS Date: Mar 8, 2019</td>
<td>Public Review Date: Dec 31, 2021</td>
</tr>
<tr>
<td>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)</td>
<td>PINS Date: Apr 22, 2011</td>
<td>Public Review Date: Jun 8, 2012</td>
</tr>
<tr>
<td>ANSI/HI 2.4-2014, Rotodynamic Vertical Pumps for Installation, Operation and Maintenance (revision of ANSI/HI 2.4-2008)</td>
<td>PINS Date: Sep 28, 2012</td>
<td>Public Review Date: Apr 19, 2013</td>
</tr>
<tr>
<td>ANSI/HI 3.1-3.5-2021, Rotary Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 3.1-3.5-2015)</td>
<td>PINS Date: Dec 21, 2018</td>
<td>Public Review Date: Jun 19, 2020</td>
</tr>
<tr>
<td>ANSI/HI 3.6-2022, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)</td>
<td>PINS Date: Jan 3, 2020</td>
<td>Public Review Date: Dec 31, 2021</td>
</tr>
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<td>ANSI/HI 4.1-4.6-2017 (R2022), Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test (reaffirmation of ANSI/HI 4.1-4.6-2017)</td>
<td>PINS Date: Jul 22, 2022</td>
<td>Public Review Date: Sep 9, 2022</td>
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<tr>
<td>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)</td>
<td>PINS Date: May 24, 2019</td>
<td>Public Review Date: Apr 9, 2021</td>
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<tr>
<td>ANSI/HI 7.6-2018, Controlled Volume Metering Pumps - Test (revision of ANSI/HI 7.6-2012)</td>
<td>PINS Date: Mar 25, 2016</td>
<td>Public Review Date: Dec 15, 2017</td>
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<tr>
<td>ANSI/HI 7.8-2021, HI-7.8 Controlled Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2016)</td>
<td>PINS Date: Jan 3, 2020</td>
<td>Public Review Date: Aug 20, 2021</td>
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# HI (Hydraulic Institute)

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<td>May 24, 2019</td>
<td>Jul 30, 2021</td>
<td>Feb 8, 2022</td>
<td>Approved</td>
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# HIBCC (Health Industry Business Communications Council)

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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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# HL7 (Health Level Seven)

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<th>Public Review Date</th>
<th>Final Action Date</th>
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<td>(revision and redesignation of ANSI/HL7 CDAR2IG HAIRPT, R2-2015)</td>
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<td>Public Review Date: May 31, 2019</td>
<td>Final Action Date: Aug 1, 2019</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/HL7 EHR CHFP, R1-2008 (R2019), HL7 EHR Child Health Functional Profile, Release 1  (reaffirmation of ANSI/HL7 EHR CHFP, R1-2008 (R2014))</td>
<td>Public Review Date: May 31, 2019</td>
<td>Final Action Date: Aug 1, 2019</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/HL7 EHR LTCFP, R1-2010 (R2021), HL7 EHR System Long Term Care Functional Profile, Release 1 - US Realm  (reaffirmation of ANSI/HL7 EHR LTCFP, R1-2010 (R2016))</td>
<td>Public Review Date: Jun 4, 2021</td>
<td>Final Action Date: Aug 9, 2021</td>
<td>Approved</td>
</tr>
<tr>
<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>
<td>Public Review Date: May 18, 2018</td>
<td>Final Action Date: Sep 4, 2018</td>
</tr>
<tr>
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<td>PINS Date: Jan 26, 2018</td>
<td>Public Review Date: May 8, 2020</td>
<td>Final Action Date: Jun 30, 2020</td>
</tr>
<tr>
<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>
<td>Final Action Date: Mar 15, 2022</td>
<td>Approved</td>
</tr>
<tr>
<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>
<td>Public Review Date: Jan 24, 2020</td>
<td>Final Action Date: Mar 17, 2020</td>
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HL7 (Health Level Seven)

  PINS Date: Aug 20, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/HL7 FHIR R4 PATIENT R1-2019, HL7 FHIR R4 Patient, Release 1 (new standard)
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- ANSI/HL7 FHIR® OBS R1-2019, HL7 FHIR R4 Observation, Release 1 (new standard)
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  PINS Date: Mar 16, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Mar 14, 2019 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 24, 2020 | Approved

  Public Review Date: Jun 3, 2022 | Final Action Date: Aug 2, 2022 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Jan 16, 2020 | Approved

- ANSI/HL7 PHRSFM, R2-2021, HL7 EHRs-FM Release 2: Personal Health Record System Functional Model, Release 2 (revision and redesignation of ANSI/HL7 PHRSFM, R1-2014)
  PINS Date: Dec 29, 2017 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 12, 2021 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jul 7, 2019 | Approved

- ANSI/HL7 PSIM, R1-2021, HL7 Privacy and Security Logical Data Model, Release 1 (new standard)
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  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
HL7 (Health Level Seven)

  Public Review Date: Oct 7, 2022 | Final Action Date: Dec 5, 2022 | Approved

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- 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

  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Jan 18, 2022 | Approved

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  Public Review Date: Feb 4, 2022 | Final Action Date: Mar 24, 2022 | Approved
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<tr>
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<th>Date Approved</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<tbody>
<tr>
<td>HQMF, R1-2017</td>
<td>Sept 29, 2022</td>
<td>Aug 12, 2022</td>
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<tr>
<td>ICSRP1, R2-2012</td>
<td>Dec 9, 2021</td>
<td>Oct 1, 2021</td>
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<td>ICSRP2, R2-2012</td>
<td>Dec 9, 2021</td>
<td>Oct 1, 2021</td>
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<td>Apr 27, 2020</td>
<td>Mar 6, 2020</td>
<td></td>
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<td>DS4P, R1-2014</td>
<td>Aug 9, 2019</td>
<td>Jul 12, 2019</td>
<td></td>
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<td>INFOB, R2-2014</td>
<td>Apr 20, 2019</td>
<td>Jun 21, 2019</td>
<td></td>
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<td>May 23, 2019</td>
<td>Mar 22, 2019</td>
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<td>Apr 20, 2018</td>
<td>Feb 23, 2018</td>
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<td>Apr 20, 2018</td>
<td>Feb 23, 2018</td>
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<td>Jan 10, 2020</td>
<td>Oct 11, 2019</td>
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<td>Oct 19, 2018</td>
<td>Aug 17, 2018</td>
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<td>Apr 12, 2016</td>
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<td>Apr 27, 2020</td>
<td>Mar 6, 2020</td>
<td></td>
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<tr>
<td>ANSI/HL7 V3 PC CAREPLAN, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREPLAN, R1-2013)</td>
<td>Public Review Date: Feb 23, 2018</td>
<td>Final Action Date: Apr 20, 2018</td>
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<td>ANSI/HL7 V3 PC CAREREC, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Queries Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREREC, R1-2013)</td>
<td>Public Review Date: Feb 23, 2018</td>
<td>Final Action Date: Jun 15, 2018</td>
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<td>ANSI/HL7 V3 PCAS, R1-2018, HL7 Version 3 Standard: Care Provision; Assessment Scales, Release 1 (new standard)</td>
<td>Public Review Date: Apr 19, 2016</td>
<td>Final Action Date: May 24, 2018</td>
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<td>ANSI/HL7 V3 REG RTLTM, R1-2011 (R2022), HL7 Version 3 Standard: Registries; Real Time Location Tracking, Release 1 (reaffirmation of ANSI/HL7 V3 REG RTLTM, R1-2011 (R2016))</td>
<td>Public Review Date: Sep 30, 2022</td>
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<td>ANSI/HL7 V3 RIM, R7-2016 (R2021), HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016)</td>
<td>Public Review Date: Oct 1, 2021</td>
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HL7 (Health Level Seven)

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

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

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HPS (ASC N13) (Health Physics Society)

  PINS Date: Oct 26, 2018 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

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- 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

- 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

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- 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)
  PINS Date: May 9, 2014 | Public Review Date: Jul 11, 2014 | Final Action Date: Aug 28, 2014 | Approved

  PINS Date: Jan 7, 2011 | Public Review Date: Mar 18, 2011 | Final Action Date: Jun 10, 2011 | Approved

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  Public Review Date: Aug 15, 2014 | Final Action Date: Aug 24, 2016 | Approved
### Approved American National Standards

#### HPS (ASC N13) (Health Physics Society)

- **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

  - (reaffirmation of ANSI N13.59-2008)
  - Public Review Date: Apr 18, 2014 | Final Action Date: Jun 11, 2014 | Approved

- **ANSI N13.6-2010 (R2019), Practice for Occupational Radiation Exposure Records Systems**
  - (reaffirmation of ANSI N13.6-2010)
  - Public Review Date: Jan 4, 2019 | Final Action Date: Mar 1, 2019 | Approved

- **ANSI N13.7-2009 (R2013), Sealed Radioactive Sources—Classification**
  - (reaffirmation of ANSI N13.7-2009)
  - Public Review Date: Jan 26, 2018 | Final Action Date: Jul 24, 2018 | Approved

#### HPS (ASC N43) (Health Physics Society)

- **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

- **ANSI N43.17-2009 (R2018), Radiation Safety for Personnel Security Screening Systems Using X-ray or Gamma Radiation**
  - (reaffirmation of ANSI N43.17-2009)
  - 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 (R2018), For General Radiation Safety--Installations Using Non-Medical X-ray and Sealed Gamma-Ray Sources, Energies Up to 10 MeV**
  - (reaffirmation of ANSI N43.3-2008)
  - Public Review Date: Oct 20, 2017 | Final Action Date: Dec 12, 2017 | Approved

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

- **ANSI N43.5-2013, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV**
  - (new standard)
  - PINS Date: May 4, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jul 8, 2013 | Approved

- **ANSI N43.6-2007 (R2013), Sealed Radioactive Sources—Classification**
  - (reaffirmation of ANSI N43.6-2007)
  - 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
HPS (ASC N43) (Health Physics Society)

- 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)

  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: Jul 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)

  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)

  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)

- 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)
  PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved

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  PINS Date: Nov 9, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 30, 2020 | Approved
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<th>Public Review Date</th>
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<td>ANSI/ASSE 1004-2016</td>
<td>Backflow Prevention Requirements for Commercial Dishwashing Machines</td>
<td>Dec 26, 2014</td>
<td>Oct 14, 2016</td>
<td>Jan 6, 2017</td>
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<td>ANSI/ASSE 1010-2021</td>
<td>Performance Requirements for Water Hammer Arresters</td>
<td>May 18, 2018</td>
<td>Sep 24, 2021</td>
<td>Nov 17, 2021</td>
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<td>ANSI/ASSE 1012-2021</td>
<td>Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent</td>
<td>May 18, 2018</td>
<td>Sep 24, 2021</td>
<td>Nov 17, 2021</td>
<td>Approved</td>
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<td>ANSI/ASSE 1013-2021</td>
<td>Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies</td>
<td>Sep 2, 2016</td>
<td>Apr 16, 2021</td>
<td>Jun 1, 2021</td>
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<td>ANSI/ASSE 1015-2021</td>
<td>Performance Requirements for Double Check Backflow Prevention Assemblies</td>
<td>Sep 2, 2016</td>
<td>Apr 16, 2021</td>
<td>Jun 1, 2021</td>
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<td>ANSI/ASSE 1020-2020</td>
<td>Performance Requirements for Pressure Vacuum Breaker Assembly</td>
<td>Apr 10, 2015</td>
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<td>ANSI/ASSE 1023-2020, Performance Requirements for Electrically Heated or Cooled Water Dispensers (revision of ANSI/ASSE 1023-2019)</td>
<td>PINS Date: May 15, 2020</td>
<td>Public Review Date: Jul 10, 2020</td>
<td>Final Action Date: Sep 1, 2020</td>
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<td>ANSI/ASSE 1024-2017 (R2021), Performance Requirements for Dual Check Backflow Preventers (reaffirmation of ANSI/ASSE 1024-2017)</td>
<td>Public Review Date: Apr 30, 2021</td>
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<td>ANSI/ASSE 1030-2021, Performance Requirements for Positive Pressure Reduction Devices for Sanitary Drainage Systems (revision of ANSI/ASSE 1030-2016)</td>
<td>PINS Date: May 15, 2020</td>
<td>Public Review Date: Feb 26, 2021</td>
<td>Final Action Date: Apr 27, 2021</td>
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<td>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)</td>
<td>PINS Date: Apr 22, 2016</td>
<td>Public Review Date: Nov 20, 2020</td>
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<td>ANSI/ASSE 1035-2020, Performance Requirements for Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)</td>
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<td>ANSI/ASSE 1047-2021, Performance Requirements for Reduced Pressure Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1047-2011)</td>
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<td>ANSI/ASSE 1048-2021, Performance Requirements for Double Check Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1048-2011)</td>
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<td>ANSI/ASSE 1052-2016, Performance Requirements for Hose Connection Backflow Preventers (new standard)</td>
<td>PINS Date: Dec 26, 2014</td>
<td>Public Review Date: Apr 22, 2016</td>
<td>Final Action Date: Aug 17, 2016</td>
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<td>ANSI/ASSE 1053-2019, Performance Requirements for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Types (new standard)</td>
<td>PINS Date: May 18, 2018</td>
<td>Public Review Date: Mar 8, 2019</td>
<td>Final Action Date: Apr 26, 2019</td>
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<td>ANSI/ASSE 1056-2013 (R2021), Performance requirements for Spill Resistant Vacuum Breaker (reaffirmation of ANSI/ASSE 1056-2013)</td>
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<td>ANSI/ASSE 1060-2017 (R2021), Performance Requirements for Outdoor Enclosures for Fluid Conveying Components (reaffirmation of ANSI/ASSE 1060-2017)</td>
<td>Public Review Date: Apr 30, 2021</td>
<td>Final Action Date: Sep 24, 2021</td>
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<td>ANSI/ASSE 1061-2020, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2015)</td>
<td>PINS Date: Jul 26, 2019</td>
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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

  - 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

- 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 1066-2022, Performance Requirements for Individual Pressure Balancing In-Line Valves for Individual Fixture Fittings (new standard)
  - PINS Date: Sep 4, 2015 | Public Review Date: Sep 16, 2022 | Final Action Date: Dec 1, 2022 | 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

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- 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

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

- ANSI/ASSE 1087-2022, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (revision of ANSI/ASSE 1087-2018)
  - PINS Date: Jun 11, 2021 | Public Review Date: Aug 12, 2022 | Final Action Date: Oct 4, 2022 | 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

- ANSI/ASSE 1098-2021, Performance Requirements for Atmospheric Vacuum Breakers for Vacuum Toilet 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)
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  - PINS Date: Dec 3, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 27, 2022 | 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
## Approved American National Standards

- IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)
    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)  
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    PINS 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 Atmospheric Type Vacuum Breakers (revision of ANSI/ASSE 1001-2017)  
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    PINS Date: May 24, 2019 | Public Review Date: Oct 19, 2021 | Final Action Date: Dec 28, 2021 | Approved

- IAPMO (WES) (International Association of Plumbing & Mechanical Officials)
  - 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)
    PINS Date: Feb 21, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Jul 24, 2020 | Approved
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<tr>
<td>ANSI/CSA B45.5/IAPMO Z124-2022</td>
<td>Plastic Plumbing Fixtures (revision of ANSI/IAPMO Z124-2016)</td>
<td>PINS Date: Mar 5, 2021</td>
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<tr>
<td>ANSI/CSA B45.8/IAPMO Z403-2018</td>
<td>Terrazzo, concrete, and natural stone plumbing fixtures (revision of ANSI/IAPMO Z403-2013)</td>
<td>PINS Date: Oct 13, 2017</td>
</tr>
<tr>
<td>ANSI/IAPMO 30500/ISO 30500-2019</td>
<td>Nonsewered sanitation systems — Prefabricated integrated treatment units — General performance requirements for design and testing (identical national adoption of ISO 30500)</td>
<td>PINS Date: Dec 7, 2018</td>
</tr>
<tr>
<td>ANSI/IAPMO H1001.1-2021</td>
<td>Quality of Heat Transfer Fluids Used in Hydronics Systems (new standard)</td>
<td>PINS Date: Apr 17, 2020</td>
</tr>
<tr>
<td>ANSI/IAPMO Z1000-2019</td>
<td>Prefabricated Septic Tanks (revision of ANSI/IAPMO Z1000-2013)</td>
<td>PINS Date: Feb 2, 2018</td>
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<tr>
<td>ANSI/IAPMO Z1002-2020</td>
<td>Rainwater Harvesting Tanks (revision of ANSI/IAPMO Z1002-2014)</td>
<td>PINS Date: Jul 24, 2020</td>
</tr>
<tr>
<td>ANSI/IAPMO Z1088-2019</td>
<td>Pre-Pressurized Water Expansion Tanks (revision of ANSI/IAPMO Z1088-2013)</td>
<td>PINS Date: Jun 2, 2017</td>
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IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

- 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

  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

  PINS Date: Jan 1, 2021 | Public Review Date: Oct 7, 2022 | Final Action Date: Dec 1, 2022 | 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: Feb 18, 2022 | Public Review Date: Mar 18, 2022 | Final Action Date: Dec 8, 2022 | 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
**ICC (International Code Council)**

  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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  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 3, 2020 | Approved

**ICC (ASC A117) (International Code Council)**

  PINS Date: Jul 29, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Mar 28, 2017 | Approved

**ICE (Institute for Credentialing Excellence)**

  PINS Date: Dec 15, 2017 | Public Review Date: Jan 4, 2019 | Final Action Date: Apr 9, 2019 | Approved

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

- 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 27, 2015 | Approved

  Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved
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<th>PINS Date</th>
<th>Public Review Date</th>
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<td>ANSI/IEEE 11073-10406-2011</td>
<td>Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3-lead ECG) (new standard)</td>
<td>Feb 6, 2009</td>
<td>Mar 9, 2012</td>
<td>Dec 12, 2012</td>
<td>Approved</td>
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IEEE (Institute of Electrical and Electronics Engineers)

- 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

  PINS Date: May 5, 2006 | Public Review Date: May 20, 2011 | Final Action Date: Jul 25, 2012 | Approved

  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

Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved

ANSI/IEEE 1450.6-2005 (R2011), Standard Test Interface Language (STIL) for Digital Test Vector Data--Core Test Language (CTL) (reaffirmation of ANSI/IEEE 1450.6-2005)
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

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PINS Date: Nov 8, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 9, 2016 | Approved

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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 | 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

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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

PINS Date: Jul 16, 2010 | Public Review Date: Dec 13, 2013 | Final Action Date: Jul 13, 2015 | Approved

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ANSI/IEEE 1653.1-2016, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output (new standard)
PINS Date: Apr 9, 2004 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 14, 2017 | Approved

PINS Date: May 23, 2008 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved

ANSI/IEEE 1653.4-2011, Standard for dc Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 Volts dc Nominal (new standard)
PINS Date: Apr 9, 2004 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

ANSI/IEEE 1657a-2015, Recommended Practice for Personnel Qualifications for Installation and Maintenance of Stationary Batteries - Amendment 1: Updated Safety Sections (new standard)
PINS Date: Jul 3, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 14, 2016 | Approved

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- ANSI/IEEE 1671.5-2015, Standard for Automatic Test Markup Language (ATML) Test Adapter Description (new standard)
  PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 22, 2016 | Approved

- ANSI/IEEE 1671.6-2015, Standard for Automatic Test Markup Language (ATML) Test Station Description (new standard)
  PINS Date: Jul 16, 2010 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 22, 2016 | Approved

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

- ANSI/IEEE 1680.2-2012, Standard for Environmental Assessment of Imaging Equipment (new standard)
  PINS Date: Oct 23, 2009 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 28, 2016 | Approved

- ANSI/IEEE 1680.3-2012, Standard for Environmental Assessment of Televisions (new standard)
  PINS Date: Oct 23, 2009 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 28, 2016 | Approved

- ANSI/IEEE 1682-2011, Trial-Use Standard for Qualifying Fiber Optic Cables, Connections and Optical Fiber Splices for Use in (new standard)
  PINS Date: Nov 25, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

  PINS Date: May 5, 2006 | Public Review Date: Mar 9, 2012 | Final Action Date: Nov 19, 2012 | Approved

- ANSI/IEEE 1695-2016, Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage (new standard)
  PINS Date: Dec 17, 2010 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 3, 2017 | Approved

- ANSI/IEEE 1707-2015, Recommended Practice for the Investigation of Events at Nuclear Facilities (new standard)
  PINS Date: Jun 8, 2012 | Public Review Date: Apr 8, 2016 | Final Action Date: Mar 16, 2017 | Approved

  PINS Date: Aug 17, 2007 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

  PINS Date: Feb 29, 2008 | Public Review Date: Jul 8, 2011 | Final Action Date: Mar 27, 2012 | Approved

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IEEE (Institute of Electrical and Electronics Engineers)

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  PINS Date: Dec 17, 2010 | Public Review Date: Jul 14, 2017 | Final Action Date: Aug 3, 2018 | Approved

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- ANSI/IEEE 1849-2016, Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams (new standard)
  PINS Date: Jul 31, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 27, 2018 | Approved

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- ANSI/IEEE 1857-2013, Standard for Advanced Audio and Video Coding (new standard)
  PINS Date: Jun 15, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1857.5-2015, Draft Standard for Advanced Mobile Speech and Audio (new standard)
  PINS Date: Jan 17, 2014 | Public Review Date: May 27, 2016 | Final Action Date: Apr 18, 2017 | Approved

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  PINS Date: Nov 30, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 4, 2017 | Approved

  PINS Date: Apr 12, 2013 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 31, 2018 | Approved

- ANSI/IEEE 1888.4-2016, Standard for Green Smart Home and Residential Quarter Control Network Protocol (new standard)
  PINS Date: Apr 12, 2013 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

- ANSI/IEEE 1896-2016, Standard for Identification of Contact Wire Used in Overhead Contact Systems (new standard)
  PINS Date: Nov 29, 2013 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 15, 2017 | Approved

- ANSI/IEEE 1898-2016, Standard for High-Voltage Direct-Current (HVDC) Composite Post Insulators (new standard)
  PINS Date: Nov 8, 2013 | Public Review Date: Mar 24, 2017 | Final Action Date: Feb 27, 2018 | Approved
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PINS Date: Jan 21, 2011 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

ANSI/IEEE 1906.1-2015, Recommended Practice for Nanoscale and Molecular Communication Framework (new standard)
PINS Date: Jun 24, 2011 | Public Review Date: May 27, 2015 | Final Action Date: May 5, 2017 | Approved

ANSI/IEEE 2030-2011, 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)
PINS Date: May 1, 2009 | Public Review Date: Oct 14, 2011 | Final Action Date: Jan 24, 2013 | Approved

ANSI/IEEE 2030.100-2017, Recommended Practice for Implementing an IEC 61850-Based Substation Communications, Protection, Monitoring, and Control System (new standard)
PINS Date: Jul 6, 2012 | Public Review Date: Nov 3, 2017 | Final Action Date: Nov 29, 2018 | Approved

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<th>PINS Date: Jan 17, 2014</th>
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<th>Final Action Date: Sep 1, 2017</th>
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<td>ANSI/IEEE 3001.11-2017, Recommended Practice for Application of controllers and automation to Industrial and Commercial Power Systems  (new standard)</td>
<td>PINS Date: Jan 22, 2010</td>
<td>Public Review Date: Sep 8, 2017</td>
<td>Final Action Date: Sep 13, 2018</td>
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IEEE (Institute of Electrical and Electronics Engineers)

- 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)
  PINS Date: Jul 18, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved

  PINS Date: Mar 26, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/IEEE 3333.1.1-2015, 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

  PINS Date: Jun 15, 2012 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | 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
IEEE (Institute of Electrical and Electronics Engineers)

- 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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  Public Review Date: Jul 12, 2013 | Final Action Date: Oct 29, 2014 | Approved

- ANSI/IEEE 45.1-2017, Recommended Practice for Electrical Installations on Shipboard--Design (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/IEEE 45.2-2011, Recommended Practice for Electrical Installations on Shipboard - Controls and Automation (new standard)
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- ANSI/IEEE 45.3-2015, Recommended Practice for Shipboard Electrical Installations - Systems Engineering (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 12, 2016 | Approved

- ANSI/IEEE 45.6-2016, Recommended Practice for Electrical Installations on Shipboard--Electrical Testing (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: May 26, 2017 | Final Action Date: May 25, 2018 | Approved

- ANSI/IEEE 45.8-2016, Recommended Practice for Electrical Installations on Shipboard--Cable Systems (new standard)
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  PINS Date: Nov 15, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 13, 2016 | Approved

- ANSI/IEEE 487.4-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Neutralizing Transformers (new standard)
  PINS Date: Feb 24, 2012 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

- ANSI/IEEE 487.5-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Isolation Transformers (new standard)
  PINS Date: Feb 24, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Jun 17, 2015 | Approved
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<tr>
<td>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</td>
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Approved American National Standards

IEEE (Institute of Electrical and Electronics Engineers)

- 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

- 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
IEEE (Institute of Electrical and Electronics Engineers)

- 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

- ANSI/IEEE 802.1Qbe-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Multiple Backbone Service Instance Identifier (I-SID) Registration Protocol (MIRP) (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: Oct 23, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1Qcd-2016, Standard for Local and metropolitan area networks - Bridges and Bridged Networks - Amendment 23: Application Virtual Local Area Network (VLAN) Type, Length, Value (TLV) (addenda to ANSI/IEEE 802.1Q-2012)
  PINS Date: Nov 8, 2013 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Apr 12, 2013 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 27, 2018 | Approved

  PINS Date: Oct 29, 2004 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 26, 2012 | Approved

- ANSI/IEEE 802.3.1-2011, Standard for Management Information Base (MIB) definitions for Ethernet (new standard)
  PINS Date: Feb 20, 2009 | Public Review Date: Jul 8, 2011 | Final Action Date: May 23, 2012 | Approved

  PINS Date: Jul 31, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved
# Approved American National Standards

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

- ANSI/IEEE 802.3bf-2011, Standard for Information Technology - Telecommunications and Information Exchange between Systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media Access Control (MAC) service interface and management parameters to support time synchronization protocols (supplement to ANSI/IEEE 802.3-2009)
  
PINS Date: Jan 22, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Apr 16, 2012 | **Approved**

  
PINS Date: May 21, 2010 | Public Review Date: May 20, 2011 | Final Action Date: Mar 27, 2012 | **Approved**

- ANSI/IEEE 802.3bu-2016, Standard for Ethernet--Amendment 8: Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet (new standard)
  
PINS Date: Jan 17, 2014 | Public Review Date: Jun 2, 2017 | Final Action Date: May 4, 2018 | **Approved**

- ANSI/IEEE 807-2011, Recommended Practice for Unique Identification in Hydroelectric Facilities (new standard)
  
PINS Date: Nov 15, 2002 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | **Approved**

  
PINS Date: Mar 18, 2005 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 3, 2014 | **Approved**

- ANSI/IEEE 810-2015, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (new standard)
  
PINS Date: Aug 17, 2007 | Public Review Date: Aug 8, 2016 | Final Action Date: Mar 16, 2017 | **Approved**

  
Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | **Approved**

  
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PINS Date: Dec 10, 2004 | Public Review Date: Nov 21, 2008 | Final Action Date: Mar 5, 2009 | **Approved**

  
PINS Date: Mar 2, 2012 | Public Review Date: Aug 26, 2016 | Final Action Date: Jul 21, 2017 | **Approved**

- ANSI/IEEE C37.010-2016, Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis (new standard)
  
PINS Date: Jan 28, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | **Approved**
Approved American National Standards

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IEEE (Institute of Electrical and Electronics Engineers)

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  PINS Date: May 1, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

- ANSI/IEEE C37.100.2-2022, Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V (new standard)
  PINS Date: Oct 1, 2021 | Public Review Date: Dec 31, 2021 | Final Action Date: Sep 6, 2022 | Approved

  Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

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  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 1, 2021 | Public Review Date: Feb 11, 2022 | Final Action Date: Sep 7, 2022 | Approved

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<th>PINS Date</th>
<th>Public Review Date</th>
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<td>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)</td>
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<td>Public Review Date: Feb 19, 2016</td>
<td>Final Action Date: Dec 16, 2016</td>
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<td>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)</td>
<td>Approved</td>
<td>PINS Date: Nov 2, 2012</td>
<td>Public Review Date: Nov 3, 2017</td>
<td>Final Action Date: Oct 29, 2018</td>
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<td>Public Review Date: Jul 21, 2017</td>
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<td>PINS Date: Mar 4, 2011</td>
<td>Public Review Date: May 26, 2017</td>
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### Approved American National Standards

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<th>Title</th>
<th>Date Published</th>
<th>Date of Approval</th>
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### IEEE (Institute of Electrical and Electronics Engineers)

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  - PINS Date: Jul 22, 2011 | Public Review Date: May 26, 2017 | Final Action Date: May 22, 2018 | Approved

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  - 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

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Approved American National Standards

IEEE (Institute of Electrical and Electronics Engineers)

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  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

  PINS Date: Jul 3, 2020 | Public Review Date: Sep 16, 2022 | Final Action Date: Dec 1, 2022 | Approved

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IEEE (ASC C2) (Institute of Electrical and Electronics Engineers)

  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)

- 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
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<th>Title</th>
<th>Date of Final Action</th>
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<td>ANSI C63.24-2021</td>
<td>Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems</td>
<td>Jan 19, 2021</td>
<td>Approved</td>
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<td>ANSI C63.25.1-2018</td>
<td>Standard Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz</td>
<td>Dec 17, 2018</td>
<td>Approved</td>
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<td>ANSI C63.29-2022</td>
<td>Standard for compliance testing of Lighting Products</td>
<td>Dec 1, 2022</td>
<td>Approved</td>
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<td>ANSI C63.30-2021</td>
<td>Standard for compliance testing of Wireless Power Transfer Products</td>
<td>Mar 8, 2021</td>
<td>Approved</td>
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<td>ANSI/IEEE C63.4a-2017</td>
<td>Draft Standard for the Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 160 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)</td>
<td>Sep 15, 2017</td>
<td>Approved</td>
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<td>ANSI C63.27-2021</td>
<td>Standard for Evaluation of Wireless Coexistence</td>
<td>Nov 29, 2021</td>
<td>Approved</td>
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<td>ANSI N323A/B-2013</td>
<td>Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments</td>
<td>Dec 16, 2013</td>
<td>Approved</td>
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<td>ANSI N42.17AC-2022</td>
<td>Performance Specifications for Health Physics Instrumentation- Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions</td>
<td>Mar 4, 2022</td>
<td>Approved</td>
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IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

- 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

- 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
IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

- 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)

- 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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  PINS Date: Feb 15, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LM-20-2020, Approved Method: Photometry of Reflector Type Lamps (new standard)
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  PINS Date: Nov 1, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LM-40-2020, IES Approved Method: Life Testing of Fluorescent Lamps (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Feb 7, 2020 | Approved

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  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: 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, 1999 | 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

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<td>PINS Date: Nov 8, 2019</td>
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<td>Final Action Date: Apr 21, 2020</td>
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<td>ANSI/IES LM-88-2018</td>
<td>Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (new standard)</td>
<td>PINS Date: Dec 4, 2015</td>
<td>Public Review Date: Nov 10, 2017</td>
<td>Final Action Date: Sep 6, 2018</td>
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<td>ANSI/IES LM-91 (C303)-2022, IES (Guide to) Approved Method: Application Distance Specific Radiometry (new standard)</td>
<td>Approved</td>
<td>Jan 18, 2019</td>
<td>Dec 17, 2021</td>
<td>Feb 8, 2022</td>
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<td>ANSI/IES LP-12-2021, Lighting Practice: IoT Connected Lighting (new standard)</td>
<td>Approved</td>
<td>Feb 15, 2019</td>
<td>Apr 9, 2021</td>
<td>May 27, 2021</td>
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IES (Illuminating Engineering Society)

  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 24, 2020 | Approved

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

  PINS Date: Mar 1, 2019 | Public Review Date: Jul 5, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LS-3-2020, Lighting Science: Physics and Optics of Radiant Power (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 13, 2020 | Approved

- ANSI/IES LS-5-2021, Lighting Science: Color (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Jan 11, 2021 | Approved

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

- ANSI/IES LS-7-2020, Lighting Science: Vision - Eye and Brain (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LS-8-2020, Lighting Science: Vision - Perceptions and Performance (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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

- ANSI/IES RP-10-2020, Recommended Practice: Lighting Common Applications (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES RP-2-2020, Recommended Practice: Lighting Retail Spaces (new standard)
  PINS Date: Jun 28, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

  PINS Date: Dec 6, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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

- ANSI/IES RP-28-2020, Recommended Practice: Lighting and the Visual Environment for Older Adults and the Visually Impaired (revision of ANSI/IES RP-28-2016)
  PINS Date: Jul 26, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved
## Approved American National Standards

### IES (Illuminating Engineering Society)

<table>
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<th>Standard</th>
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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IES (Illuminating Engineering Society)

- ANSI/IES RP-7-2017, Recommended Practice for Lighting Industrial Facilities (revision and redesignation of ANSI/IESNA RP-7-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI/IES RP-7-2020, Recommended Practice: Lighting Industrial Facilities (revision of ANSI/IES RP-7-2017)
  Public Review Date: Nov 8, 2019 | Final Action Date: Mar 23, 2020 | Approved

- ANSI/IES RP-7-2021, Recommended Practice: Lighting Industrial Facilities (addenda to ANSI/IES RP-7-2020)
  Public Review Date: Feb 5, 2021 | Final Action Date: Mar 25, 2021 | Approved

  Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Jun 8, 2018 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/IES RP-8-2021, Recommended Practice: Design and Maintenance of Roadway and Parking Facility Lighting (revision of ANSI/IES RP-8-2018)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 18, 2021 | Approved

  Public Review Date: Jul 29, 2022 | Final Action Date: Sep 16, 2022 | Approved

- ANSI/IES RP-9-2020, Recommended Practice: Lighting Hospitality Spaces (new standard)
  PINS Date: Nov 24, 2017 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 19, 2020 | Approved

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  PINS Date: Jul 5, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: May 28, 2020 | Approved

  PINS Date: Sep 13, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES TM-26-2020, Technical Memorandum: Projecting Catastrophic Failure Rate of LED Packages (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | Approved
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IES (Illuminating Engineering Society)

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  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

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  PINS Date: Apr 27, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 25, 2020 | Approved

- ANSI/IES TM-32-2019, Lighting Practice: Building Information Management (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 8, 2019 | Approved

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- 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)

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved
IEST (Institute of Environmental Sciences and Technology)

  PINS Date: Jul 13, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Oct 18, 2018 | Approved

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  Public Review Date: Dec 20, 2002 | Final Action Date: Jul 29, 2003 | Approved

  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-7-2004, Cleanrooms and associated controlled environments-Part 7: Separative devices (clean air hoods, gloveboxes, isolators and minienvironments (identical national adoption of ISO 14644-7)
  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-8-2006, Cleanrooms and associated controlled environments - Part 8: Classification of airborne molecular contamination (identical national adoption of ISO 14644-8)
  Public Review Date: Sep 15, 2006 | Final Action Date: Nov 17, 2006 | Approved

  PINS Date: Jun 15, 2012 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

IIAR (International Institute of Ammonia Refrigeration)

  PINS Date: Jan 8, 2021 | Public Review Date: Sep 2, 2022 | Final Action Date: Oct 31, 2022 | Approved

  PINS Date: Feb 10, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

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IIAR (International Institute of Ammonia Refrigeration)

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  PINS Date: Jun 23, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 16, 2019 | Approved

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  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
IKECA (International Kitchen Exhaust Cleaning Association)

  PINS Date: Jan 19, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: Sep 26, 2019 | Approved

INMM (ASC N14) (Institute of Nuclear Materials Management)

  PINS Date: Feb 24, 2017 | Public Review Date: May 10, 2019 | Final Action Date: Dec 5, 2019 | Approved

- ANSI N14.36-2020, Measurement of Radioactive Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013)
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 14, 2020 | Approved

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

- ANSI N14.7-2021, Guidance for Packaging Type A Quantities of Radioactive Materials (revision of ANSI N14.7-2013)
  PINS Date: Apr 21, 2017 | Public Review Date: May 7, 2021 | Final Action Date: Jul 20, 2021 | Approved

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

  PINS Date: Nov 14, 2008 | Public Review Date: Mar 12, 2021 | Final Action Date: May 21, 2021 | Approved

- ANSI N15.36-2021, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay (new standard)
  PINS Date: Jan 15, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 5, 2021 | Approved

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  PINS Date: Nov 14, 2008 | Public Review Date: May 2, 2014 | Final Action Date: Oct 20, 2014 | Approved

  PINS Date: Feb 28, 2014 | Public Review Date: Apr 25, 2014 | Final Action Date: Jun 10, 2015 | Approved

IPC (IPC - Association Connecting Electronics Industries)

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

IREC (Interstate Renewable Energy Council, Inc.)

- 120 Wolf Road, Suite 207, Albany, NY 12203 | www.irecusa.org
ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs (new standard)
PINS Date: Jan 3, 2014 | Public Review Date: Feb 28, 2014 | Final Action Date: Jun 18, 2014 | Approved

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

PINS Date: Aug 8, 2008 | Public Review Date: Jul 25, 2014 | Final Action Date: Jan 28, 2015 | Approved

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

PINS Date: Jan 18, 2013 | Public Review Date: Nov 18, 2016 | Final Action Date: Oct 5, 2017 | Approved

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

ANSI/ISA 100.11a-2011, Wireless Systems for Industrial Automation: Process Control and Related Applications (new standard)
PINS Date: Jul 9, 2010 | Public Review Date: Dec 24, 2010 | Final Action Date: Dec 14, 2011 | Approved

PINS Date: Dec 17, 2010 | Public Review Date: Mar 13, 2015 | Final Action Date: Jul 9, 2015 | Approved

ANSI/ISA 107.01-2013, Industry Standard File Format for Revolution-Based Tip Timing Data (new standard)
PINS Date: Aug 24, 2012 | Public Review Date: Sep 28, 2012 | Final Action Date: Jan 29, 2013 | Approved

ANSI/ISA 18.2-2016, Management of alarm systems for the process industries (revision of ANSI/ISA 18.2-2009)
PINS Date: Jul 25, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

ANSI/ISA 5.1-2022, Instrumentation Symbols and Identification (new standard)
PINS Date: Oct 15, 2021 | Public Review Date: Dec 17, 2021 | Final Action Date: Mar 31, 2022 | Approved

ANSI/ISA 50.00.01-1975 (R2017), Compatibility of Analog Signals for Electronic Industrial Process Instruments (reaffirmation of ANSI/ISA 50.00.01-1975 (R2012))
Public Review Date: Apr 28, 2017 | Final Action Date: Dec 21, 2017 | Approved

ANSI/ISA 61511-1-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and software requirements (identical national adoption of IEC 61511-1 Ed. 2.0)
PINS Date: Apr 15, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved

ANSI/ISA 61511-2-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC-61511-1 (identical national adoption of IEC 61511-2 Ed. 2.0)
PINS Date: Sep 16, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved
ISA (Organization) (International Society of Automation)

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

- 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: Feb 8, 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: Apr 10, 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: Oct 6, 2017 | 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: Jul 27, 2018 | Final Action Date: Sep 21, 2018 | Approved

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

  PINS Date: Feb 16, 2018 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 21, 2018 | Approved

- ANSI/ISA 62453-303-1 (103.00.05)-2018, Field device tool (FDT) interface specification - Part 303-1: Communication profile integration - IEC 61784 CP 3/1 and CP 3/2 (identical national adoption of IEC 62453-303-1 and revision of ANSI/ISA 62453-303-1 (103.00.05)-2011)
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- ANSI/ISA 62453-306 (103.00.07)-2011, Field device tool (FDT) interface specification - Part 306: Communication profile integration - IEC 61784 CPF 6 (national adoption with modifications of IEC 62453-306)
  PINS Date: Sep 4, 2009 | Public Review Date: Oct 8, 2010 | Final Action Date: May 31, 2011 | Approved

- ANSI/ISA 62453-309 (103.00.08)-2018, Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC 62453-309 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)
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- ANSI/ISA 62453-315 (103.00.09)-2018, Field device tool (FDT) interface specification - Part 315: Communication profile integration - IEC 61784 CPF 15 (national adoption of IEC 62453-315 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)
  PINS Date: Jul 20, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 12, 2018 | Approved

- ANSI/ISA 62769-1-2016, Field Device Integration (FDI) - Part 1: Overview (identical national adoption of IEC 62769-1)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-103-1-2016, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS (identical national adoption of IEC 62769-103-1:2015)
  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)
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  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
### ISA (Organization) (International Society of Automation)


- **ANSI/ISA 62769-7-2016, Field Device Integration (FDI) - Part 7: FDI Communication Devices** (identical national adoption of IEC 62769-7:2015)<br>  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)<br>  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)<br>  PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 29, 2021 | Approved

- **ANSI/ISA 67.04.01-2018, Setpoints for Nuclear Safety-Related Instrumentation** (revision of ANSI/ISA 67.04.01-2006 (R2011))<br>  PINS Date: Jul 8, 2016 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 11, 2018 | Approved


- **ANSI/ISA 75.01.01 (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)<br>  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)<br>  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)<br>  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))<br>  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))<br>  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))<br>  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved
<table>
<thead>
<tr>
<th>Approved American National Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISA (Organization) (International Society of Automation)</td>
</tr>
</tbody>
</table>

- ANSI/ISA 75.08.04-2007 (R2013), Face-to-Face Dimensions for Buttweld-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 Buttweld-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

- ANSI/ISA 75.08.06-2002 (R2013), Face-to-Face Dimensions for Separable Flanged Globe-Style Control Valves (Classes 150, 300, and 600) (reaffirmation of ANSI/ISA 75.08.07-2001 (R2007)) 
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.08.07-2001 (R2013), Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-1999 (R2007)) 
  PINS Date: Oct 7, 2011 | Public Review Date: Oct 16, 2015 | Final Action Date: Dec 30, 2015 | Approved

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

- ANSI/ISA 75.10.01-2013, General Requirements for Clamp or Pinch Valves (revision of ANSI/ISA 75.10.01-2008) 
  PINS Date: Nov 9, 2012 | Public Review Date: Oct 4, 2013 | Final Action Date: Dec 20, 2013 | Approved

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

- ANSI/ISA 75.10.03-2015, Installed Face-to-Face Dimensions for Shell and Tube Flanged Pinch Valves (new standard) 
  PINS Date: Apr 11, 2008 | Public Review Date: Oct 31, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/ISA 75.11.01-2013, Inherent Flow Characteristic and Rangeability of Control Valves (revision of ANSI/ISA 75.11.01-1985 (R2002)) 
  PINS Date: Aug 8, 2008 | Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ISA 75.13.01-2013, Method of Evaluating the Performance of Positioners with Analog Input Signals and Pneumatic Output (revision of ANSI/ISA 75.13.01-2007) 
  PINS Date: Oct 7, 2011 | Public Review Date: Sep 6, 2013 | Final Action Date: Dec 2, 2013 | Approved

- ANSI/ISA 75.19.01-2013, Hydrostatic Testing of Control Valves (revision of ANSI/ISA 75.19.01-2007) 
  PINS Date: Oct 7, 2011 | Public Review Date: May 24, 2013 | Final Action Date: Aug 6, 2013 | Approved

- ANSI/ISA 75.25.01-2001 (R2010), Test Procedure for Control Valve Response (reaffirmation of ANSI/ISA 75.25.01-2001) 
  PINS Date: Feb 3, 2006 | Public Review Date: Nov 27, 2009 | Final Action Date: Jun 16, 2010 | Approved

- ANSI/ISA 77.14.01-2022, Fossil Fuel Power Plant Steam Turbine Controls (revision of ANSI/ISA 77.14.01-2010) 
  PINS Date: Mar 14, 2014 | Public Review Date: Mar 22, 2019 | Final Action Date: Jul 12, 2022 | Approved

- ANSI/ISA 77.20.01-2012, Fossil Fuel Power Plant Simulators: Functional Requirements (revision and partition of ANSI/ISA 77.20-2005) 
  PINS Date: Mar 25, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: Feb 22, 2012 | Approved
<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Title</th>
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<tr>
<td>ANSI/ISA 77.41.01-2015</td>
<td>Fossil Fuel Power Plant Boiler Combustion Controls (revision of ANSI/ISA 77.41.01-2010)</td>
</tr>
<tr>
<td>PINS Date</td>
<td>Mar 14, 2014</td>
</tr>
<tr>
<td>Public Review Date</td>
<td>May 22, 2015</td>
</tr>
<tr>
<td>Final Action Date</td>
<td>Oct 27, 2015</td>
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</table>

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

| ANSI/ISA 77.43.01-2014 | Fossil Fuel Power Plant Unit/Plant Demand Development (revision of ANSI/ISA S77.43.01-1994 (R2008)) |
| PINS Date       | Nov 23, 2012 |
| Public Review Date | Sep 26, 2014 |
| Final Action Date | Dec 22, 2014 |
| Approved        |         |

| ANSI/ISA 77.44.01-2007 (R2013) | Fossil Fuel Power Plant - Steam Temperature Controls (reaffirmation of ANSI/ISA 77.44.01-2007) |
| Public Review Date | May 4, 2012 |
| Final Action Date | Mar 7, 2013 |
| Approved        |         |

| ANSI/ISA 77.70.02-2014 | Fossil Fuel Power Plant Instrument Piping Installation (revision of ANSI/ISA 77.70.02-2005 (R2010)) |
| PINS Date       | Mar 14, 2014 |
| Public Review Date | Oct 3, 2014 |
| Final Action Date | Dec 15, 2014 |
| Approved        |         |

| ANSI/ISA 77.82.01-2019 | Selective Catalytic Reduction (SCR) Control Systems (revision of ANSI/ISA 77.82.01-2011) |
| PINS Date       | Dec 18, 2015 |
| Public Review Date | Jan 25, 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        |         |

<p>| 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        |         |</p>
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<tr>
<th>Organization</th>
<th>Standard</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>ISA (Organization)</td>
<td>ANSI/ISA 95.00.08-2020, Enterprise-Control System Integration - Part 8: Information Exchange Profiles</td>
<td>Approved</td>
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<td></td>
<td>PINS Date: Sep 16, 2016</td>
<td>Final Action Date: May 8, 2020</td>
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<td>Public Review Date: Dec 27, 2019</td>
<td></td>
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<td>ANSI/ISA 96.01.01-2019, Valve Actuator Terminology</td>
<td>Approved</td>
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<td>PINS Date: May 19, 2006</td>
<td>Final Action Date: Feb 22, 2021</td>
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<td>Public Review Date: Jul 19, 2019</td>
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<td>ISANTA (International Staple, Nail and Tool Association)</td>
<td>ANSI SNT-101-2015, Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Tools</td>
<td>Approved</td>
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<tr>
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<td>PINS Date: Jul 10, 2009</td>
<td>Final Action Date: Apr 7, 2015</td>
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<tr>
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<td>Public Review Date: Aug 31, 2012</td>
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</tr>
<tr>
<td>ISDI (ASC MH2) (Industrial Steel Drum Institute)</td>
<td>ANSIASC MH2-2018, Standard for Materials Handling (Containers) - Steel Drums and Pails</td>
<td>Approved</td>
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<td>PINS Date: Mar 31, 2017</td>
<td>Final Action Date: Jan 15, 2019</td>
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<td>Public Review Date: Mar 16, 2018</td>
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<td>ISEA (International Safety Equipment Association)</td>
<td>ANSI/ISEA 101-2014 (R2019), Limited-Use and Disposable Coveralls - Size and Labeling Requirements</td>
<td>Approved</td>
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<tr>
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<td>(reaffirmation of ANSI/ISEA 101-2014)</td>
<td>Public Review Date: Oct 7, 2019</td>
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<tr>
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<td>PINS Date: Jul 19, 2019</td>
<td>Final Action Date: Oct 7, 2019</td>
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<td>ANSI/ISEA 105-2016, Hand Protection Classification</td>
<td>Approved</td>
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<td>(revision of ANSI/ISEA 105-2011)</td>
<td>PINS Date: Jun 19, 2015</td>
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<td>Public Review Date: Oct 9, 2015</td>
<td>Final Action Date: Jan 12, 2016</td>
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<td>Date of Submission</td>
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<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
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</thead>
<tbody>
<tr>
<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>
<td>May 12, 2017</td>
<td>Mar 26, 2021</td>
<td>Jul 6, 2021</td>
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<th>Standard Number and Title</th>
<th>Date of Submission</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<table>
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<tr>
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<th>Date of Submission</th>
<th>Public Review Date</th>
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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>
<td>Final Action Date: Jul 7, 2010</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 103-1983 [S2021], Unrecorded Magnetic Tape Minicassette For Information Interchange, Coplanar 3.81 mm (0.150 Inch) (stabilized maintenance of INCITS 103-1983 (R2006))</td>
<td>Public Review Date: Aug 26, 2011</td>
<td>Final Action Date: Dec 29, 2011</td>
<td>Approved</td>
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</tr>
<tr>
<td>INCITS 11-1990 [S2017], General Purpose Paper Cards for Information Processing (stabilized maintenance of INCITS 11-1990 (R2002))</td>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Aug 21, 2007</td>
<td>Approved</td>
<td></td>
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<tr>
<td>INCITS 112-1984 [S2017], 14-inch (356-mm) Diameter and Low Surface Friction Magnetic Storage Disk (stabilized maintenance of INCITS 112-1984 (R2002))</td>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 24, 2007</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 113-1987 [S2018], Information Systems - Programming Language - Full BASIC (stabilized maintenance of INCITS 113-1987 (R2003))</td>
<td>Public Review Date: Feb 22, 2008</td>
<td>Final Action Date: Jun 19, 2008</td>
<td>Approved</td>
<td></td>
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<tr>
<td>INCITS 113a-1989 [S2018], Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC (stabilized maintenance of INCITS 113a-1989 (R2003))</td>
<td>Public Review Date: Feb 22, 2008</td>
<td>Final Action Date: Jun 19, 2008</td>
<td>Approved</td>
<td></td>
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<tr>
<td>INCITS 116-1986 [S2017], Recorded Magnetic Tape Cartridge for Information Interchange 4-Track, Serial 0.250 in (6.30 mm) 6400 BPI (252 BPMM) Inverted Modified Frequency Modulation Encoded (stabilized maintenance of INCITS 116-1986 (R2002))</td>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 24, 2007</td>
<td>Approved</td>
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<tr>
<td>INCITS 118-1998 [S2018], Personal Identification Number - PIN Pad (stabilized maintenance of INCITS 118-1998 (R2003))</td>
<td>Public Review Date: Feb 1, 2008</td>
<td>Final Action Date: Jun 30, 2008</td>
<td>Approved</td>
<td></td>
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<tr>
<td>INCITS 119-1984 [S2017], Contact Start/Stop Storage Disk, 158361 Flux Transitions per Track, 8.268 Inch (210 mm) Outer Diameter and 3.937 Inch (100 mm) Inner Diameter (stabilized maintenance of INCITS 119-1984 (R2002))</td>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 24, 2007</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 120-1984 [S2017], Contact Start/Stop Storage Disk, 95840 Flux Transitions per Track, 7.874 Inch (200 mm) Outer Diameter and 2.500 Inch (63.5 mm) Inner Diameter (stabilized maintenance of INCITS 120-1984 (R2002))</td>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 24, 2007</td>
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<td>125-1985 [S2021]</td>
<td>Two-Sided, Double-Density, Unformatted 5.25 Inch (130 mm) 48-tpi (1.9 tpmm) Flexible Disk Cartridge for 7958 BPR Use (stabilized maintenance of INCITS 125-1985 (R2006))</td>
<td>Approved</td>
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<td></td>
</tr>
<tr>
<td>126-1986 [S2017]</td>
<td>One- and Two-Sided Double Density Unformatted 5.25 Inch (130 mm) 96 Tracks per Inch (3.8 Tracks per mm) Flexible Disk Cartridge - General, Physical, and Magnetic Requirements for 7958 BPR Use (stabilized maintenance of INCITS 126-1986 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
<tr>
<td>127-1987 [S2017]</td>
<td>Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 Inch (6.30 mm), 6400-10 000 ftpi (252-394 ftpmm) (stabilized maintenance of INCITS 127-1987 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
<tr>
<td>136-1986 [S2017]</td>
<td>Serial Recorded Magnetic Tape Cartridge for Information Interchange, Four and Nine Track, 0.250 Inch (6.30 mm), 8000 bpi (315 bppm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 136-1986 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
<tr>
<td>137-1988 [S2018]</td>
<td>Information Systems - One- and Two-sided, Unformatted, 90-mm (3.5-in), 5.3-tppm (135-tpi) Flexible Disk Cartridge for 7958 BPR Use - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 137-1988 (R2004))</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139-1987 [S2017]</td>
<td>Information Systems - Fiber Distributed Data Interface (FDDI) - Token Ring Media Access Control (MAC) (stabilized maintenance of INCITS 139-1987 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Approved American National Standards

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

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Title</th>
<th>Maintenance Details</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
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</thead>
<tbody>
<tr>
<td>INCITS 157-1987</td>
<td>Recorded Magnetic Tape for Information Interchange 0.5 in (12.7 mm)</td>
<td>(stabilized maintenance of INCITS 157-1987 (R2003))</td>
<td>Mar 13, 2008</td>
<td>Jun 19, 2008</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 158-1987</td>
<td>Serial Recorded Magnetic Tape Cassette for Information Interchange - 0.150 in (3.82 mm), 8000 bpi (315 bpm)</td>
<td>(stabilized maintenance of INCITS 158-1987 (R2003))</td>
<td>Feb 22, 2008</td>
<td>Jun 19, 2008</td>
<td>Approved</td>
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<tr>
<td>INCITS 164-1990</td>
<td>Unrecorded Magnetic Tape Cassette for Information Interchange 3.81 mm (0.150 In), 252 to 394 fpm (6400 to 10000 fpi)</td>
<td>(stabilized maintenance of INCITS 164-1990 (R2006))</td>
<td>Aug 26, 2011</td>
<td>Dec 29, 2011</td>
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<tr>
<td>165-1992</td>
<td>Information Systems - Programming Language - DIBOL (stabilized maintenance of INCITS 165-1992 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>166-1989</td>
<td>Fiber Distributed Data Interface (FDDI) Physical Layer, Medium Dependent (PMD) (stabilized maintenance of INCITS 166-1989 (R2005))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-1981</td>
<td>Character Set for Optical Character Recognition (OCR-A) (stabilized maintenance of INCITS 17-1981 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>171-1989</td>
<td>One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements (stabilized maintenance of INCITS 171-1989 (R2005))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>175:1999</td>
<td>19-mm Type ID-1 Recorded Instrumentation - Digital Cassette Tape Form (stabilized maintenance of INCITS 175-1999 (R2008))</td>
<td>Approved</td>
<td></td>
<td></td>
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<tr>
<td>178-1990</td>
<td>Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services (stabilized maintenance of INCITS 178-1990 (R2005))</td>
<td>Approved</td>
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<td></td>
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<tr>
<td>178a-1991</td>
<td>Packet-Switched Signalling System Between Public Networks Providing Data Transmission Services - Addendum (stabilized maintenance of INCITS 178a-1991 (R2005))</td>
<td>Approved</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>179-1990</td>
<td>95-mm Diameter Rigid Digital Recording Disk (stabilized maintenance of INCITS 179-1990 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>18-1974</td>
<td>Punched paper tape - Dimensions and location of feed holes and code holes (stabilized maintenance of INCITS 18-1974 (R2005))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>180-1990</td>
<td>Magnetic Tape and Cartridge for Information Interchange, 18-Track, Parallel, 12.65mm (1/2 in.) 1491 cpmm (37 871 cpi) Group-Coded, Requirements for Recording (stabilized maintenance of INCITS 180-1990 (R2006))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>181-1990</td>
<td>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))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>182-1990</td>
<td>Guideline for Bar Code Print Quality (stabilized maintenance of INCITS 182-1990 (R2002))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>184:1993</td>
<td>Fiber Distributed Data Interface (FDDI) Single Mode Physical Layer Medium Dependent (SMF-PMD) (stabilized maintenance of INCITS 184-1993 (S2008))</td>
<td>Approved</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### ITI (INCITS) (InterNational Committee for Information Technology Standards)

<table>
<thead>
<tr>
<th>Approved American National Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 186-1992 [S2017], Information Systems - Fiber-Distributed Data Interface (FDDI) - Hybrid Ring Control (HRC) (stabilized maintenance of INCITS 186-1992 (R2002))</td>
</tr>
<tr>
<td>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 ft/pmm) and 48-Track, 10,000 ftpi (394 ft/pmm) (stabilized maintenance of INCITS 197-1991 (R2002))</td>
</tr>
<tr>
<td>INCITS 20-1967 [S2020], Take-up Reels for One Inch Perforated Tape for Information Interchange (stabilized maintenance of INCITS 20-1967 (R2005))</td>
</tr>
<tr>
<td>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))</td>
</tr>
<tr>
<td>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-bp/mm) Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 204-1992 (R2002))</td>
</tr>
<tr>
<td>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))</td>
</tr>
<tr>
<td>INCITS 21-1967 [S2017], Rectangular Holes in Twelve-Row Punched Cards (stabilized maintenance of INCITS 21-1967 (R2002))</td>
</tr>
<tr>
<td>ITI (INCITS) (InterNational Committee for Information Technology Standards)</td>
</tr>
<tr>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>INCITS 212-1992 [S2022], Information Systems - 130-mm Rewritable Optical Disk Cartridge for Information Interchange (stabilized maintenance of INCITS 212-1992 (R2007)) Public Review Date: Jun 8, 2012</td>
</tr>
<tr>
<td>INCITS 220-1992 [S2022], 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</td>
</tr>
<tr>
<td>INCITS 222-1997 [S2022], Information technology - High-Performance Parallel Interface - Switch Control (HIPPI-SC) (stabilized maintenance of INCITS 222-1997 (R2007)) Public Review Date: Jun 1, 2012</td>
</tr>
<tr>
<td>INCITS 224-1994 [S2018], Extended Tape Format for Information Interchange, (18-Track, Parallel, 12.65 mm (0.50 in), 1491 cpm (37 871 cpi), Group-Coded Recording) (stabilized maintenance of INCITS 224-1994 (R2004)) Public Review Date: Oct 17, 2008</td>
</tr>
</tbody>
</table>
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 227-1996 [S2021], Recorded Magnetic Tape Mini-Cartridge for Information Interchange - Serial, 0.250 in (6.30 mm) 20 Tracks, 10 000 bpi (394 bppm) and 28-Track, 14 700 bpi (579 bppm), MFM Encoded (stabilized maintenance of INCITS 227-1996 (R2006))
  - Public Review 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))
  - Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 229-1994 [S2018], Fiber Distributed Data Interface (FDDI) Station Management (SMT) (stabilized maintenance of INCITS 229-1994 (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: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

- INCITS 234-1993 [S2018], Information Systems - Test Methods for Media Characteristics - 130-mm Rewritable Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 234-1993 (R2003))
  - Public Review Date: Feb 8, 2008 | Final Action Date: Jun 30, 2008 | Approved

- INCITS 235-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.25 (6.30 mm), 10000 fpi, (394 - 492 fpm) Coercivity 550 oersteds (44000 amperes/meter) (Types 6150, 6250, 6037) (stabilized maintenance of INCITS 235-1995 (R2005))
  - Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

  - Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

  - Public Review Date: Oct 17, 2008 | Final Action Date: Dec 19, 2008 | Approved

  - Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

- INCITS 242-1994 [S2018], Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm) Serial Serpentine, 48-Track, 42 500 bpi (1 673 bpsm). DLT1 Format (stabilized maintenance of INCITS 242-1994 (R2004))
  - Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

- INCITS 243-1996 [S2021], Serial Magnetic Tape Cartridge for Information Interchange, 26 Tracks, 0.250 in (6.35 mm), 16 000 bpi (630 bpsm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 243-1996 (R2006))
  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved
<table>
<thead>
<tr>
<th>ITI (INCITS) (InterNational Committee for Information Technology Standards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 244-1995 [S2020], Information Technology - Test Methods for Media Characteristics - 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 244-1995 (R2005))</td>
</tr>
<tr>
<td>Public Review Date: Oct 16, 2009</td>
</tr>
<tr>
<td>Public Review Date: Aug 26, 2011</td>
</tr>
<tr>
<td>INCITS 246-1994 [S2019], Information Processing Systems - Test Methods for Media Characteristics of 90mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridge with Discrete Block Format (DBF) (stabilized maintenance of INCITS 246-1994 (R2004))</td>
</tr>
<tr>
<td>Public Review Date: Nov 7, 2008</td>
</tr>
<tr>
<td>Public Review Date: Aug 26, 2011</td>
</tr>
<tr>
<td>INCITS 249-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10 000 - 14 700 fpti (394 579 fppmm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005))</td>
</tr>
<tr>
<td>Public Review Date: Feb 12, 2010</td>
</tr>
<tr>
<td>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))</td>
</tr>
<tr>
<td>Public Review Date: Aug 26, 2011</td>
</tr>
<tr>
<td>INCITS 251-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 fppi (787 fppm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))</td>
</tr>
<tr>
<td>Public Review Date: Feb 12, 2010</td>
</tr>
<tr>
<td>Public Review Date: Aug 26, 2011</td>
</tr>
<tr>
<td>Public Review Date: Jun 9, 2017</td>
</tr>
<tr>
<td>INCITS 257-1997 [S2022], Information Technology - FDDI Station Management-2 Common Services (SMT-2-CS) (stabilized maintenance of INCITS 257-1997 (R2007))</td>
</tr>
<tr>
<td>Public Review Date: Jul 6, 2012</td>
</tr>
<tr>
<td>INCITS 258-1997 [S2022], Fibre Distributed Data Interface (FDDI) - Station Management-2 - Isochronous Services (SMT-2-IS) (stabilized maintenance of INCITS 258-1997 (R2007))</td>
</tr>
<tr>
<td>Public Review Date: Jul 6, 2012</td>
</tr>
<tr>
<td>Public Review Date: Jul 6, 2012</td>
</tr>
<tr>
<td>INCITS 261-1996 [S2021], Extended Magnetic Tape Format for Information Interchange 36-track, Parallel Serpentine, 12.65 mm (0.50 in), 1491 cpm (37 871 cpi) Group-Coded Recording (stabilized maintenance of INCITS 261-1996 (R2006))</td>
</tr>
<tr>
<td>Public Review Date: Aug 26, 2011</td>
</tr>
</tbody>
</table>
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  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

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

- INCITS 265-1995 [S2021], Unrecorded Magnetic Tape Cartridge for Information Interchange, 36-Track, Parallel Serpentine, Extended Length, 12.57 mm (0.495 in), 1944 ftpm (49 378 fpi), Group-Coded Recording (stabilized maintenance of INCITS 265-1995 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

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

- INCITS 267-1996 [S2021], Helical-Scan Digital Computer Tape Cartridge, 12.65 mm (0.498 in) for Information Interchange (stabilized maintenance of INCITS 267-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 273-1997 [S2022], Information Technology - CASE Tool Integration Messages (stabilized maintenance of INCITS 273-1997 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 274-1996 [S2018], Information Technology - Programming Language REXX (stabilized maintenance of INCITS 274-1996 (R2007))
  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

- INCITS 278-1997 [S2022], Information Technology - Fibre distributed data interface (FDDI) - Physical Layer Repeater Protocol (PHY-REP) (stabilized maintenance of INCITS 278-1997 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 280-1996 [S2021], Data Compression Algorithm Adaptive Lossless Data Compression (ALDC), Algorithm for Information Interchange (stabilized maintenance of INCITS 280-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- INCITS 282-1996 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm) Serial Serpentine, 128-Track, 62 500 bpi (2460 bphm), DLT3 Format (stabilized maintenance of INCITS 282-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 284-2011 [R2021], Information Technology - Identification Cards - Health Care Identification Cards (reaffirmation of INCITS 284-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 286-1997 [S2022], Information Technology - Abstract Test Suite for FDDI Station Management Conformance Testing (FDDI SMT ATS) (stabilized maintenance of INCITS 286-1997 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  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 [S2022], 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

  Public Review Date: Feb 1, 2013 | Final Action Date: Apr 12, 2013 | Approved

  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved
<table>
<thead>
<tr>
<th>ITI (INCITS) (InterNational Committee for Information Technology Standards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Review Date: Jul 27, 2018</td>
</tr>
<tr>
<td>Public Review Date: Apr 6, 2012</td>
</tr>
<tr>
<td><strong>INCITS 308-1997 [S2022], Information Technology - Serial Storage Architecture - Transport Layer 2 (SSA-TL2) (stabilized maintenance of INCITS 308-1997 (R2007))</strong></td>
</tr>
<tr>
<td>Public Review Date: Apr 6, 2012</td>
</tr>
<tr>
<td>Public Review Date: Apr 6, 2012</td>
</tr>
<tr>
<td><strong>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])</strong></td>
</tr>
<tr>
<td>Public Review Date: Aug 2, 2019</td>
</tr>
<tr>
<td><strong>INCITS 310-1998 [S2018], Information technology - Representation of Time for Information Interchange (stabilized maintenance of INCITS 310:1998 [R2013])</strong></td>
</tr>
<tr>
<td>Public Review Date: Jul 27, 2018</td>
</tr>
<tr>
<td><strong>INCITS 311:1998 [S2013], Magnetic Tape Format for Information Interchange, 128-Track, Parallel Serpentine, 12.65 mm (1/2 in), 3400 bpcm (86 360 bpi) Run Length Limited Recording (stabilized maintenance of INCITS 311-1998 (R2008))</strong></td>
</tr>
<tr>
<td>Public Review Date: Jun 7, 2013</td>
</tr>
<tr>
<td><strong>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))</strong></td>
</tr>
<tr>
<td>Public Review Date: Jun 7, 2013</td>
</tr>
<tr>
<td><strong>INCITS 314-1998 [S2013], Information technology - SCSI-3 Medium Changer Commands (SMC) (stabilized maintenance of INCITS 314-1998 (R2008))</strong></td>
</tr>
<tr>
<td>Public Review Date: Feb 1, 2013</td>
</tr>
<tr>
<td><strong>INCITS 315:1998 [S2013], Unrecorded magnetic tape cartridge for information interchange, 12.65 mm (0.498in), 128-track, parallel serpentine, 2550 fpm (64 770 fpi) (stabilized maintenance of INCITS 315-1998 (R2008))</strong></td>
</tr>
<tr>
<td>Public Review Date: Jun 7, 2013</td>
</tr>
<tr>
<td><strong>INCITS 318-1998 (S2013), Information technology - SCSI Controller Commands - 2 (SCC-2) (stabilized maintenance of INCITS 318-1998 (R2008))</strong></td>
</tr>
<tr>
<td>Public Review Date: Feb 1, 2013</td>
</tr>
<tr>
<td><strong>INCITS 319-1998 [S2022], Information Technology - Programming Languages - Smalltalk (stabilized maintenance of INCITS 319-1998 (R2007))</strong></td>
</tr>
<tr>
<td>Public Review Date: Jul 6, 2012</td>
</tr>
<tr>
<td><strong>INCITS 320:1998 [R2013], Information technology - Spatial Data Transfer (reaffirmation of INCITS 320-1998 (R2008))</strong></td>
</tr>
<tr>
<td>Public Review Date: Feb 15, 2013</td>
</tr>
<tr>
<td>Standard Number</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>INCITS 323-1998/AM 1-2001</td>
</tr>
<tr>
<td>INCITS 329-2000</td>
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<tr>
<td>INCITS 330-2000</td>
</tr>
<tr>
<td>INCITS 332-1999</td>
</tr>
<tr>
<td>INCITS 334-2000</td>
</tr>
</tbody>
</table>
### ITI (INCITS) (InterNational Committee for Information Technology Standards)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
<th>Status</th>
<th>Action Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 34-1972 [S2020], Interchange Rolls of Perforated Tape for Information Interchange (stabilized maintenance of INCITS 34-1972 (R2005))</td>
<td>Public Review Date: Feb 12, 2010</td>
<td>Final Action Date: Jul 7, 2010</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 344-2001 [S2021], Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format (stabilized maintenance of INCITS 344-2001 (R2006))</td>
<td>Public Review Date: Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5. in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format (stabilized maintenance of INCITS 345-2001 (R2006))</td>
<td>Public Review Date: Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 357-2002 [S2022], Information technology - Fibre Channel Virtual Interface Architecture Mapping Protocol (FC-VI) (stabilized maintenance of INCITS 357-2002 (R2007))</td>
<td>Public Review Date: Jun 1, 2012</td>
<td>Final Action Date: Aug 14, 2012</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 358-2002 [R2022], Information technology - BioAPI Specification (Version 1.1) (reaffirmation of INCITS 358-2002 (R2017))</td>
<td>Public Review Date: May 13, 2022</td>
<td>Final Action Date: Sep 1, 2022</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 359-2012 [R2022], Information technology - Role Based Access Control (reaffirmation of INCITS 359-2012 (R2017))</td>
<td>Public Review Date: May 13, 2022</td>
<td>Final Action Date: Aug 29, 2022</td>
<td>Approved</td>
</tr>
<tr>
<td>INCITS 360-2002 [S2017], Information Technology -SCSI Multimedia Commands - 3 (MMC-3) (stabilized maintenance of INCITS 360:2002 (R2012))</td>
<td>Public Review Date: Jun 9, 2017</td>
<td>Final Action Date: Dec 29, 2017</td>
<td>Approved</td>
</tr>
</tbody>
</table>
**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

<p>| INCITS 365-2002 [R2022], Information Technology - SCSI RDMA Protocol (SRP) (reaffirmation of INCITS 365-2002 [R2017]) | Public Review Date: May 13, 2022 | Final Action Date: Sep 1, 2022 | Approved |
| INCITS 368-2003 [S2018], Information technology - SCSI Passive Interconnect Performance (PIP) (stabilized maintenance of INCITS 368:2003 [R2013]) | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| INCITS 375-2004 [R2018], Information technology - Serial Bus Protocol 3 (SBP-3) (reaffirmation of INCITS 375:2004 [R2013]) | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| 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]) | Public Review Date: Aug 2, 2019 | Final Action Date: Nov 1, 2019 | Approved |</p>
<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Title</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 381-2009 [S2019]</td>
<td>Information Technology - Finger Image Based Data Interchange Format (stabilized maintenance of INCITS 381-2009 [R2014])</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 383-2008 [R2018]</td>
<td>Information Technology - Biometric Profile - Interoperability and Data Interchange - Biometrics Based Verification and Identification of Transportation Workers (reaffirmation of INCITS 383:2008 [R2013])</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 399-2004 [S2014]</td>
<td>Information technology - Fibre Channel Switch Application Programming Interface (FC-SWAPI) (stabilized maintenance of INCITS 399:2004 [R2009])</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 4-1986 [R2022]</td>
<td>Information Systems - Coded Character Sets - 7- Bit Standard Code for Information Interchange (7-Bit ASCII) (reaffirmation of INCITS 4-1986 [R2017])</td>
<td>Approved</td>
<td></td>
</tr>
<tr>
<td>INCITS 40-1993 [S2018]</td>
<td>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])</td>
<td>Approved</td>
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</tr>
</tbody>
</table>
### ITI (INCITS) (InterNational Committee for Information Technology Standards)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
<th>Status</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 409.4-2006</td>
<td>Information technology - Biometric Performance Testing and Reporting - Part 4: Operational Testing Methodologies (reaffirmation of INCITS 409.4-2006 [R2016])</td>
<td>Approved</td>
<td>Apr 9, 2021</td>
<td>Aug 27, 2021</td>
<td></td>
</tr>
<tr>
<td>INCITS 419-2008</td>
<td>Information technology - Fibre Channel Backbone (FC-BB-4) (stabilized maintenance of INCITS 419:2008 [R2013])</td>
<td>Approved</td>
<td>Jul 27, 2018</td>
<td>Dec 6, 2018</td>
<td></td>
</tr>
</tbody>
</table>
Approved American National Standards

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

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

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

- INCITS 423.4-2009 [S2019], Information Technology - Conformance Testing Methodology Standard for Biometric Data Interchange Format Standards- Part 4: Conformance Testing Methodology for INCITS 381-2004, Finger Image-Based Data Interchange Format (stabilized maintenance of INCITS 423.4-2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 4, 2019 | Approved

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- INCITS 426-2007 [S2017], Information technology - Fibre Channel Security Protocols (FC-SP) (stabilized maintenance of INCITS 426:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

- INCITS 427-2007 [S2017], Information technology - Fibre Channel Generic Services-5 (FC-GS-5) (stabilized maintenance of INCITS 427:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

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- INCITS 431-2007 [R2022], Information technology - SCSI/ATA Translation (SAT) (reaffirmation of INCITS 431-2007 [R2017])
  Public Review Date: May 13, 2022 | Final Action Date: Sep 1, 2022 | Approved

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

  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved
<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
<th>Approval Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCITS 434-2007 [R2022]</td>
<td>Information technology - Tenprint Capture Using BioAPI (reaffirmation of INCITS 434-2007 [R2017])</td>
<td>Public Review Date: May 13, 2022</td>
</tr>
<tr>
<td>INCITS 437-2008 (S2018)</td>
<td>Information technology - Fibre Channel - SATA Tunneling Protocol (FC-SATA) (stabilized maintenance of INCITS 437:2008 [R2013])</td>
<td>Public Review Date: Jul 27, 2018</td>
</tr>
<tr>
<td>INCITS 443-2008 [S2018]</td>
<td>Information technology - Fibre Channel Storage Network PING (SNPing) (stabilized maintenance of INCITS 443:2008 [R2013])</td>
<td>Public Review Date: Jul 27, 2018</td>
</tr>
<tr>
<td>INCITS 446-2008 [R2018]</td>
<td>Information Technology - Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone (reaffirmation of INCITS 446:2008 [R2013])</td>
<td>Public Review Date: Jul 27, 2018</td>
</tr>
</tbody>
</table>
Approved American National Standards

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

- INCITS 452-2009 [R2019], Information technology - AT Attachment-8 ATA/ATAPI Command Set (ATA8-ACS) (reaffirmation of INCITS 452-2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Oct 29, 2019 | Approved

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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])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 1, 2019 | Approved

- INCITS 457-2010 [R2020], Information Technology - Serial Attached SCSI - 2 (SAS-2) (reaffirmation of INCITS 457-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | Approved

- INCITS 458-2011 [R2021], Information Technology - SCSI Object-Based Storage Device Commands-2 (OSD-2) (reaffirmation of INCITS 458-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 459-2011 [R2021], Information Technology - Requirements for the Implementation and Interoperability of Role Based Access Control (reaffirmation of INCITS 459-2011 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

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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])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- INCITS 461-2010 [S2020], Information technology - Fibre Channel - Switch Fabric - 5 (FC-SW-5) (stabilized maintenance of INCITS 461-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS 462-2010 [S2020], Information Technology - Fibre Channel - Backbone - 5 (FC-BB-5) (stabilized maintenance of INCITS 462-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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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])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS 464-2010 [S2020], Information Technology - Information Management - Extensible Access Method (XAM) (stabilized maintenance of INCITS 464-2010 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved
<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Description</th>
<th>Approval Status</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
</tr>
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<tbody>
<tr>
<td>INCITS 468-2010/AM1-2012 [R2022]</td>
<td>Information technology - Multi-media Command Set - 6 (MMC-6) - Amendment 1 (reaffirmation of INCITS 468-2010/AM1-2012 [R2017])</td>
<td>Approved</td>
<td>May 13, 2022</td>
<td>Sep 1, 2022</td>
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<td>Standard Number</td>
<td>Description</td>
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<tr>
<td>INCITS 478-2011/AM 1-2014</td>
<td>Information technology - Serial Attached SCSI - 2.1 (SAS-2.1) - Amendment 1 (reaffirmation of INCITS 478-2011/AM 1-2014)</td>
<td>Approved</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INCITS 479-2011</td>
<td>Information Technology - Fibre Channel - Physical Interface-5 (FC-PI-5) (stabilized maintenance of INCITS 479-2011 [R2016])</td>
<td>Approved</td>
<td></td>
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<td>INCITS 479-2011/AM 1-2016</td>
<td>Information Technology - Fibre Channel - Physical Interface - 5/Amendment 1 (FC-PI-5/AM1) (reaffirmation of INCITS 479-2011/AM 1-2016)</td>
<td>Approved</td>
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<tr>
<td>INCITS 48-1986</td>
<td>Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bphm (800 bpi), PE (includes ANSI X3.48/TC-1-1995) (stabilized maintenance of INCITS 48-1986 (R2002))</td>
<td>Approved</td>
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<td></td>
</tr>
<tr>
<td>INCITS 48-1986/TC 1:1995</td>
<td>Information Systems - Magnetic Tape Cassette for Information Interchange (3.81 mm, 0.150 in) Tape at 32 bphm (800 BPI), Phase Enclosed - Technical Corrigendum 1 (stabilized maintenance of INCITS 48:1986/TC:1:1995 (R2006))</td>
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<td>INCITS 480-2011</td>
<td>Information technology - BIOS Enhanced Disk Drive Services - 4 (EDD-4) (stabilized maintenance of INCITS 480-2011 [R2016])</td>
<td>Approved</td>
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<td>INCITS 480-2011/AM1-2015</td>
<td>Information technology - BIOS Enhanced Disk Drive Specification - 4 (EDD-4) - Amendment 1 (supplement to ANSI INCITS 480-2011)</td>
<td>Approved</td>
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</tr>
<tr>
<td>INCITS 481-2011</td>
<td>Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (reaffirmation of INCITS 481-2011 [R2016])</td>
<td>Approved</td>
<td></td>
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<tr>
<td>INCITS 481-2011/AM1-2018</td>
<td>Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) - Amendment 1 (addenda to INCITS 481-2011 [R2016])</td>
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<tr>
<td>INCITS 482-2012</td>
<td>Information technology - ATA/ATAPI Command Set - 2 (ACS-2) (reaffirmation of INCITS 482-2012 [R2017])</td>
<td>Approved</td>
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<tr>
<td>INCITS 483-2012</td>
<td>Information Technology - Virtualization Management Specification (stabilized maintenance of INCITS 483-2012 [R2017])</td>
<td>Approved</td>
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<tr>
<td>INCITS 484-2012</td>
<td>Information Technology – SCSI Media Changer Commands - 3 (reaffirmation of INCITS 484-2012 [R2017])</td>
<td>Approved</td>
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<tr>
<td>INCITS 487-2018</td>
<td>Information technology - Fibre Channel - Link Services - 3 (FC-LS-3) (new standard)</td>
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<td>Standard Number</td>
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<td>INCITS 488-2016 [R2021]</td>
<td>Information Technology - Fibre Channel - Framing And Signaling - 4 (FC-FS-4) (reaffirmation of INCITS 488-2016)</td>
<td></td>
<td></td>
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<tr>
<td>INCITS 489-2014 [R2019]</td>
<td>Information technology - SCSI over PCIe (RTM) architecture (SOP) (reaffirmation of INCITS 489-2014)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>INCITS 493-2012 [R2022]</td>
<td>Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012 [R2017])</td>
<td></td>
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<td></td>
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<tr>
<td>INCITS 494-2012 [R2022]</td>
<td>Information technology - Role Based Access Control - Policy Enhanced (reaffirmation of INCITS 494-2012 [R2017])</td>
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<td>INCITS 496-2012 [S2022]</td>
<td>Information Technology - Fibre Channel - Security Protocols - 2 (FC-SP-2) (stabilized maintenance of INCITS 496-2012 [R2017])</td>
<td></td>
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<tr>
<td>INCITS 497-2012 [R2022]</td>
<td>Information Technology – Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012 [R2017])</td>
<td></td>
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PINS Date: Apr 11, 2014 | Public Review Date: Dec 30, 2016 | Final Action Date: Jan 3, 2018 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 501-2016 [R2021], Information technology - Security Features for SCSI Commands (SFSC) (reaffirmation of INCITS 501-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 502-2019, Information technology - SCSI Primary Commands - 5 (SPC-5) (new standard)
  PINS Date: Apr 13, 2012 | Public Review Date: Jul 5, 2019 | Final Action Date: Dec 31, 2019 | Approved

- INCITS 503-2022, Information technology - SCSI Stream Commands - 5 (SSC-5) (new standard)
  PINS Date: Apr 13, 2012 | Public Review Date: Sep 10, 2021 | Final Action Date: Feb 15, 2022 | Approved

- 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)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 504-1:2013 [R2018], Information technology – Generic Identity Command Set –(GICS) - Part 1: Card Application Command Set (reaffirmation of INCITS 504-1-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 504-2-2013 [R2018], Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504:2:2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 504-2-2013/AM 1-2016 [R2021], Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set - Amendment 1 (supplement to INCITS 504-2:2013)
  PINS Date: Mar 28, 2014 | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

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- INCITS 504-3-2016 [R2021], Information Technology -Generic Identity Command Set Part 3: GICS Platform Testing Requirements (reaffirmation of INCITS 504-3-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 504-4-2013 [R2018], Information technology - Generic Identity Command Set (GICS) - Part 4: Card Application Profile Template (reaffirmation of INCITS 504-4-2013)
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- INCITS 506-2021, Information technology - SBC-4 (SCSI Block Commands - 4) (new standard)
  PINS Date: Oct 26, 2012 | Public Review Date: Nov 13, 2020 | Final Action Date: Jul 6, 2021 | Approved

- 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)
  Public Review Date: Aug 2, 2019 | Final Action Date: Dec 9, 2019 | Approved
<table>
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<tr>
<th>Standard Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Review Date: May 13, 2022</td>
<td>Final Action Date: Sep 8, 2022</td>
</tr>
<tr>
<td>INCITS 511-2016 [R2021]</td>
<td>Information Technology - Fibre Channel - Switch Fabric - 6 (FC-SW-6) (reaffirmation of INCITS 511-2016)</td>
</tr>
<tr>
<td>Public Review Date: Apr 9, 2021</td>
<td>Final Action Date: Aug 27, 2021</td>
</tr>
<tr>
<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Oct 15, 2020</td>
</tr>
<tr>
<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Oct 8, 2020</td>
</tr>
<tr>
<td>INCITS 514-2014 [R2019]</td>
<td>Information technology - SCSI Block Commands - 3 (SBC-3) (reaffirmation of INCITS 514-2014)</td>
</tr>
<tr>
<td>Public Review Date: Aug 2, 2019</td>
<td>Final Action Date: Dec 10, 2019</td>
</tr>
<tr>
<td>Public Review Date: Apr 9, 2021</td>
<td>Final Action Date: Aug 27, 2021</td>
</tr>
<tr>
<td>INCITS 516-2013 [R2018]</td>
<td>Information technology - SCSI Stream Commands (SSC-4) (reaffirmation of INCITS 516-2013)</td>
</tr>
<tr>
<td>Public Review Date: Jul 27, 2018</td>
<td>Final Action Date: Dec 31, 2018</td>
</tr>
<tr>
<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Oct 8, 2020</td>
</tr>
<tr>
<td>Public Review Date: May 13, 2022</td>
<td>Final Action Date: Sep 1, 2022</td>
</tr>
<tr>
<td>INCITS 519-2014 [R2019]</td>
<td>Information technology - Serial Attached SCSI-3 (SAS-3) (reaffirmation of INCITS 519-2014)</td>
</tr>
<tr>
<td>Public Review Date: Aug 2, 2019</td>
<td>Final Action Date: Dec 16, 2019</td>
</tr>
<tr>
<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 24, 2007</td>
</tr>
<tr>
<td>INCITS 522-2014 [R2020]</td>
<td>Information Technology - ATA/ATAPI Command Set - 3 (ACS-3) (reaffirmation of INCITS 522-2014)</td>
</tr>
<tr>
<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Oct 8, 2020</td>
</tr>
<tr>
<td>INCITS 522-2014/AM 1-2018, Information technology - ATA/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (supplement to INCITS 522-2014)</td>
<td></td>
</tr>
<tr>
<td>PINS Date: Mar 10, 2017</td>
<td>Public Review Date: Aug 24, 2018</td>
</tr>
<tr>
<td>INCITS 524-2016 [R2021]</td>
<td>Information Technology - AT Attachment 8 - ATA/ATAPI Parallel Transport (ATA8-APT) (reaffirmation of INCITS 524-2016)</td>
</tr>
<tr>
<td>Public Review Date: Apr 9, 2021</td>
<td>Final Action Date: Aug 9, 2021</td>
</tr>
<tr>
<td><strong>INCITS</strong></td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
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<tr>
<td>526:2016</td>
<td>Information technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS) (new standard)</td>
</tr>
<tr>
<td>528-2013</td>
<td>Information Technology - Common Building Blocks Specification (reaffirmation of INCITS 528-2013)</td>
</tr>
<tr>
<td>529-2018</td>
<td>Information Technology - ATA/ATAPI Command Set - 4 (ACS-4) (new standard)</td>
</tr>
<tr>
<td>53-1976</td>
<td>Programming Language PL/I (stabilized maintenance of INCITS 53-1976 (R2004))</td>
</tr>
<tr>
<td>530-2013</td>
<td>Information Technology - Architecture for Managed Computing Systems (reaffirmation of INCITS 530-2013)</td>
</tr>
<tr>
<td>531-2013</td>
<td>Information Technology - Systems Management Discovery for Managed Computer Systems (reaffirmation of INCITS 531-2013)</td>
</tr>
<tr>
<td>532:2014</td>
<td>Information Technology - Vocabulary Description and Management (reaffirmation of INCITS 532-2014)</td>
</tr>
<tr>
<td>533-2016</td>
<td>Information Technology - Fibre Channel - Physical Interface - 6P (FC-PI-6P) (reaffirmation of INCITS 533-2016)</td>
</tr>
<tr>
<td>534-2019</td>
<td>Information technology - Serial Attached SCSI - 4 (SAS-4) (new standard)</td>
</tr>
<tr>
<td>536-2016</td>
<td>Information technology – Zoned Block Commands (ZBC) (reaffirmation of INCITS 536-2016)</td>
</tr>
<tr>
<td>536-2016/AM 1-2019</td>
<td>Information technology - Zoned Block Commands - Amendment 1 (ZBC-AM 1) (addenda to INCITS 536-2016)</td>
</tr>
<tr>
<td>537-2016</td>
<td>Information technology Zoned Device ATA Command Set (ZAC) (reaffirmation of INCITS 537-2016)</td>
</tr>
<tr>
<td>537-2016/AM 1-2019</td>
<td>Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (addenda to INCITS 537-2016)</td>
</tr>
<tr>
<td>538-2018</td>
<td>Information technology - SAS Protocol Layer - 4 (SPL-4) (new standard)</td>
</tr>
</tbody>
</table>
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 539-2016 [R2021], Information Technology - Management Of Security Credentials (reaffirmation of INCITS 539-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 54-1986 [S2017], Recorded Magnetic Tape for Information Interchange (6250 CPI, Group Coded Recording) (stabilized maintenance of INCITS 54-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 540-2018, Information technology - Fibre Channel - Non-Volatile Memory Express (NVMe) (new standard)
  PINS Date: Jun 6, 2014 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 5, 2018 | Approved

  PINS Date: Jun 1, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Apr 30, 2019 | Approved

- INCITS 542-2022, Information technology - Automation/Drive Interface Transport Protocol - 3 (ADT-3) (new standard)
  PINS Date: Aug 22, 2014 | Public Review Date: Nov 26, 2021 | Final Action Date: Jul 11, 2022 | Approved

- INCITS 543-2019, Information technology - Fibre Channel - Physical Interfaces - 7 (FC-PI-7) (new standard)
  PINS Date: Nov 28, 2014 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 15, 2019 | Approved

- INCITS 544-2018, Information technology - Fibre Channel - Single Byte Command Code Sets - 6 (FC-SB-6) (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Dec 2, 2016 | Final Action Date: Jun 12, 2018 | Approved

- INCITS 545-2019, Information technology - Fibre Channel - Framing and Signaling - 5 (FC-FS-5) (new standard)
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- INCITS 546-2021, Information technology - SCSI Architecture Model - 6 (SAM-6) (new standard)
  PINS Date: Jun 5, 2015 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 15, 2021 | Approved

- INCITS 547-2020, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7) (new standard)
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- INCITS 548-2020, Information technology - Fibre Channel - Generic Services - 8 (FC-GS-8) (new standard)
  PINS Date: Oct 30, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 2, 2020 | Approved

- INCITS 549-2022, Information technology - Zoned Device ATA Command Set - 2 (ZAC-2) (new standard)
  PINS Date: Apr 1, 2016 | Public Review Date: Dec 3, 2021 | Final Action Date: Jun 23, 2022 | Approved

- INCITS 55-1992 [S2017], Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.250 Inch (6.30 mm), 1600 bpi (63 bppm), Phase Encoded (stabilized maintenance of INCITS 55-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

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- INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4) (new standard)
  PINS Date: Jun 10, 2016 | Public Review Date: Oct 4, 2019 | Final Action Date: Sep 28, 2020 | Approved

- INCITS 555-2020, Information technology - SCSI Enclosure Services - 4 (SES-4) (new standard)
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- INCITS 556-2020, Fibre Channel – Non-Volatile Memory Express - 2 (FC-NVMe - 2) (new standard)
  PINS Date: Feb 24, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: May 28, 2020 | Approved
<table>
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<th>Standard Number</th>
<th>Title</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<tr>
<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>
<td>Apr 2, 2007</td>
<td>Jul 24, 2007</td>
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<tr>
<td>INCITS 572-2021</td>
<td>Information technology - UAS-3 USB Attached SCSI – 3 (UAS-3) (new standard)</td>
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<td>Jan 1, 2021</td>
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<td>INCITS 89-1981</td>
<td>Unrecorded Single-Disk Double-Density Cartridge (Front Loading, 2200</td>
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Approved American National Standards

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

  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved

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<td>PINS Date: Feb 18, 2022</td>
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**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

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  - Public Review Date: Sep 2, 2011 | Final Action Date: Dec 21, 2011 | Approved

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

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- 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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  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 5654-1:1984 [S2020], Information processing - Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 fprad, 1,9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 5654-1:1984 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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

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- INCITS/ISO 7065-1:1985 [S2020], Information Processing - Data Interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording, 13 262 ftpm, 1.9 tpi (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 ftpm, 1.9 tpi (48 tpi), on Both Sides - Part 2: Track Format A (stabilized maintenance of INCITS/ISO 7487-2-1985 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 23, 2012 | Approved

  Public Review Date: Aug 19, 2011 | Final Action Date: Dec 14, 2011 | Approved

- INCITS/ISO 8630-1:1987 [S2020], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible disk cartridges using modified frequency modulation recording at 13 262 ftpm, 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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  Public Review Date: Aug 22, 2014 | Final Action Date: Nov 21, 2014 | Approved

- INCITS/ISO 9529-2-1989 [S2012], Information Processing Systems - Data Interchange on 90 mm (3.5 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 15 916 ftpm, on 80 tracks on each side - Part 2: Track Format (stabilized maintenance of INCITS/ISO 9529-2-1989 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- INCITS/ISO 9542:1988 (R2017), Information processing systems -- Telecommunications and information exchange between systems -- End system to Intermediate system routing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) (reaffirm a national adoption INCITS/ISO 9542:1988 (R2012))
  Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

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

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<td>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</td>
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<td>Information technology - Telecommunications and information exchange between systems - Private Integrated Services Network - Circuit mode bearer services - Inter-exchange signalling procedures and protocol</td>
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

  (stabilized maintenance of INCITS/ISO/IEC 11579:1:1994 [R2010])  
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  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS/ISO/IEC 11581-6:1999 [S2016], Information technology - User system interfaces and symbols - Icon symbols and functions - Part 6: Action Icons  
  (stabilized maintenance of INCITS/ISO/IEC 11581-6-1999 [R2011])  
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  (reaffirm a national adoption INCITS/ISO/IEC 11693-1:2012 [2014])  
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  (identical national adoption of ISO/IEC 11693-2:2009)  
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  (reaffirm a national adoption INCITS/ISO/IEC 11694-1:2012 [2014])  
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  (reaffirm a national adoption INCITS/ISO/IEC 11694-4:2008 [2011])  
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- INCITS/ISO/IEC 11694-4:2008 [R2021], Identification cards -- Optical memory cards -- Linear recording method -- Part 4: Logical data structures  
  (reaffirm a national adoption INCITS/ISO/IEC 11694-4:2008 [2016])  
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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

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 20, 2020 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: May 22, 2020 | Final Action Date: Oct 20, 2020 | Approved

- 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 90m length tapes (stabilized maintenance of INCITS/ISO/IEC 12248:1993 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12862:2011 [R2019], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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

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

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

- INCITS/ISO/IEC 13403:1995 [S2019], Information Technology - Information Interchange on 300 mm Optical Disk Cartridges of the Write Once, Read Multiple (WORM) Type Using the CCS Method (stabilized maintenance of INCITS/ISO/IEC 13403-1995 (R2004))
  Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved

  Public Review Date: Feb 8, 2008 | Final Action Date: Jun 19, 2008 | Approved

  Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved

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  Public Review Date: May 13, 2022 | Final Action Date: Aug 29, 2022 | Approved
## ITI (INCITS) (InterNational Committee for Information Technology Standards)

- **INCITS/ISO/IEC 13614:1995** [S2019], 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))
  - Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved

  - Public Review Date: Aug 28, 2015 | Final Action Date: Dec 23, 2015 | Approved

  - Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

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

  - PINS Date: Jun 28, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 22, 2019 | 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])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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Approved American National Standards

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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))
  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 14, 2011 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 9, 2019 | Approved

- INCITS/ISO/IEC 15404:2000 [R2018], Information technology -- Office machines -- Minimum information to be included in specification sheets -- Facsimile equipment (reaffirm a national adoption INCITS/ISO/IEC 15404:2000 [R201x])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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INCITS/ISO/IEC 15486:1998 [S2020], Information Technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 2,6 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 15486-1998 (R2005))
Public Review Date: Oct 16, 2009 | Final Action Date: Jan 4, 2010 | Approved

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- 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))
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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))
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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 22051:2002 [S2016], Information technology - Data interchange on 12,7 mm, 448-track magnetic tape cartridges - SDLT1 format (stabilized maintenance of INCITS/ISO/IEC 22051:2002 [R2008])
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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)
PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

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- INCITS/ISO/IEC 23000-7:2008 [R2019], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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INCITS/ISO/IEC 23360-4-3:2021 [2022], Linux Standard Base (LSB) - Part 4-3: Desktop specification for AMD64 (X86-64) architecture (identical national adoption of ISO/IEC 23360-4-3:2021 and revision of INCITS/ISO/IEC 23360-4:2006 [R2020])
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INCITS/ISO/IEC 23651:2003 [S2018], Information technology -- 8 mm wide magnetic tape cartridge for information interchange -- Helical scan recording -- AIT-3 format (stabilized maintenance of INCITS/ISO/IEC 23651:2003 [R2013])
Public Review Date: Jul 27, 2018 | Final Action Date: Dec 6, 2018 | Approved
### ITI (INCITS) (InterNational Committee for Information Technology Standards)

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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 26925:2009 [R2019], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW HS format - Capacity: 4.7 Gbytes and 1.46 Gbytes per side (recording speed 8X) (reaffirm a national adoption INCITS/ISO/IEC 26925:2009 [R2014])
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<tr>
<td>INCITS/ISO 29136:2012 [R2022], Information Technology - User Interfaces - Accessibility Of Personal Computer Hardware (reaffirmation of INCITS/ISO/IEC 29136:2012 [R2017])</td>
<td>Public Review Date: May 13, 2022</td>
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<td>INCITS/ISO/IEC 29192-6:2019</td>
<td>Lightweight cryptography - Part 6: Message authentication codes (MACs)</td>
<td>Jul 27, 2018</td>
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<td>INCITS/ISO/IEC 29192-7:2019</td>
<td>Lightweight cryptography - Part 7: Broadcast authentication protocols</td>
<td>May 29, 2020</td>
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- INCITS/ISO/IEC 29642:2009 [R2019], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4x) (reaffirm a national adoption INCITS/ISO/IEC 29642:2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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<td>Information technology -- Data interchange on 130 mm (5,25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 1,9 tpm (48 tpi), on both sides -- ISO type 202 -- Part 1: Dimensional, physical and magnetic characteristics</td>
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- **INCITS/ISO/IEC 8630-2-1987** [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 ft/min, on 80 Tracks on Each Side - Part 2: Track format A for 77 Tracks (stabilized maintenance of INCITS/ISO/IEC 8630-2-1987 (R2007))
  - Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- **INCITS/ISO/IEC 8630-3-1987** [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 13 262 ft/min, on 80 Tracks on Each Side - Part 3: Track Format B for 80 Tracks (stabilized maintenance of INCITS/ISO/IEC 8630-3-1987 (R2007))
  - Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

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Advanced American National Standards

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# Approved American National Standards

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### ITSDSF (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**  (revision 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

- **ANSI/ITSDF B56.1a-2018, Safety Standard Low Lift and High Lift Trucks**  (addenda to ANSI/ITSDF B56.1-2016)
  - PINS Date: Mar 23, 2018 | Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved
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## LIA (ASC Z136) (Laser Institute of America)

- **ANSI Z136.4-2021**, Standard Recommended Practice for Laser Safety Measurements for Classification and Hazard Evaluation (new standard)  
  PINS Date: Sep 28, 2012 | Public Review Date: May 1, 2020 | Final Action Date: Feb 4, 2021 | Approved

- **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

  PINS Date: Nov 10, 2006 | Public Review Date: May 17, 2013 | Final Action Date: Aug 6, 2013 | Approved

## MHI (Material Handling Industry)

  PINS Date: Oct 2, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 7, 2021 | Approved

  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

  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: Mar 18, 2022 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 28, 2022 | Approved
MHI (Material Handling Industry)

  PINS Date: Mar 18, 2022 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 28, 2022 | Approved

  PINS Date: Mar 18, 2022 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 28, 2022 | Approved

  PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Dec 19, 2019 | Approved

- ANSI MH31.2-2021, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (new standard)
  PINS Date: Dec 21, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 24, 2021 | Approved

- ANSI/MH32.1-2018, Stairs, Ladders, and Open-Edge Guards for Use with Material Handling Structures (new standard)
  PINS Date: May 11, 2018 | Public Review Date: Jun 22, 2018 | Final Action Date: Nov 30, 2018 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Nov 30, 2018 | Approved

  PINS Date: Dec 21, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Jul 29, 2019 | Approved

  PINS Date: Nov 10, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Jul 11, 2018 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Aug 4, 2017 | Final Action Date: Jun 11, 2018 | Approved

MHI (ASC MHC) (Material Handling Industry)

- ANSI MH1-2021, Pallets, Slip Sheets, and Other Bases for Unit Loads (revision of ANSI MH1-2019)
  PINS Date: Sep 25, 2020 | Public Review Date: Feb 5, 2021 | Final Action Date: May 7, 2021 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

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

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

- ANSI MH10.8.2-2016, Data Identifier and Application Identifier Standard (revision of ANSI MH10.8.2-2010)
  Public Review Date: Jan 22, 2016 | Final Action Date: Jun 10, 2016 | Approved

- ANSI MH10.8.2-2021, Data Identifiers (revision of ANSI MH10.8.2-2016)
  Public Review Date: Nov 27, 2020 | Final Action Date: Feb 11, 2021 | Approved
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)

  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

NAAMM (National Association of Architectural Metal Manufacturers)

- ANSI/NAAMM HMMA 801-2012 (R2018), Glossary of Terms for Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 801-2012)
  PINS Date: May 5, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Jun 29, 2018 | Approved
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<th>Date of Approval</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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NALFA (North American Laminate Flooring Association)

- ANSI/NALFA LF-03-2019, Flooring Underlayment Specifications and Test Methods (new standard)
  PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved

NAPSA (North American Power Sweeping Association)

  PINS Date: Aug 24, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

NASBLA (National Association of State Boating Law Administrators)

- ANSI/NASBLA 100-2022, Basic Boating Knowledge - Core (new standard)
  PINS Date: Jul 12, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Feb 10, 2022 | Approved

  PINS Date: Jul 12, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Feb 10, 2022 | Approved

  PINS Date: Jul 12, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Feb 10, 2022 | Approved

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

  PINS Date: Jul 12, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Feb 10, 2022 | Approved

NASPO (North American Security Products Organization)

  PINS Date: Mar 4, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity (new standard)
  PINS Date: Mar 24, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Mar 8, 2018 | Approved

  PINS Date: Jun 6, 2014 | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 2, 2015 | Approved

- ANSI/NASPO SD 01-2014, Minimum security requirements for security documents (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 24, 2014 | Approved

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)

  Public Review Date: Aug 28, 2020 | Final Action Date: Jan 4, 2021 | Approved
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NCPDP (National Council for Prescription Drug Programs)

  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

  PINS Date: Sep 29, 2017 | Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

- ANSI/NCPDP Medical Rebate Standard v02.01-2013, NCPDP Medical Rebate Data Submission Standard v02.01 (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v01.00-2011)
  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP Medical Rebate Standard v02.02-2014, NCPDP Medical Rebate Data Submission Implementation Guide v02.02-201x (revision and redesignation of ANSI/NCPDP Medical Rebate Standard v02.01-2013)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

- ANSI/NCPDP MR v06.01-2013, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v06.01-201x (revision and redesignation of ANSI/NCPDP MR v06.00-2013)
  Public Review Date: Dec 14, 2012 | Final Action Date: Oct 17, 2013 | Approved

- ANSI/NCPDP MR v07.00-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.00-201x (revision and redesignation of ANSI/NCPDP MR v06.01-2013)
  Public Review Date: Jun 14, 2013 | Final Action Date: Feb 28, 2014 | Approved

- ANSI/NCPDP MR v07.01-2014, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard (revision and redesignation of ANSI/NCPDP MR v07.00-2014)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- ANSI/NCPDP MR v07.02-2018, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.02-201x (revision and redesignation of ANSI/NCPDP MR v07.01-2014)
  Public Review Date: Sep 8, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI/NCPDP MR v07.03-2019, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v07.03 (revision and redesignation of ANSI/NCPDP MR v07.02-2018)
  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved

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  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved
## NCPDP (National Council for Prescription Drug Programs)

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## NCPDP (National Council for Prescription Drug Programs)

  - 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: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  - Public Review Date: Dec 6, 2013 | Final Action Date: Aug 5, 2014 | Approved

  - Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- **ANSI/NCPDP Prescription Transfer Standard v3.2-2013, NCPDP Prescription File Transfer Standard v3.2-201x**
  - 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

  - 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
Approved American National Standards

NCPDP (National Council for Prescription Drug Programs)

  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

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  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

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NCPDP (National Council for Prescription Drug Programs)

- 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 WG110060201xxx#)
  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 2, 2016 | Final Action Date: Jan 31, 2017 | Approved

  Public Review Date: Mar 10, 2017 | Final Action Date: Aug 24, 2017 | Approved

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### NCPDP (National Council for Prescription Drug Programs)

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<td>May 19, 2022</td>
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<td>Jan 24, 2018</td>
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# NCPDP (National Council for Prescription Drug Programs)

- **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

  - Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/NCPDP TC vF8-2021, NCPDP Telecommunication Standard Version F8** (revision and redesignation of ANSI/NCPDP TC vF7-2021)
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  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved
NCPDP (National Council for Prescription Drug Programs)

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  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

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NEBB (National Environmental Balancing Bureau)

  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

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NECA (National Electrical Contractors Association)

- ANSI/NECA 1-2006 (R2015), Standard for Good Workmanship in Electrical Construction (reaffirmation of ANSI/NECA 1-2006 (R2010))
  PINS Date: Oct 10, 2014 | Public Review Date: Jan 16, 2015 | Final Action Date: Jun 17, 2015 | Approved

- ANSI/NECA 100-2006 (R2013), Symbols for Electrical Construction Drawings (reaffirmation of ANSI/NECA 100-2006)
  PINS Date: Apr 13, 2012 | Public Review Date: Jan 18, 2013 | Final Action Date: Mar 26, 2013 | Approved
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<td>ANSI/NECA 305-2018, Standard for Fire Alarm System Job Practices</td>
<td>PINS Date: May 27, 2016</td>
<td>Final Action Date: Apr 25, 2018</td>
</tr>
<tr>
<td>ANSI/NECA 331-2020, Standard for Installing Building Service Entrance Grounding</td>
<td>PINS Date: Jul 6, 2018</td>
<td>Final Action Date: Mar 24, 2020</td>
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<tr>
<td>ANSI/NECA 402-2020, Standard for Installing and Maintaining Motor Control Centers</td>
<td>PINS Date: Jun 21, 2019</td>
<td>Final Action Date: Mar 24, 2020</td>
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<tr>
<td>ANSI/NECA 404-2014, Standard for Installing Generator Sets</td>
<td>Public Review Date: Sep 20, 2013</td>
<td>Final Action Date: Feb 28, 2014</td>
</tr>
<tr>
<td>ANSI/NECA 407-2015, Standard for Installing and Maintaining Panelboards</td>
<td>PINS Date: Jul 4, 2014</td>
<td>Final Action Date: Mar 12, 2015</td>
</tr>
<tr>
<td>ANSI/NECA 408-2015, Standard for Installing and Maintaining Busways</td>
<td>PINS Date: Jul 4, 2014</td>
<td>Final Action Date: Apr 20, 2015</td>
</tr>
<tr>
<td>ANSI/NECA 409-2015, Standard for Installing and Maintaining Dry-Type Transformers</td>
<td>PINS Date: Aug 1, 2014</td>
<td>Final Action Date: Aug 3, 2015</td>
</tr>
<tr>
<td>ANSI/NECA 410-2013, Standard for Installing and Maintaining Liquid-Filled Transformers</td>
<td>PINS Date: Jul 9, 2010</td>
<td>Final Action Date: Aug 26, 2013</td>
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<tr>
<td>Standard Number</td>
<td>Title</td>
<td>Date of Revision</td>
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<tr>
<td>ANSI/NECA/NACMA 120-2018</td>
<td>Standard for Installing Armored Cable (Type AC) and Type Metal-Clad (MC) Cable</td>
<td>(revision of ANSI/NECA 120-2012)</td>
</tr>
</tbody>
</table>
NEMA (National Electrical Manufacturers Association)

- ANSI/NEMA 250-2020, Enclosures for Electrical Equipment (1,000 Volts Maximum) (revision of ANSI/NEMA 250 -2008)
  PINS Date: May 17, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 8, 2020 | Approved

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  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-1-2013, Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry (identical national adoption of IEC 62321-3-1:2013)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-3-2-2020, Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC) (identical national adoption of IEC 62321-3-2:2020)
  PINS Date: Nov 6, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Feb 11, 2022 | Approved

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-5-2013, Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS (identical national adoption of IEC 62321-5:2013)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-7-1-2015, Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method (identical national adoption of IEC 62321-7-1:2015)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- ANSI/NEMA 62321-7-2-2017, Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method (identical national adoption of IEC 62321-7-2:2017)
  PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved
## Approved American National Standards

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### NEMA (National Electrical Manufacturers Association)

  - PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  - PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

  - PINS Date: Jul 24, 2020 | Public Review Date: Nov 6, 2020 | Final Action Date: Feb 11, 2022 | Approved

- **ANSI/NEMA AB 3-2013**, Molded Case Circuit Breakers and Their Application (new standard)
  - PINS Date: Aug 31, 2012 | Public Review Date: Nov 2, 2012 | Final Action Date: Feb 25, 2013 | Approved

- **ANSI/NEMA FB-1-2014**, Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing and Cable (revision of ANSI/NEMA FB-1-2012)
  - Public Review Date: Jul 25, 2014 | Final Action Date: Oct 29, 2014 | Approved

  - PINS Date: Mar 8, 2019 | Public Review Date: May 10, 2019 | Final Action Date: Jul 9, 2019 | Approved

- **ANSI/NEMA IM 60000-2021**, Industrial Laminating Thermosetting Products (new standard)
  - PINS Date: Feb 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

  - PINS Date: Jun 3, 2022 | Public Review Date: Jul 15, 2022 | Final Action Date: Sep 19, 2022 | Approved

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  - PINS Date: May 29, 2020 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 7, 2021 | Approved

- **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 11, 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
NEMA (National Electrical Manufacturers Association)

  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

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NEMA (ASC C119) (National Electrical Manufacturers Association)

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  PINS Date: Nov 13, 2015 | Public Review Date: Jan 13, 2017 | Final Action Date: Mar 16, 2017 | Approved

- ANSI C119.4-2022, Electric Connectors—Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C (revision of ANSI C119.4-2016)
  PINS Date: Jun 5, 2020 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 25, 2022 | Approved

- ANSI C119.5-2018, Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2009)
  PINS Date: Nov 13, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 21, 2018 | Approved

- ANSI C119.6-2018, Electric ConnectorsNon-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
## NEMA (ASC C12) (National Electrical Manufacturers Association)

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- **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

  - 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 C12.30-2022, Test Requirements for: Meters Equipped with Service Switches** (new standard)
  - PINS Date: Oct 29, 2021 | Public Review Date: Oct 7, 2022 | Final Action Date: Dec 5, 2022 | Approved

- **ANSI C12.32-2021, Electricity Meters for the Measurement of DC Energy** (new standard)
  - PINS Date: May 17, 2021 | Public Review Date: Jan 15, 2022 | 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 C12.7-2022, Requirements for Watthour Meter Sockets** (revision of ANSI C12.7-2005 (R2014))
  - PINS Date: Aug 9, 2019 | Public Review Date: Aug 5, 2022 | Final Action Date: Nov 17, 2022 | Approved

  - Public Review Date: Mar 12, 2021 | Final Action Date: Jun 8, 2021 | Approved

- **ANSI C12.9-2014 (R2021), Test Switches and Plugs for Transformer-Rated Meters** (reaffirmation of ANSI C12.9-2014)
  - PINS Date: Aug 9, 2019 | Public Review Date: May 21, 2021 | Final Action Date: Aug 5, 2021 | Approved

- **ANSI IEC 62056-6-2 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-2: COSEM Interface Classes** (identical national adoption of IEC 62056-6-2 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

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

- **ANSI/IEC 62056-6-1 ED3-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-1: Object Identification System (OBIS)** (identical national adoption of IEC 62056-6-1 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-8-20 ED 1.0-2019, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 8-20: Mesh communication profile for neighborhood networks** (identical national adoption of IEC TS 62056-8-20 ED 1)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved
NEMA (ASC C12) (National Electrical Manufacturers Association)

- ANSI/IEC 62056-9-7 ed 1.0-2019, Electricity Metering Data Exchange - Communication profile for TCP-UDP/IP networks. (identical national adoption of IEC 62056-9-7 ED 1.0)
  PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

NEMA (ASC C136) (National Electrical Manufacturers Association)

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

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  PINS Date: Aug 7, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Oct 27, 2017 | Approved

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

  PINS Date: Apr 26, 2019 | Public Review Date: Jun 28, 2019 | Final Action Date: Aug 13, 2019 | Approved

- ANSI C136.13-2020, Metal Brackets for Wood Poles (revision of ANSI C136.13-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 20, 2020 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

- ANSI C136.16-2019, ANS for Roadway and Area Lighting Equipment - Post Top-Mounted Luminaires (revision of ANSI C136.16-2014)
  PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Aug 8, 2019 | Approved

  PINS Date: Aug 26, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Jun 6, 2017 | Approved

  PINS Date: Jan 23, 2015 | Public Review Date: Apr 13, 2018 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Feb 7, 2022 | Approved

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- ANSI C136.24-2020, For Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))
  PINS Date: Jul 11, 2014 | Public Review Date: Jan 17, 2020 | Final Action Date: Feb 24, 2020 | Approved

- ANSI C136.25-2019, Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2013)
  PINS Date: Dec 28, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Dec 9, 2019 | Approved

  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 19, 2020 | Approved

- ANSI C136.27-2021, for Roadway and Area Lighting EquipmentTunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012)
  PINS Date: Oct 6, 2017 | Public Review Date: Jan 15, 2021 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Jun 3, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Jun 6, 2017 | Approved

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- 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 Equipmentâ€”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 EquipmentEnclosed 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
NEMA (ASC C136) (National Electrical Manufacturers Association)

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- 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

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- 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

- ANSI C136.5-1989 (S2019), Film Cutouts  (stabilized maintenance of ANSI C136.5-1989 (R2013))
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- 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)
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- ANSI C136.56-2022, For Roadway and Area Lighting Equipment Standard Finishes  (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Aug 19, 2022 | Final Action Date: Dec 8, 2022 | Approved

- ANSI C136.57-2022, Wall Pack Luminaires for Exterior Lighting  (new standard)
  PINS Date: Jun 25, 2021 | Public Review Date: Aug 19, 2022 | Final Action Date: Dec 8, 2022 | Approved
NEMA (ASC C136) (National Electrical Manufacturers Association)

- ANSI C136.58-2019, Luminaire Four-Pin Extension Module and Receptacle - Physical and Electrical Interchangeability and Testing (new standard)
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- 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 EquipmentSocket Support Assemblies for Metal Heads Mechanical Interchangeability (stabilized maintenance of ANSI C136.9-2004 (R2018))
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- ANSI C137.2-2019, Standard for Lighting Systems - Cybersecurity Requirements for Lighting Systems for Parking Facilities (new standard)
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- ANSI C137.3-2017 (R2022), Standard for Lighting Systems-Minimum Requirements for installation of Energy Efficient Power over Ethernet (PoE) Lighting Systems (reaffirmation of ANSI C137.3-2017)
  Public Review Date: Jul 15, 2017 | Final Action Date: Oct 12, 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

- ANSI/C137.63103-2021, Standard for Lighting SystemsNon-Active Mode Power Measurement (national adoption with modifications of IEC 63103, ed1.0 (2020-07))
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NEMA (ASC C18) (National Electrical Manufacturers Association)

  (revision of ANSI C18.1M, Part 2-2017)  
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- ANSI C18.2M, Part 2-2021, Portable Nickel Rechargeable Cells and Batteries Safety Standard  
  (revision of ANSI C18.2M, Part 2-2014)  
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- ANSI C18.4M-2017, Standard for Portable Cells and Batteries - Environmental  
  (revision of ANSI C18.4-2015)  
  PINS Date: Apr 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI C18.5M Part 1-2020, Standard for Portable Lithium Rechargeable Cells and Batteries - General and Specifications  
  (revision and partition of ANSI C18.2M, Part 1-2013)  
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NEMA (ASC C29) (National Electrical Manufacturers Association)

  (revision of ANSI C29.1-1988 (R2012))  
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Jan 8, 2018 | Approved

- ANSI C29.10-2017, Wet Process Porcelain Insulators - Indoor Apparatus Type  
  (revision of ANSI C29.10-1989 (R2012))  
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

- ANSI C29.11-2020, Composite Insulators Test Methods  
  (revision of ANSI C29.11-2012)  
  PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: May 5, 2020 | Approved

- ANSI C29.12-2020, Composite Insulators Transmission Suspension Type  
  (revision of ANSI C29.12-2013)  
  PINS Date: Mar 22, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.13-2018, Composite Insulators Distribution Deadend Type  
  (revision of ANSI C29.13-2012)  
  PINS Date: Feb 2, 2018 | Public Review Date: Apr 6, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI C29.17-2013, Standard for Insulators-Composite-Line Post Type  
  (new standard)  
  PINS Date: Jul 27, 2012 | Public Review Date: Sep 14, 2012 | Final Action Date: Oct 3, 2013 | Approved

- ANSI C29.18-2013, Standard for Composite Insulators -Distribution Line Post Type  
  (revision of ANSI C29.18-2003)  
  PINS Date: Aug 3, 2012 | Public Review Date: Sep 21, 2012 | Final Action Date: May 28, 2013 | Approved

- ANSI C29.19-2020, Composite Insulators Station Post Type  
  (new standard)  
  PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.2A-2020, Wet Process Porcelain and Toughened Glass Distribution Suspension Type  
  (revision of ANSI C29.2A-2013)  
  Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.2B-2013, Standard for Insulators - Wet Process Porcelain and Toughened Glass - Transmission Suspension Type  
  (new standard)  
  PINS Date: Mar 8, 2013 | Public Review Date: Apr 5, 2013 | Final Action Date: May 30, 2013 | Approved
### NEMA (ASC C29) (National Electrical Manufacturers Association)

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### NEMA (ASC C37) (National Electrical Manufacturers Association)

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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 (S2022), For Electric Lamps—Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases  (stabilized maintenance of ANSI C78.1403-1997 (R2016))
Public Review Date: Jul 9, 2021 | Final Action Date: Jul 18, 2022 | Approved
### NEMA (ASC C78) (National Electrical Manufacturers Association)

- **ANSI C78.1431-1997 (S2022)**, For Electric Lamps—Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY 5.3 Bases (stabilized maintenance of ANSI C78.1431-1997 (R2016))
  - Public Review Date: Jul 9, 2021 | Final Action Date: Jul 18, 2022 | Approved

- **ANSI C78.1432-1997 (S2018)**, Standard for electric lamps—Tungsten-Halogen Lamps with GZ9.5 Two-Pin, Prefocus Bases and 36.5mm Nominal Light Center Length (stabilized maintenance of ANSI C78.1432-1997 (R2011))
  - Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

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

- **ANSI C78.1434-2001 (S2018)**, Standard Electric Lamps Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases (stabilized maintenance of ANSI C78.1434-2001 (R2011))
  - Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

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

  - Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- **ANSI C78.1451-2002 (S2018)**, Standard For Electric Lamps--Use of Protective Shields with Tungsten-Halogen Lamps Cautionary Notice (stabilized maintenance of ANSI C78.1451-2002 (R2011))
  - Public Review Date: Oct 20, 2017 | Final Action Date: Jun 8, 2018 | Approved

- **ANSI C78.1452-2004 (S2020)**, For Electric Lamps – Projection Lamps – Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015))
  - Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- **ANSI C78.1460-2004 (S2020)**, For Electric Lamps Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015))
  - Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

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

- **ANSI C78.180-2003 (S2022)**, For Electric Lamps—Specifications for Fluorescent Lamp Starters (stabilized maintenance of ANSI C78.180-2003 (R2016))
  - Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

  - PINS Date: Jun 30, 2017 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

- **ANSI C78.21-2022, Standard -- Incandescent lamps: PAR and R Shapes** (revision of ANSI C78.21-2011 (R2016))
  - PINS Date: May 21, 2021 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

  - Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved
### Approved American National Standards

**NEMA (ASC C78) (National Electrical Manufacturers Association)**

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<tr>
<td>ANSI C78.30-1997 (S2018)</td>
<td>Standard for electric lamps: Procedure for Use in Preparation of Lamp Space Drawings (stabilized maintenance of ANSI C78.30-1997 (R2011))</td>
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<td>Feb 9, 2018</td>
<td>Jun 8, 2018</td>
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<td>ANSI C78.376-2014 (R2021)</td>
<td>For electric lamps: Specifications for the Chromaticity of Fluorescent Lamps (reaffirmation of ANSI C78.376-2014)</td>
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<td>May 29, 2020</td>
<td>May 6, 2021</td>
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NEMA (ASC C78) (National Electrical Manufacturers Association)

  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

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

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

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

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

- ANSI C78.43-2022, ANS for Electric Lamps - Single-Ended Metal Halide Lamps (revision of ANSI C78.43-2017)
  PINS Date: Oct 26, 2018 | Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

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

- ANSI C78.45-2016 (R2022), For Electric Lamps: Self-ballasted Mercury Lamps (reaffirmation of ANSI C78.45-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

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

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

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

  Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI C78.53-2019, ANS For Electric Lamps, Performance Specifications for Direct Replacement LED (Light Emitting Diode) Lamps (new standard)
  PINS Date: Sep 5, 2014 | Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI C78.54-2019, Standard for Electric Lamps - Specification Sheet for Tubular Fluorescent Replacement and Retrofit LED Lamps (new standard)
  PINS Date: Jan 5, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jan 11, 2019 | Approved

- ANSI C78.55-2020, Standard for Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (new standard)
  PINS Date: Jun 14, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 27, 2020 | Approved
### NEMA (ASC C78) (National Electrical Manufacturers Association)

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<td>ANSI C78.62035-2016-R2022</td>
<td>For Electric Lamps—Discharge Lamps (Excluding Fluorescent Lamps)—Safety Specifications</td>
<td>(reaffirmation of ANSI C78.62035-2016)</td>
<td>Public Review Date: Jul 9, 2021</td>
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<td>ANSI C78.62612-2018</td>
<td>Standard for Electric Lamps -- Self-ballasted LED Lamps Performance Specifications</td>
<td>(new standard)</td>
<td>PINS Date: Jun 30, 2017</td>
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<td>ANSI C78.62717-2018</td>
<td>Standard for Electric Lamps--LED modules for general lighting Performance Requirements</td>
<td>(new standard)</td>
<td>PINS Date: Jun 30, 2017</td>
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<td>ANSI C78.79-2014-R2020</td>
<td>ANS for Electric Lamps - Nomenclature for Envelope Shapes Intended for use with Electric Lamps</td>
<td>(reaffirmation of ANSI C78.79-2014)</td>
<td>Public Review Date: Jul 12, 2019</td>
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<td>ANSI C78.81-2016-R2022</td>
<td>For Electric Lamps—Double-Capped Fluorescent Lamps—Dimensional and Electrical Characteristics</td>
<td>(reaffirmation of ANSI C78.81-2016)</td>
<td>Public Review Date: Jul 9, 2021</td>
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<tr>
<td>ANSI C78.901-2016-R2022</td>
<td>For Electric Lamps—Single-Based Fluorescent Lamps—Dimensional and Electrical Characteristics</td>
<td>(reaffirmation of ANSI C78.901-2016)</td>
<td>Public Review Date: Jul 9, 2021</td>
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NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.3LL4-2003 (S2018), Standard for Electric Lamps--Procedures for Incandescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.3LL4-2003 (R2011))
  - Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

NEMA (ASC C8) (National Electrical Manufacturers Association)

  - PINS Date: Apr 8, 2016 | Public Review Date: Dec 21, 2018 | Final Action Date: Jun 25, 2019 | Approved

  - PINS Date: Dec 4, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Jan 26, 2021 | Approved

  - PINS Date: Mar 12, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

- ANSI ICEA P-124-736-2021, Code Words for 600V Underground Distribution Cable (new standard)
  - PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-127-737-2021, Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables (new standard)
  - PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-32-382-2006 (R2018), Short Circuit Characteristics of Insulated Conductors (reaffirmation of ANSI/ICEA P-32-382-2006 (R2013))
  - Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

  - PINS Date: Sep 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Aug 14, 2020 | Approved

  - PINS Date: Dec 16, 2016 | Public Review Date: Jan 12, 2018 | Final Action Date: May 15, 2018 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: Jun 21, 2019 | Final Action Date: Aug 26, 2019 | Approved

  - PINS Date: Apr 26, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 2, 2020 | Approved

  - PINS Date: May 18, 2018 | Public Review Date: Jun 11, 2021 | Final Action Date: Jul 27, 2021 | Approved

  - PINS Date: Jan 5, 2018 | Public Review Date: Feb 16, 2018 | Final Action Date: Mar 16, 2018 | Approved

  - Public Review Date: Mar 16, 2018 | Final Action Date: May 15, 2018 | Approved
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NEMA (ASC C8) (National Electrical Manufacturers Association)

- ANSI ICEA S-92-675-2021, Coaxial And Coaxial/Twisted Pair Hybrid Aerial Service Wires Technical Requirements
  (revision of ANSI ICEA S-92-675-2011)
  PINS Date: Dec 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 23, 2021 | Approved

- ANSI ICEA S-94-649-2021, Concentric Neutral Cables Rated 5 Through 46 kV
  (revision of ANSI/ICEA S-94-649-2013)
  PINS Date: Apr 26, 2019 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 5, 2021 | Approved

  (revision of ANSI/ICEA T-28-562-2003 (R2014))
  PINS Date: May 28, 2021 | Public Review Date: Oct 1, 2021 | Final Action Date: Nov 29, 2021 | Approved

- ANSI ICEA T-31-610-2018, Test Method For Conducting Longitudinal Water Penetration Resistance Tests on Blocked Conductors
  (revision of ANSI/ICEA T-31-610-2014)
  PINS Date: Jan 26, 2018 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 13, 2018 | Approved

- ANSI ICEA T-34-664-2018, Test Method For Conducting Longitudinal Water Penetration Resistance Tests on Longitudinal Water Blocked Cables
  (revision of ANSI/ICEA T-34-664-2014)
  PINS Date: Jan 26, 2018 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 7, 2018 | Approved

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

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

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

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

- ANSI NEMA WC 27500-2020, Standard for Aerospace and Industrial Electrical Cable
  (revision of ANSI/NEMA WC 27500-2015)
  PINS Date: May 18, 2018 | Public Review Date: May 15, 2020 | Final Action Date: Oct 1, 2020 | Approved

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

- ANSI NEMA WC 57/ICEA S-73-532-2021, Standard for Control, Thermocouple, Extension And Instrumentation Cables
  (revision of ANSI/NEMA WC 57/ICEA S-73-532-2014)
  PINS Date: Jun 18, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Dec 6, 2021 | Approved

  (new standard)
  PINS Date: Dec 19, 2014 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  (reaffirmation of ANSI/NEMA WC 71/ICEA S-96-659-2014)
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NEMA (ASC C8) (National Electrical Manufacturers Association)

  PINS Date: Jan 28, 2022 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 29, 2022 | Approved

- ANSI NEMA WC 75-2022, Standard for Controlled Impedance in Internal Electrical Cable (revision of ANSI/NEMA WC 75-2015)
  PINS Date: Aug 2, 2019 | Public Review Date: Feb 25, 2022 | Final Action Date: Apr 15, 2022 | Approved

- ANSI NEMA WC76-2018, Standard for Controlled Impedance Shielded Twisted Pairs in Internal Electrical Cable (new standard)
  PINS Date: May 26, 2017 | Public Review Date: Jun 9, 2017 | Final Action Date: Sep 20, 2018 | Approved

- ANSI/ICEA P-45-482-2017, Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (new standard)
  PINS Date: Sep 9, 2016 | Public Review Date: Dec 23, 2016 | Final Action Date: Jun 6, 2017 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Jan 2, 2015 | Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2016 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Dec 3, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Jul 3, 2015 | Final Action Date: Jul 7, 2016 | Approved

- ANSI/ICEA S-121-733-2016, Tree Wire and Messenger Supported Spacer Cable (new standard)
  PINS Date: Apr 22, 2016 | Public Review Date: Jun 17, 2016 | Final Action Date: Sep 23, 2016 | Approved

  Public Review Date: Jun 21, 2019 | Final Action Date: Aug 12, 2019 | Approved

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  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 23, 2021 | Approved
# NEMA (ASC C8) (National Electrical Manufacturers Association)

  Public Review Date: Nov 4, 2016 | Final Action Date: Apr 26, 2017 | Approved

- ANSI/ICEA S-87-640-2016, Standard for Optical Fiber Outside Plant Communications Cable  (revision of ANSI/ICEA S-87-640-2011)  
  PINS Date: Apr 15, 2016 | Public Review Date: Jun 10, 2016 | Final Action Date: Aug 25, 2016 | Approved

  PINS Date: Sep 7, 2012 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 19, 2013 | Approved

  PINS Date: May 16, 2014 | Public Review Date: Apr 3, 2015 | Final Action Date: Mar 14, 2016 | Approved

  Public Review Date: Dec 14, 2018 | Final Action Date: Jul 25, 2019 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/NEMA HP 3-2021, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts)  (revision of ANSI/NEMA HP 3-2011)  
  PINS Date: Aug 16, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 2, 2021 | Approved

- ANSI/NEMA HP 9-2014 (R2021), Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V)  (reaffirmation of ANSI/NEMA HP 9-2014)  
  PINS Date: Jul 26, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 9, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Aug 2, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 22, 2020 | Approved

- ANSI/NEMA WC 66/ICEA S-166-732-2019, Title: Standard for Category 6 and 6A, 100 Ohm Individually, unsheilded twisted pairs, indoor cables (with or without an overall shield) for use in LAN Communication Wire systems  (revision of ANSI/NEMA WC 66/ICEA S-116-732-2013)  
  PINS Date: May 18, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 30, 2019 | Approved

  PINS Date: Jul 26, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | Approved

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  PINS Date: Apr 24, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 23, 2017 | Approved
<table>
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<th><strong>NEMA (ASC C80) (National Electrical Manufacturers Association)</strong></th>
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| ANSI C80.1-2020, Electric Rigid Steel Conduit  (revision of ANSI C80.1-2015)  
PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved |
| ANSI C80.3-2020, Electrical Metallic Tubing Steel (EMT-S)  (revision of ANSI C80.3-2015)  
PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved |
| ANSI C80.5-2020, Electrical Rigid Metal Conduit Aluminum (ERMC-A)  (revision of ANSI C80.5-2015)  
PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved |
| ANSI C80.6-2018, Electrical Intermediate Metal Conduit  (new standard)  
PINS Date: Jun 12, 2009 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 7, 2018 | Approved |

<table>
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| ANSI C81.61-2019, Standard for Electrical Lamp Bases  Specifications for Bases (Caps) for Electric Lamps  (revision of ANSI C81.61-2017)  
PINS Date: Jun 30, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved |
PINS Date: Jun 30, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved |
PINS Date: Feb 9, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved |
| ANSI C81.64-2005 (S2020), ANS for Guidelines and General Information for Electric Lamp Bases, Lampholders and Gauges  (stabilized maintenance of ANSI C81.64-2005 (R2014))  
Public Review Date: Feb 14, 2020 | Final Action Date: Apr 3, 2020 | Approved |

<table>
<thead>
<tr>
<th><strong>NEMA (ASC C82) (National Electrical Manufacturers Association)</strong></th>
</tr>
</thead>
</table>
| ANSI C82.1-2004 (S2020), Standard For Lamp Ballast - Line Frequency Fluorescent Lamp Ballast  (stabilized maintenance of ANSI C82.1-2004 (R2015))  
Public Review Date: Jan 24, 2020 | Final Action Date: Apr 3, 2020 | Approved |
| ANSI C82.11-2017, Lamp Ballasts - High Frequency Fluorescent Lamp Ballasts  (revision of ANSI C82.11-2011)  
PINS Date: Jun 10, 2016 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 23, 2017 | Approved |
| ANSI C82.13-2020, Standard For Lamp Ballasts -- Definitions - for Fluorescent Lamps and Ballasts  (revision of ANSI C82.13-2002 (R2010))  
PINS Date: Dec 25, 2015 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved |
| ANSI C82.14-2016 (R2022), Standard for Lamp Ballasts—Low-Frequency Square Wave Electronic Ballasts—for Metal Halide Lamps  (reaffirmation of ANSI C82.14-2016)  
Public Review Date: May 28, 2021 | Final Action Date: Apr 12, 2022 | Approved |
| ANSI C82.15-2021, LED Drivers Robustness  (new standard)  
PINS Date: Mar 14, 2014 | Public Review Date: Feb 26, 2021 | Final Action Date: May 4, 2021 | Approved |
| ANSI C82.16-2022, For Light Emitting Diode Drivers - Methods of Measurement  (revision of ANSI C82.16-2020)  
PINS Date: May 29, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 10, 2022 | Approved |
NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.17-2017 (R2022), For Lighting Equipment: High Frequency (HF) Electronic Ballasts For Metal Halide Lamps (reaffirmation of ANSI C82.17-2017)
  Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI C82.18-2022, For Light Emitting Diode Drivers Performance Characteristics (new standard)
  PINS Date: May 29, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 11, 2022 | Approved

- ANSI C82.2-2002 (S2021), Standard For Lamp Ballasts - Method of Measurement of Fluorescent Lamp Ballasts (stabilized maintenance of ANSI C82.2-2002 (R2016))
  Public Review Date: May 28, 2021 | Final Action Date: Aug 30, 2021 | Approved

- ANSI C82.3-2016 (R2022), Standard for Electric Lamps—Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C82.4-2017 (R2022), Standard For Lamp Ballasts -- Ballasts For High-Intensity-Discharge and Low- Pressure Sodium Lamps (Multiple-Supply Type) (reaffirmation of ANSI C82.4-2017)
  Public Review Date: Apr 22, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI C82.5-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C82.6-2015 (R2020), Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge Lamps - Methods of Measurement (reaffirmation of ANSI C82.6-2015)
  Public Review Date: Jan 24, 2020 | Final Action Date: Mar 30, 2020 | Approved

- ANSI C82.77-1-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) General Requirements and Criteria (new standard)
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 1, 2020 | Approved

- ANSI C82.77-10-2021, For Lighting Equipment Harmonic Emission Limits Related Power Quality Requirements (revision of ANSI C82.77-10-2020)
  PINS Date: May 29, 2020 | Public Review Date: Apr 2, 2021 | Final Action Date: Aug 27, 2021 | Approved

- ANSI C82.77-2-2020, Standard for Lighting Equipment Electrostatic Discharge (national adoption with modifications of IEC 61000-4-2 Edition 2 2008-12)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-3-2020, Standard for Lighting Equipment Electromagnetic Compatibility (EMC) Testing and measurement techniques Radiated, radio-frequency electromagnetic field immunity test (national adoption with modifications of IEC 61000-4-3, ed3.2 (2010-04))
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-4-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) Testing and measurement techniques Power frequency magnetic field immunity test (national adoption with modifications of IEC 61000-4-8 Edition 2 2009)
  PINS Date: Dec 7, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-5-2017, For Lighting Equipment Voltage Surge Requirements (revision of ANSI C82.77-5-2015)
  PINS Date: Jul 7, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C82.77-7-2020, Standard for Lighting Equipment Testing and measurement techniques Voltage dips, short interruptions and voltage variations immunity tests (national adoption with modifications of IEC 61000-4-11 Edition 2.1 2017-05)
  PINS Date: Dec 7, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 10, 2020 | Approved
NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.77-8-2020, Standard for Lighting Equipment Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-9-2020, Standard for Lighting Equipment Injected Currents (national adoption with modifications of IEC 61000-4-6 Edition 4 2013-10)
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 4, 2020 | Approved

- ANSI C82.9-2016 (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 Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)
  PINS Date: Feb 15, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Mar 10, 2020 | Approved

NEMA (ASC GR) (National Electrical Manufacturers Association)

- ANSI/NEMA GR 1-2022, Ground Rod Electrodes and Ground Rod Electrode Couplings (new standard)
  PINS Date: Jul 10, 2015 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 24, 2022 | 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

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NEMA (ASC W1) (National Electrical Manufacturers Association)

- 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)
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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 Z535.2-2011 (R2017), Environmental and Facility Signs (reaffirmation of ANSI Z535.2-2011)
  Public Review Date: Jan 20, 2017 | Final Action Date: Oct 18, 2017 | Approved

- 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-006.2-2022, NENA Standard for NG9-1-1 GIS Data Model (new standard)
  PINS Date: Jan 26, 2018 | Public Review Date: May 13, 2022 | Final Action Date: Sep 23, 2022 | Approved

- ANSI/NENA STA-010.3-2021, NENA i3 Standard for Next Generation 9-1-1 (new standard)
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- ANSI/NENA STA-011.1-2021, NENA Standards for 9-1-1 Professional Education (new standard)
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- 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)
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NENA (National Emergency Number Association)

- ANSI/NENA STA-019.2-2022, NG9-1-1 Call Processing Metrics Standard  (revision and redesignation of ANSI/NENA STA-019.1 )
  PINS Date: Nov 6, 2020 | Public Review Date: May 27, 2022 | Final Action Date: Nov 3, 2022 | Approved

- ANSI/NENA STA-026.5-2016 (R2022), NENA PSAP Master Clock Standard  (reaffirmation of ANSI/NENA STA-026.5-2016)
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- ANSI/NENA STA-027.3-2018, NENA E9-1-1 PSAP Equipment Standard  (new standard)
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- ANSI/NENA STA-034.1-2022, NENA Legacy Selective Router Gateway Standard  (new standard)
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- ANSI/NENA STA.002.2-2022, NENA Standard to Protect the Wellbeing of 9-1-1 Professionals  (new standard)
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- ANSI/NENA STA.021.1-2021, NENA Standard for Emergency Incident Data Object (EIDO)  (new standard)
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NETA (InterNational Electrical Testing Association)

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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)
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ANSI/NFPA 105-2022, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2019)
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|---|
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|---|
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|---|
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<table>
<thead>
<tr>
<th>ANSI/NFPA 1078-2019, Standard for Electrical Inspector Professional Qualifications  (new standard)</th>
</tr>
</thead>
</table>
PINS Date: Aug 11, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved |

<table>
<thead>
<tr>
<th>ANSI/NFPA 1081-2018, Standard for Industrial Fire Brigade Member Professional Qualifications  (revision of ANSI/NFPA 1081-2011)</th>
</tr>
</thead>
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PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved |

|---|
PINS Date: Oct 25, 2019 | Public Review Date: Jan 21, 2022 | Final Action Date: Apr 9, 2022 | Approved |

|---|
PINS Date: Jul 10, 2020 | Public Review Date: Aug 12, 2022 | Final Action Date: Oct 27, 2022 | Approved |

<table>
<thead>
<tr>
<th>ANSI/NFPA 11-2021, Standard for Low-, Medium-, and High-Expansion Foam  (revision of ANSI/NFPA 11-2016)</th>
</tr>
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PINS Date: Dec 8, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Nov 22, 2020 | Approved |

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PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved |

|---|
PINS Date: Aug 24, 2018 | Public Review Date: Feb 28, 2020 | Final Action Date: Feb 11, 2021 | Approved |

|---|
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|---|
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|---|
PINS Date: Aug 4, 2017 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved |

<table>
<thead>
<tr>
<th>ANSI/NFPA 1126-2021, Standard for the Use of Pyrotechnics Before a Proximate Audience  (revision of ANSI/NFPA 1126-2016)</th>
</tr>
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PINS Date: Dec 29, 2017 | Public Review Date: Mar 1, 2019 | Final Action Date: Dec 24, 2019 | Approved |

|---|
PINS Date: Dec 29, 2017 | Final Action Date: Oct 30, 2016 | Approved |
<table>
<thead>
<tr>
<th>NFPA (National Fire Protection Association)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/NFPA 1140-2022, Standards for Wildland Firefighting  (new standard)</td>
</tr>
<tr>
<td>PINS Date: Oct 25, 2019</td>
</tr>
<tr>
<td>(revision of ANSI/NFPA 1141-2011)</td>
</tr>
<tr>
<td>Public Review Date: Sep 15, 2017</td>
</tr>
<tr>
<td>PINS Date: Oct 18, 2019</td>
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</tr>
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<td>PINS Date: Jul 7, 2017</td>
</tr>
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<td>ANSI/NFPA 1192-2021, Standard on Recreational Vehicles  (revision of ANSI/NFPA 1192-2018)</td>
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<tr>
<td>PINS Date: Feb 23, 2018</td>
</tr>
<tr>
<td>PINS Date: Dec 29, 2017</td>
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<td>PINS Date: Jun 8, 2018</td>
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</tr>
<tr>
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</tr>
<tr>
<td>ANSI/NFPA 1225-2022, Standards for Emergency Services Communications  (new standard)</td>
</tr>
<tr>
<td>PINS Date: Oct 25, 2019</td>
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NFPA (National Fire Protection Association)

  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 30, 2020 | Approved

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- ANSI/NFPA 1300-2020, Standard on Community Risk Assessment and Community Risk Reduction Plan Development (new standard)
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- ANSI/NFPA 1405-2020, Guide for Land-Based Fire Departments that Respond to Marine Vessel Fires (revision of ANSI/NFPA 1405-2016)
  PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

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NFPA (National Fire Protection Association)

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- ANSI/NFPA 1700-2021, Guide for Structural Fire Fighting (new standard)
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- ANSI/NFPA 1801-2021, Standard on Thermal Imagers for the Fire Service (revision of ANSI/NFPA 1801-2018)
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- 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)
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- 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)
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- ANSI/NFPA 1877-2022, Standard on Selection, Care, and Maintenance of Wildland Fire Fighting Clothing and Equipment (new standard)
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- ANSI/NFPA 1891-2022, Standard on Selection, Care, and Maintenance of Hazardous Materials Clothing and Equipment (new standard)
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### NFPA (National Fire Protection Association)

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NFPA (National Fire Protection Association)

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- ANSI/NFPA 204-2021, Standard for Smoke and Heat Venting  (revision of ANSI/NFPA 204-2018)
  PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

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- ANSI/NFPA 2112-2023, Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire  (revision of ANSI/NFPA 2112-2018)
  PINS Date: Apr 13, 2018 | Public Review Date: Jan 21, 2022 | Final Action Date: Jul 6, 2022 | Approved

- ANSI/NFPA 2113-2020, Standard on Selection, Care, Use, and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire  (revision of ANSI/NFPA 2113-2016)
  PINS Date: Apr 21, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: May 18, 2019 | Approved

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- ANSI/NFPA 221-2021, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls  (revision of ANSI/NFPA 221-2018)
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### ANSI/NFPA 276-2023, Standard Method of Fire Test for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Deck Roofing Components
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### ANSI/NFPA 289-2019, Standard Method of Fire Test for Individual Fuel Packages
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### ANSI/NFPA 290-2023, Standard for Fire Testing of Passive Protection Materials for Use on LP-Gas Containers
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### ANSI/NFPA 291-2022, Recommended Practice for Fire Flow Testing and Marking of Hydrants
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### ANSI/NFPA 3-2021, Standard for Commissioning of Fire Protection and Life Safety Systems
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### ANSI/NFPA 30-2021, Flammable and Combustible Liquids Code
- PINS Date: Feb 23, 2018
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### ANSI/NFPA 3000-2021, Standard for an Active Shooter/Hostile Event Response (ASHER) Program
- PINS Date: May 11, 2018
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### ANSI/NFPA 301-2023, Code for Safety to Life from Fire on Merchant Vessels
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### ANSI/NFPA 302-2020, Fire Protection Standard for Pleasure and Commercial Motor Craft
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### ANSI/NFPA 303-2021, Fire Protection Standard for Marinas and Boatyards
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### ANSI/NFPA 306-2019, Standard for the Control of Gas Hazards on Vessels
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### ANSI/NFPA 307-2021, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves
- PINS Date: Dec 8, 2017
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NFPA (National Fire Protection Association)

  revision of ANSI/NFPA 30A-2018  
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- ANSI/NFPA 30B-2023, Code for the Manufacture and Storage of Aerosol Products  
  revision of ANSI/NFPA 30B-2019  
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- ANSI/NFPA 31-2020, Standard for the Installation of Oil-Burning Equipment  
  revision of ANSI/NFPA 31-2016  
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  revision of ANSI/NFPA 312-2016  
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- ANSI/NFPA 318-2021, Standard for the Protection of Semiconductor Fabrication Facilities  
  revision of ANSI/NFPA 318-2018  
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- ANSI/NFPA 32-2021, Standard for Drycleaning Facilities  
  revision of ANSI/NFPA 32-2016  
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- ANSI/NFPA 326-2020, Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair  
  revision of ANSI/NFPA 326-2015  
  PINS Date: Oct 13, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 30, 2019 | Approved

- ANSI/NFPA 329-2020, Recommended Practice for Handling Releases of Flammable and Combustible Liquids and Gases  
  revision of ANSI/NFPA 329-2015  
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- ANSI/NFPA 33-2021, Standard for Spray Application Using Flammable or Combustible Materials  
  revision of ANSI/NFPA 33-2018  
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- ANSI/NFPA 34-2021, Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids  
  revision of ANSI/NFPA 34-2018  
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  revision of ANSI/NFPA 35-2016  
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- ANSI/NFPA 350-2022, Guide for Safe Confined Space Entry and Work  
  revision of ANSI/NFPA 350-2019  
  PINS Date: May 10, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Apr 17, 2021 | Approved

- ANSI/NFPA 36-2021, Standard for Solvent Extraction Plants  
  revision of ANSI/NFPA 36-2017  
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- ANSI/NFPA 37-2021, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines  
  revision of ANSI/NFPA 37-2018  
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- ANSI/NFPA 385-2022, Standard for Tank Vehicles for Flammable and Combustible Liquids  
  revision of ANSI/NFPA 385-2017  
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NFPA (National Fire Protection Association)

- ANSI/NFPA 40-2022, Standard for the Storage and Handling of Cellulose Nitrate Film (revision of ANSI/NFPA 40-2019)
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<p>| ANSI/NFPA 502-2023, Standard for Road Tunnels, Bridges, and Other Limited Access Highways  (revision of ANSI/NFPA 502-2020) | PINS Date: Oct 25, 2019 | Public Review Date: Feb 4, 2022 | Final Action Date: Sep 1, 2022 | Approved |
| ANSI/NFPA 505-2018, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations  (revision of ANSI/NFPA 505-2012) | PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 18, 2017 | Approved |
| ANSI/NFPA 51B-2019, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work  (revision of ANSI/NFPA 51B-2013) | PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: Jul 15, 2018 | Approved |</p>
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<th>Date of Approval</th>
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<td>2021</td>
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<td>ANSI/NFPA 59A-2019, Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)</td>
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<td>Jan 10, 2020</td>
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NFPA (National Fire Protection Association)

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<th>PINS Date</th>
<th>Public Review Date</th>
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<td>Dec 8, 2017</td>
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<td>Sep 19, 2019</td>
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<td>ANSI/NFPA 77-2019, Recommended Practice on Static Electricity</td>
<td>Jan 25, 2018</td>
<td>Feb 9, 2018</td>
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NFRC (National Fenestration Rating Council)

- ANSI/NFRC 400-2020 (EA01), Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2020)
  PINS Date: Jul 30, 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)
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NIRMA (Nuclear Information and Records Management Association)

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NSF (NSF International)

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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 14-2015 (i65r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2015 (i67r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2016 (i72r1), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2016 (i73r1), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2016 (i75r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2015)
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NSF (NSF International)

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- ANSI/NSF 14-2016 (i79r1), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2014, BSR/NSF 14-201x (i79r1))
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- ANSI/NSF 14-2016 (i79r2), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2016 (i80r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2016 (i81r1), NSF/ANSI 14: Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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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 (revision of ANSI/NSF 14 -2016a)
  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 19, 2017 | Approved

- ANSI/NSF 14-2017 (i87r1), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2018 (i86r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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<td>ANSI/NSF 14159-3-2019 (i7r1)</td>
<td>Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2014)</td>
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NSF (NSF International)

- ANSI/NSF 169-2016 (i7r2), NSF 169-12 Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2012)
  Public Review Date: Nov 11, 2016 | Final Action Date: Dec 11, 2016 | Approved

- ANSI/NSF 169-2020 (i10r1), NSF 169 - Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2016)
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- ANSI/NSF 169-2020 (i9r1), NSF 169 - Special Purpose Food Equipment and Devices (revision of ANSI/NSF 169-2016)
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- ANSI/NSF 170-2015 (i17r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2014)
  Public Review Date: Oct 9, 2015 | Final Action Date: Nov 10, 2015 | Approved

- ANSI/NSF 170-2015 (i18r3), Glossary of food equipment technology (revision of ANSI/NSF 170-2014)
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- ANSI/NSF 170-2022 (i33r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2021)
  Public Review Date: Nov 4, 2022 | Final Action Date: Dec 5, 2022 | Approved

- ANSI/NSF 170-2022 (i30r3), Glossary of Food Equipment Terminology (revision of BSR/NSF 170-2021)
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<td>NSF 177 - Shower Filtration Systems – Aesthetic Effects (revision of ANSI/NSF 177-2014)</td>
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<td>Food Equipment (revision of ANSI/NSF 2-2014)</td>
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### NSF (NSF International)

- **ANSI/NSF 2-2019 (i33r1), NSF 2 - Food Equipment** (revision of ANSI/NSF 2-2018)
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- **ANSI/NSF 2-2019 (i34r3), NSF 2 - Food Equipment** (revision of ANSI/NSF 2-2018)
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- **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)
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- **ANSI/NSF 2-2021 (i41r2), Food Equipment** (revision of ANSI/NSF 2-2019)
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- **ANSI/NSF 2-2022 (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)
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- **ANSI/NSF 2-2022 (i43r2), Food Equipment** (revision of ANSI/NSF 2021)
  - Public Review Date: Sep 30, 2022 | Final Action Date: Dec 2, 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, 2020 | Final Action Date: Jan 3, 2020 | Approved

- **ANSI/NSF 21-2015 (i6r3), Thermoplastic Refuse Containers** (revision of ANSI/NSF 21-2012)
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- **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 2, 2022 | Approved

- **ANSI/NSF 223-2015 (i5r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60-Drinking Water Treatment Chemicals - Health Effects** (revision of ANSI/NSF 223-2013)
  - Public Review Date: May 8, 2015 | Final Action Date: Jun 9, 2015 | Approved

- **ANSI/NSF 223-2020 (i6r1), NSF 223 - Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI 60 Drinking Water Treatment Chemicals – Health Effects** (revision of ANSI/NSF 223-2015)
  - Public Review Date: Mar 20, 2020 | Final Action Date: Apr 24, 2020 | Approved

- **ANSI/NSF 24-2014 (i8r1), Plumbing System Components for Recreational Vehicles** (revision of ANSI/NSF 24-2010)
  - Public Review Date: Oct 3, 2014 | Final Action Date: Nov 18, 2014 | Approved

- **ANSI/NSF 24-2015 (i10r2), Plumbing system components for recreational vehicles** (revision of ANSI/NSF 24-2010)
  - Public Review Date: Jan 16, 2015 | Final Action Date: May 11, 2015 | Approved
NSF (NSF International)

- ANSI/NSF 24-2020 (i11r1), NSF 24 - Plumbing System Components for Recreational Vehicles (revision of ANSI/NSF 24-2016)
  Public Review Date: Dec 27, 2019 | Final Action Date: Feb 6, 2020 | Approved

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- ANSI/NSF 244-2018 (i1r15), Supplemental Microbiological Water Treatment Systems - Filtration (new standard)
  PINS Date: Aug 1, 2003 | Public Review Date: Mar 9, 2018 | Final Action Date: Apr 23, 2018 | Approved

- ANSI/NSF 244-2018 (i2r1), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)
  Public Review Date: Jul 13, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/NSF 244-2019 (i4r11), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018A)
  Public Review Date: Jun 21, 2019 | Final Action Date: Jul 22, 2019 | Approved

- ANSI/NSF 244-2019 (i5r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 5, 2019 | Approved

- ANSI/NSF 244-2020 (i10r2), NSF/ANSI 244-2020: Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 25, 2020 | Approved

- ANSI/NSF 244-2020 (i11r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2020 (i8r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2020 (i9r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2021 (i12r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2021 (i17r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2020)
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- ANSI/NSF 244-2021 (i6r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2022 (i14r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2021)
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- ANSI/NSF 244-2022 (i15r2), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2021)
  Public Review Date: Mar 25, 2022 | Final Action Date: May 9, 2022 | Approved

- ANSI/NSF 244-2022 (i18r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2021)
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- ANSI/NSF 244-2022 (i19r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2021)
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- ANSI/NSF 244-2022 (i20r2), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021)
  Public Review Date: Oct 14, 2022 | Final Action Date: Nov 15, 2022 | Approved

- ANSI/NSF 244-2022 (i21r1), Supplemental Microbiological Water Treatment Systems -Filtration (revision of ANSI/NSF 244-2021)
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- ANSI/NSF 245-2018 (i12r2), NSF 245 - Wastewater treatment systems - Nitrogen reduction (revision of ANSI/NSF 245-2013)
  Public Review Date: Dec 22, 2017 | Final Action Date: Jan 26, 2018 | Approved

- ANSI/NSF 245-2018 (i13r1), Wastewater Treatment Systems Nitrogen Reduction (revision and redesignation of ANSI/NSF 245-2010 (i4))
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- ANSI/NSF 245-2018 (i14r1), Wastewater Treatment Systems Nitrogen Reduction (revision of ANSI/NSF 245-2013)
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- ANSI/NSF 245-2019 (i16r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2018)
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  Public Review Date: Oct 23, 2020 | Final Action Date: Dec 3, 2020 | Approved
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<td>Aug 2, 2021</td>
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<td>ANSI/NSF 3-A 14159-2-2019 (i8r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing</td>
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<td>ANSI/NSF 3-A 14159-3-2014 (i6r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing</td>
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Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

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

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

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

ANSI/NSF 332-2022 (i12r1), Sustainability Assessment for Resilient Floor Coverings  (revision of ANSI/NSF 332-2015)
Public Review Date: Aug 5, 2022 | Final Action Date: Sep 4, 2022 | Approved

ANSI/NSF 332-2022 (i9r3.1), Sustainability Assessment for Resilient Floor Coverings  (revision of ANSI/NSF 332-2015)
Public Review Date: Jul 8, 2022 | Final Action Date: Aug 22, 2022 | Approved

ANSI/NSF 336-2018 (i2r1), Sustainability assessment for commercial furnishings fabric  (revision of ANSI/NSF 336-2011)
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)
Public Review Date: Jun 7, 2019 | Final Action Date: Jul 7, 2019 | Approved

ANSI/NSF 347-2018 (i5r2), Sustainability Assessment for Single Ply Roofing  (revision of ANSI/NSF 347-2012a)
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

Public Review Date: Feb 21, 2020 | Final Action Date: Mar 24, 2020 | Approved

Public Review Date: Apr 26, 2019 | Final Action Date: Feb 21, 2020 | Approved

ANSI/NSF 350-1-2017 (i7r1), NSF 350-1 Onsite residential and commercial greywater treatment systems for subsurface discharge  (revision of ANSI/NSF 350-1-2012)
Public Review Date: Nov 24, 2017 | Final Action Date: Dec 22, 2017 | Approved

ANSI/NSF 350-2015 (i6r1), Wastewater treatment systems - Onsite residential and commercial water reuse treatment systems  (revision of ANSI/NSF 350-2012)
Public Review Date: Oct 31, 2014 | Final Action Date: May 1, 2015 | Approved

ANSI/NSF 350-2016 (i11r1), Onsite residential and commercial water reuse treatment systems  (revision of ANSI/NSF 350-2014)
Public Review Date: Jul 8, 2016 | Final Action Date: Aug 26, 2016 | Approved

ANSI/NSF 350-2017 (i15r1), Onsite Residential and Commercial Water Reuse Treatment Systems  (revision of ANSI/NSF 350-2012 (i3))
Public Review Date: Apr 28, 2017 | Final Action Date: Jun 21, 2017 | Approved
NSF (NSF International)

  Public Review Date: Apr 28, 2017 | Final Action Date: May 31, 2017 | Approved

- ANSI/NSF 350-2017 (i18r2), NSF 350 Onsite Residential and Commercial Water Reuse Treatment Systems (revision of BSR/NSF 350-201x (i18r1))
  Public Review Date: Sep 22, 2017 | Final Action Date: Nov 8, 2017 | Approved

  Public Review Date: Jul 7, 2017 | Final Action Date: Sep 22, 2017 | Approved

  Public Review Date: Jul 7, 2017 | Final Action Date: Nov 28, 2017 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 23, 2017 | Approved

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  Public Review Date: Dec 1, 2017 | Final Action Date: Jan 3, 2018 | Approved

- ANSI/NSF 350-2018 (i25r1), NSF/ANSI 350: Onsite residential and commercial, water reuse treatment systems (revision of BSR/NSF 350-201x (i25r1))
  Public Review Date: Dec 8, 2017 | Final Action Date: Jan 5, 2018 | 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)
  Public Review Date: Jul 6, 2018 | Final Action Date: Sep 5, 2018 | Approved
### NSF (NSF International)

  - 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)
  - Public Review Date: Jun 8, 2018 | Final Action Date: Sep 10, 2018 | Approved

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  - Public Review Date: Dec 14, 2018 | Final Action Date: Feb 13, 2019 | Approved

  - Public Review Date: Nov 30, 2018 | Final Action Date: Jan 7, 2019 | Approved

  - Public Review Date: May 17, 2019 | Final Action Date: Jun 18, 2019 | Approved

  - Public Review Date: May 3, 2019 | Final Action Date: Jun 7, 2019 | Approved

  - Public Review Date: Jun 7, 2019 | Final Action Date: Jul 24, 2019 | Approved

  - Public Review Date: Jul 10, 2020 | Final Action Date: Aug 9, 2020 | Approved

  - Public Review Date: Apr 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

- **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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### NSF (NSF International)

- **ANSI/NSF 4-2020 (i30r1)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
  - Public Review Date: Sep 18, 2020 | Final Action Date: Nov 6, 2020 | Approved

- **ANSI/NSF 4-2021 (i21r8)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
  - Public Review Date: Apr 16, 2021 | Final Action Date: May 20, 2021 | Approved

- **ANSI/NSF 4-2021 (i31r1)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
  - Public Review Date: Jan 22, 2021 | Final Action Date: Mar 8, 2021 | Approved

- **ANSI/NSF 4-2021 (i32r2)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2019)
  - Public Review Date: Mar 5, 2021 | Final Action Date: Apr 4, 2021 | Approved

- **ANSI/NSF 4-2022 (i34r1)**, Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2020)
  - Public Review Date: Aug 19, 2022 | Final Action Date: Dec 2, 2022 | Approved

- **ANSI/NSF 4-2022 (i34r1)**, NSF 40 Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
  - Public Review Date: Jan 31, 2020 | Final Action Date: Jan 4, 2021 | Approved

- **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

  - Public Review Date: Dec 22, 2017 | Final Action Date: Jan 26, 2018 | Approved

- **ANSI/NSF 40-2019 (i32r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
  - Public Review Date: Apr 19, 2019 | Final Action Date: May 29, 2019 | Approved

- **ANSI/NSF 40-2019 (i33r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
  - Public Review Date: Mar 15, 2019 | Final Action Date: Apr 19, 2019 | Approved

- **ANSI/NSF 40-2019 (i34r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
  - Public Review Date: Apr 19, 2019 | Final Action Date: Jun 4, 2019 | Approved

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  - Public Review Date: Oct 16, 2020 | Final Action Date: Dec 8, 2020 | Approved

- **ANSI/NSF 40-2020 (i38r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)
  - Public Review Date: Oct 16, 2020 | Final Action Date: Nov 20, 2020 | Approved

- **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)
  - Public Review Date: Jan 31, 2020 | Final Action Date: Jan 4, 2021 | Approved

- **ANSI/NSF 40-2022 (i42r2)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
  - Public Review Date: Feb 25, 2022 | Final Action Date: Mar 29, 2022 | Approved

- **ANSI/NSF 40-2022 (i43r1)**, Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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<td>Jun 8, 2018</td>
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Approved American National Standards

NSF (NSF International)

  Public Review Date: Oct 16, 2020 | Final Action Date: Jul 22, 2022 | Approved

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- ANSI/NSF 41-2022 (i13r1), Non-liquid Saturated Treatment Systems  (revision of ANSI/NSF 41-2018)
  Public Review Date: Jun 24, 2022 | Final Action Date: Sep 5, 2022 | Approved

- 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))
  Public Review Date: Jun 30, 2017 | Final Action Date: Jul 30, 2017 | Approved

- ANSI/NSF 416-2022 (i5r1.1), Sustainability Assessment for Water Treatment Chemical Products  (revision of ANSI/NSF 416-2017)
  Public Review Date: Oct 7, 2022 | Final Action Date: Nov 23, 2022 | Approved

  (reaffirmation of ANSI/NSF 418-2014 (i1r1))
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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

  (revision of ANSI/NSF 419-2015)
  Public Review Date: Aug 11, 2017 | Final Action Date: Aug 31, 2018 | Approved

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- ANSI/NSF 42-2014 (i79r2), Drinking Water Treatment Units - Aesthetic Effects  (revision of ANSI/NSF 42-2013)
  Public Review Date: May 9, 2014 | Final Action Date: Oct 16, 2014 | Approved
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<td>ANSI/NSF 437-2021 (i1r2)</td>
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NSF (NSF International)

- ANSI/NSF 44-2016 (i41r1), NSF 44-2016 - Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2015)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 19, 2016 | Approved

- ANSI/NSF 44-2017 (i42r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2016)
  Public Review Date: May 12, 2017 | Final Action Date: Jun 13, 2017 | Approved

  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 27, 2017 | Approved

  Public Review Date: Jun 22, 2018 | Final Action Date: Jul 31, 2018 | Approved

- ANSI/NSF 44-2021 (i48r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/NSF 44-2021 (i49r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2018)
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 4, 2021 | Approved

- ANSI/NSF 44-2022 (i50r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2021)
  Public Review Date: Oct 7, 2022 | Final Action Date: Nov 7, 2022 | Approved

- 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), 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

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  Public Review Date: Mar 27, 2020 | Final Action Date: Nov 5, 2020 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 15, 2020 | Approved

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  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 1, 2020 | Approved
ANSI/NSF 455-2-2021 (i10r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i11r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i12r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i13r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i15r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i16r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i18r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i20r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i22r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i24r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i26r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i28r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
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ANSI/NSF 455-2-2021 (i29r2), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2 -2020)
Public Review Date: Sep 3, 2021 | Final Action Date: Oct 3, 2021 | Approved
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Public Review Date: Aug 31, 2018 | Final Action Date: Oct 2, 2018 | Approved

ANSI/NSF 455-3-2018 (i1r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (new standard)
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ANSI/NSF 455-3-2018 (i2r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

ANSI/NSF 455-3-2018 (i3r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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ANSI/NSF 455-3-2018 (i4r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

ANSI/NSF 455-3-2018 (i5r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

ANSI/NSF 455-3-2018 (i6r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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ANSI/NSF 455-3-2018 (i7r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

ANSI/NSF 455-3-2018 (i8r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

ANSI/NSF 455-3-2018 (i9r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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ANSI/NSF 455-3-2019 (i15r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Sep 6, 2019 | Final Action Date: Dec 4, 2019 | Approved

ANSI/NSF 455-3-2019 (i16r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Sep 6, 2019 | Final Action Date: Dec 4, 2019 | Approved

ANSI/NSF 455-3-2019 (i18r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
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ANSI/NSF 455-3-2019 (i19r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics (revision of ANSI/NSF 455-3-2018)
Public Review Date: Sep 6, 2019 | Final Action Date: Dec 5, 2019 | Approved
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<td>Mar 6, 2020</td>
<td>Apr 20, 2020</td>
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- ANSI/NSF 455-4-2020 (i17r1), 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 (i19r1), 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 (i22r1), NSF 455-4: Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2018)
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- ANSI/NSF 455-4-2021 (i23r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i24r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i25r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i27r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i28r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i30r1), NSF 455-4-2021: Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i31r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i34r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i35r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2019)
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- ANSI/NSF 455-4-2021 (i36r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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NSF (NSF International)

- ANSI/NSF 455-4-2021 (i39r2), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i40r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2020)
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- ANSI/NSF 455-4-2021 (i32r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)
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- ANSI/NSF 455-4-2022 (i37r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)
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- ANSI/NSF 455-4-2022 (i38r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2022 (i32r1))
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- ANSI/NSF 455-4-2022 (i41r1), Good Manufacturing Practices for Over-the-Counter Drugs (revision of ANSI/NSF 455-4-2021)
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- ANSI/NSF 456-2021 (i1r1), Vaccine Storage (new standard)
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- ANSI/NSF 456-2021a (i2r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i3r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i4r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i5r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 456-2021a (i6r1), NSF 456-2021: Vaccine Storage (revision of ANSI/NSF 456-2021)
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- ANSI/NSF 457-2017 (i1r2ADJ), NSF/ANSI 457 Sustainability Leadership Standard for Photovoltaic Modules (new standard)
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NSF (NSF International)

ANSI/NSF 46-2022 (i42r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2021)
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ANSI/NSF 49-2014 (i48r7), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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ANSI/NSF 49-2014 (i52r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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ANSI/NSF 49-2014 (i53r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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ANSI/NSF 49-2014 (i55r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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ANSI/NSF 49-2014 (i72r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
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ANSI/NSF 49-2016 (i45r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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ANSI/NSF 49-2016 (i56r2), Biosafety Cabinetry: Design, Construction, Performance, and Field (revision of ANSI/NSF 49-2014)
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ANSI/NSF 49-2016 (i76r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014 and BSR/NSF 49-201x (i76r1))
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ANSI/NSF 49-2016 (i78r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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ANSI/NSF 49-2016 (i79r2), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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ANSI/NSF 49-2016 (i81r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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ANSI/NSF 49-2016 (i86r1), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- **ANSI/NSF 49-2016 (i96r1), NSF 49 - 2016 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)**  
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- **ANSI/NSF 49-2017 (i73Br5), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2006 (i111))**  
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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
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### ANSI/NSF 49-2018 (i125r1), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2018 (i125r2), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2018 (i47r5), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2018 (i59r2), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2018 (i77r3), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i120r2), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i122r2), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i127r1), NSF 49: Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i133r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i136r2), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i138r1), NSF 49: Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i140r1), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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### ANSI/NSF 49-2019 (i146r1), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification
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<td>Apr 1, 2022</td>
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<td>revision of ANSI/NSF 5-2012</td>
<td>Dec 4, 2015</td>
<td>Jan 26, 2016</td>
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## NSF (NSF International)

- **ANSI/NSF 5-2019 (i10r1), NSF 5 - Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment** (revision of ANSI/NSF 5-2016)
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- **ANSI/NSF 5-2019 (i9r1), NSF 5 - Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment** (revision of ANSI/NSF 5-2016)
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- **ANSI/NSF 50-2015 (i100r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2014)
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- **ANSI/NSF 50-2015 (i77r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2014)
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- **ANSI/NSF 50-2016 (i113r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2015 and BSR/NSF 50-201x (i113r1))
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- **ANSI/NSF 50-2016 (i118r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities** (revision of ANSI/NSF 50-2016)
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- **ANSI/NSF 50-2016 (i89r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
  (revision of ANSI/NSF 50-2013)  
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- **ANSI/NSF 50-2016 (i99r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
  (revision of ANSI/NSF 50-2013)  
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- **ANSI/NSF 50-2017 (i110), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
  (revision of ANSI/NSF 50-2015)  
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- **ANSI/NSF 50-2017 (i119r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i120r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i121r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i123r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i125r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i125r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i128r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i129r2), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2017 (i131r1), NSF/ANSI 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- **ANSI/NSF 50-2018 (i111r2), NSF/ANSI 50 - Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities**  
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- ANSI/NSF 50-2018 (i133r1), NSF/ANSI 50-2016-Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities  (revision of ANSI/NSF 50-2016)
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- ANSI/NSF 50-2018 (i134r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities  (revision of ANSI/NSF 50-2016a)
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- ANSI/NSF 50-2018 (i135r2), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities  (revision of ANSI/NSF 50-2016a)
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- ANSI/NSF 50-2018 (i137r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities  (revision of ANSI/NSF 50-2016)
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<td>Sep 17, 2021</td>
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<tr>
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<td>Public Review Date: Apr 29, 2022</td>
<td>Final Action Date: Jul 7, 2022</td>
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<td>NSF 59-2012 Mobile Food Carts</td>
<td>Public Review Date: Oct 28, 2016</td>
<td>Final Action Date: Jan 4, 2017</td>
<td>Approved</td>
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<td>Final Action Date: Nov 29, 2020</td>
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<td>NSF/ANSI 6 - Dispensing Freezers</td>
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<td>Final Action Date: Dec 3, 2018</td>
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<td>NSF 6 - Dispensing Freezers</td>
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<td>Final Action Date: Mar 16, 2021</td>
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<td>Public Review Date: Mar 6, 2020</td>
<td>Final Action Date: Feb 19, 2021</td>
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<td>Final Action Date: Aug 2, 2021</td>
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NSF (NSF International)

- ANSI/NSF 61-2015 (i121), Drinking Water System Components: Health Effects  (revision of ANSI/NSF 61-2014a)
  Public Review Date: Jul 3, 2015 | Final Action Date: Aug 2, 2015 | Approved

  Public Review Date: Sep 25, 2015 | Final Action Date: Nov 2, 2015 | Approved

  Public Review Date: Jul 31, 2015 | Final Action Date: Sep 3, 2015 | Approved

  Public Review Date: Jul 31, 2015 | Final Action Date: Sep 3, 2015 | Approved

  Public Review Date: Sep 18, 2015 | Final Action Date: Nov 3, 2015 | Approved

- ANSI/NSF 61-2016 (i110r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2013)
  Public Review Date: Mar 28, 2014 | Final Action Date: Aug 17, 2016 | Approved

- ANSI/NSF 61-2016 (i123r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2015)
  Public Review Date: Feb 5, 2016 | Final Action Date: Mar 6, 2016 | Approved

- ANSI/NSF 61-2016 (i128), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2014a)
  Public Review Date: Oct 30, 2015 | Final Action Date: Jan 5, 2016 | Approved

- ANSI/NSF 61-2016 (i129), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2015 (i125))
  Public Review Date: Nov 6, 2015 | Final Action Date: Jan 6, 2016 | Approved

- ANSI/NSF 61-2016 (i130), Drinking Water System Components - Health effects  (revision of ANSI/NSF 61-2015)
  Public Review Date: Dec 4, 2015 | Final Action Date: Jan 18, 2016 | Approved

  Public Review Date: May 13, 2016 | Final Action Date: Jun 12, 2016 | Approved

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  Public Review Date: Jul 22, 2016 | Final Action Date: Oct 12, 2016 | Approved

  Public Review Date: Jan 27, 2017 | Final Action Date: Mar 13, 2017 | Approved

- ANSI/NSF 61-2017 (i134r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
  Public Review Date: Nov 25, 2016 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/NSF 61-2017 (i135r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
  Public Review Date: Jun 2, 2017 | Final Action Date: Jul 7, 2017 | Approved

- ANSI/NSF 61-2017 (i136r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
  Public Review Date: Jun 2, 2017 | Final Action Date: Jul 8, 2017 | Approved

- ANSI/NSF 61-2017 (i137r1), NSF 61-2016 - Drinking Water System Components - Health effects  (revision of ANSI/NSF 61-2016)
  Public Review Date: Jul 7, 2017 | Final Action Date: Oct 23, 2017 | Approved
### NSF (NSF International)

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### NSF (NSF International)

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  Public Review Date: Jan 1, 2021 | Final Action Date: May 20, 2021 | Approved

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  Public Review Date: Aug 27, 2021 | Final Action Date: Oct 11, 2021 | Approved

- **ANSI/NSF 7-2016 (i13r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)  
  Public Review Date: Nov 13, 2015 | Final Action Date: May 4, 2016 | Approved

- **ANSI/NSF 7-2016 (i10r5)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)  
  Public Review Date: Jul 1, 2016 | Final Action Date: Jul 31, 2016 | Approved

- **ANSI/NSF 7-2016 (i15r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)  
  Public Review Date: Jan 22, 2016 | Final Action Date: Jul 7, 2016 | Approved

- **ANSI/NSF 7-2016 (i9r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2014)  
  Public Review Date: Feb 19, 2016 | Final Action Date: May 6, 2016 | Approved

- **ANSI/NSF 7-2019 (i20r3)**, NSF 7 - Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016)  
  Public Review Date: Jun 14, 2019 | Final Action Date: Oct 9, 2019 | Approved

- **ANSI/NSF 7-2019 (i21r2)**, NSF 7 - Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016)  
  Public Review Date: Dec 21, 2018 | Final Action Date: Oct 17, 2019 | Approved

- **ANSI/NSF 7-2019 (i22r1)**, NSF 7 - Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2016)  
  Public Review Date: Apr 5, 2019 | Final Action Date: Oct 18, 2019 | Approved

- **ANSI/NSF 7-2021 (i17r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)  
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- **ANSI/NSF 7-2021 (i24r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)  
  Public Review Date: Jan 22, 2021 | Final Action Date: Jun 15, 2021 | Approved

- **ANSI/NSF 7-2021 (i25r2)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)  
  Public Review Date: Sep 24, 2021 | Final Action Date: Oct 24, 2021 | Approved

- **ANSI/NSF 7-2021 (i26r1)**, Commercial Refrigerators and Freezers (revision of ANSI/NSF 7-2019)  
  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 2, 2021 | Approved

- **ANSI/NSF 8-2017 (i12r1)**, Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2007 (i6))  
  Public Review Date: Dec 23, 2016 | Final Action Date: Feb 9, 2017 | Approved

- **ANSI/NSF 8-2018 (i11r1)**, NSF 8 - 2012 - Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8 -2012)  
  Public Review Date: Dec 16, 2016 | Final Action Date: Jan 12, 2018 | Approved
NSF (NSF International)

- ANSI/NSF 8-2018 (i13r1), NSF 8-2012-Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2012)
  Public Review Date: Nov 17, 2017 | Final Action Date: Jan 30, 2018 | Approved

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

- ANSI/NSF 8-2021 (i17r1), NSF 8 - Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)
  Public Review Date: Apr 26, 2019 | Final Action Date: Feb 16, 2021 | Approved

- ANSI/NSF 8-2021 (i18r1), Commercial Powered Food Preparation Equipment (revision of ANSI/NSF 8-2018)
  Public Review Date: Sep 18, 2020 | Final Action Date: Feb 1, 2021 | Approved

- 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

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<td>ANSI/NSF/CAN 60-2019 (i80r1), NSF 60 - Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF 60-2018)</td>
<td>Public Review Date: Mar 22, 2019</td>
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<td>ANSI/NSF/CAN 60-2019 (i81r1), NSF/CAN 60 - Drinking Water Treatment Chemicals – Health Effects (revision and redesignation of ANSI/NSF 60-2018)</td>
<td>Public Review Date: Jun 7, 2019</td>
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<td>ANSI/NSF/CAN 60-2019 (i82r1), Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF/CAN 60-2018)</td>
<td>Public Review Date: Jun 14, 2019</td>
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Approved American National Standards

NSF (NSF International)

  Public Review Date: Jun 12, 2020 | Final Action Date: Jul 31, 2020 | Approved

  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 20, 2021 | Approved

- ANSI/NSF/CAN 60-2021 (i94r1), Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF/CAN 60-2020)
  Public Review Date: Feb 19, 2021 | Final Action Date: Apr 16, 2021 | Approved

- ANSI/NSF/CAN 600-2018 (i1r1), NSF 600 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water (new standard)
  PINS Date: Jun 1, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 15, 2018 | Approved

- ANSI/NSF/CAN 600-2018 (i2r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water (revision of ANSI/NSF 600-2018 (i1r1))
  Public Review Date: Nov 16, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Jun 15, 2019 | Approved

  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 6, 2019 | Approved

  Public Review Date: Feb 5, 2021 | Final Action Date: Apr 9, 2021 | Approved

- ANSI/NSF/CAN 600-2021 (i6r1), 600-2021 Addendum (addenda to ANSI/NSF/CAN 600-2021)
  Public Review Date: Aug 13, 2021 | Final Action Date: Sep 27, 2021 | Approved

  Public Review Date: Jun 14, 2019 | Final Action Date: Jul 30, 2019 | Approved

  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 24, 2019 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Sep 11, 2019 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Jun 25, 2019 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Jul 21, 2019 | Approved
### NSF (NSF International)

  - 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

  - Public Review Date: Aug 6, 2021 | Final Action Date: Sep 28, 2021 | Approved

  - Public Review Date: Feb 19, 2021 | Final Action Date: Apr 14, 2021 | Approved

  - 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

- **ANSI/NSF/CAN 61-2022 (i161r1), Drinking Water System Components - Health Effects** (revision of ANSI/NSF/CAN 61-2021)
  - 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)

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### NW&RA (ASC Z245) (National Waste & Recycling Association)

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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)

  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

- ANSI OEOSC ISO 10110-7-2022, Optics and Electro-Optical Instruments—Preparation of drawings for optical elements and systems — Part 7: Surface Imperfections (identical national adoption of ISO 10110-7:2017)
  PINS Date: Mar 4, 2022 | Public Review Date: Jul 1, 2022 | Final Action Date: Aug 25, 2022 | Approved

  Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | 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
Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

- ANSI/OEOSC OP1.0110-9-2015, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 9: Surface treatment and coatings (national adoption with modifications of ISO 10110-9)
  PINS Date: Jun 24, 2011 | Public Review Date: Mar 28, 2014 | Final Action Date: Dec 30, 2015 | Approved

- ANSI/OEOSC OP1.9211-4-2014, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)
  PINS Date: Jan 18, 2013 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved

  Public Review Date: Jan 3, 2014 | Final Action Date: Dec 17, 2014 | Approved

OIX (Open-IX Association)

- 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)

  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
## OPEI (Outdoor Power Equipment Institute)

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<td>ANSI/OPEI B175.5-2021</td>
<td>(Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Edger - Safety and Environmental Requirements</td>
<td>Feb 22, 2013</td>
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<td>ANSI/OPEI Z130.1-2020</td>
<td>(Standard) for Golf Cars - Safety and Performance Specifications</td>
<td>Feb 26, 2016</td>
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<tr>
<td>PCI (Precast/Prestressed Concrete Institute)</td>
<td>200 West Adams Street, Suite 200, Chicago, IL 60606-2500</td>
<td>wwwpci.org</td>
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<tr>
<td>PDA (Parenteral Drug Association)</td>
<td>Bethesda Towers, 400 East Bethesda Highway, Suite 600, Bethesda, MD 20814</td>
<td><a href="http://www.pda.org">www.pda.org</a></td>
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<tr>
<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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<tr>
<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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<tr>
<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/PCI 128-2019, Specification for Glass-Fiber-Reinforced Concrete Panels</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</td>
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<td>ANSI/PDA Standard 04-2021, Phage Retention Nomenclature Rating for Small and Large Virus-Retentive Filters</td>
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<td>ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction</td>
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<td>ANSI/PGMA G300-2018, Safety and Performance of Portable Generators</td>
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<td>ANSI/APSP 1-2013, Standard for Public Swimming Pools</td>
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<td>ANSI/APSP 4 Addenda-2013, Standard for Aboveground/Onground Residential Swimming Pools</td>
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<td>ANSI/APSP 6-2013, Standard for Residential Portable Spas and Swim Spas</td>
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<td>ANSI/APSP 8-2004 (R2013), Model Barrier Code for Residential Swimming Pools, Spas, and Hot Tubs</td>
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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 (R2021), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)
  PINS Date: Feb 23, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 23, 2019 | Approved

- ANSI/PLASTICS B151.5-2020, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)
  PINS Date: Jul 20, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/PLASTICS B151.7-2013 (R2021), Safety Requirements for Extrusion Machines (reaffirmation and redesignation of ANSI/SPI B151.7-2013)
  PINS Date: Jan 18, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Sep 24, 2021 | Approved

PLATO (Portable Lights American Trade Organization)

- ANSI/PLATO FL 1-2019, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)
  PINS Date: Feb 23, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 23, 2019 | Approved

PMI (Organization) (Project Management Institute)

  PINS Date: Feb 6, 2015 | Public Review Date: May 5, 2017 | Final Action Date: Jul 21, 2017 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 29, 2019 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Feb 16, 2021 | Approved

  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)

- 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
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<td>PRCA (Professional Ropes Course Association)</td>
<td>ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation &amp; Training Standards (new standard)</td>
<td>PINS Date: Dec 23, 2005</td>
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<td>PSAI (Portable Sanitation Association International)</td>
<td>ANSI/PSAI Z4.3-2016, Sanitation - Non-Sewered Waste Disposal Systems: Minimum Requirements (new standard)</td>
<td>PINS Date: Dec 13, 2013</td>
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<tr>
<td>PSAI (Portable Sanitation Association International)</td>
<td>ANSI/PSAI Z4.4-2016, Sanitation in Fields and Temporary Labor Camps: Minimum Requirements (new standard)</td>
<td>PINS Date: Dec 13, 2013</td>
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<tr>
<td>RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)</td>
<td>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)</td>
<td>PINS Date: Sep 18, 2020</td>
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### RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  (national adoption of ISO 16840-2, ISO 16840-3, ISO 16840-6, ISO TS 16840-12 with modifications and revision of ANSI/RESNA WC-3-2013)
  PINS Date: Feb 7, 2014 | Public Review Date: Aug 10, 2018 | Final Action Date: Jan 16, 2019 | Approved

  (national adoption of ISO 10865-1:2012 with modifications and revision of ANSI/RESNA WC Volume 4-2012)
  PINS Date: Apr 5, 2013 | Public Review Date: May 5, 2017 | Final Action Date: Nov 27, 2017 | Approved

### RESNET (Residential Energy Services Network, Inc.)

- ANSI/RESNET 1201-2016 (R2021), Standard Method of Test for the Evaluation of Building Energy Analysis Model Calibration Methods  
  (reaffirmation of ANSI/RESNET 1201-2016)
  Public Review Date: Oct 8, 2021 | Final Action Date: Dec 17, 2021 | Approved

  (new standard)
  PINS Date: Apr 26, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Jun 23, 2020 | Approved

- ANSI/RESNET/ICC 301-2019 Addendum C-2021, Default Values for Duct Leakage to Outside  
  (addenda to ANSI/RESNET/ICC 301-2019)
  Public Review Date: Sep 17, 2021 | Final Action Date: Mar 1, 2022 | Approved

- ANSI/RESNET/ICC 301-2019 Addendum D-2022, CO2 Rating Index  
  (addenda to ANSI/RESNET/ICC 301-2019)
  Public Review Date: Nov 19, 2021 | Final Action Date: Mar 4, 2022 | Approved

  (addenda to ANSI/RESNET/ICC 301-2022)
  Public Review Date: May 27, 2022 | Final Action Date: Jul 29, 2022 | Approved

- ANSI/RESNET/ICC 301-2022 Addendum B-2022, CO2e Index  
  (addenda to ANSI/RESNET/ICC 301-2022)
  Public Review Date: Aug 12, 2022 | Final Action Date: Oct 12, 2022 | Approved

- ANSI/RESNET/ICC 380-2019, Standard for Testing Airtightness of Building, Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems  
  (revision of ANSI/RESNET/ICC 380-2016)
  Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

- ANSI/RESNET/ICC 380-2022, Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems  
  (revision and redesignation of ANSI/RESNET/ICC 380-2019)
  Public Review Date: Feb 18, 2022 | Final Action Date: May 10, 2022 | Approved

  (new standard)
  PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved
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| 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 |
PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved |
| RVIA (Recreational Vehicle Industry Association) | ANSI A119.5-2020, Park Model Recreational Vehicle Standard  (revision of ANSI A119.5-2015)  
PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved |
| | ANSI/RVIA EGS-1-2022, Engine Generator Sets for Recreational Vehicle Safety Requirements  (revision of ANSI/RVIA EGS-1-2018)  
PINS Date: Aug 6, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: May 3, 2022 | Approved |
| | ANSI/RVIA EXTLAD-1-2019, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles  (new standard)  
PINS Date: Jun 30, 2017 | Public Review Date: Jun 14, 2019 | Final Action Date: Jul 19, 2019 | Approved |
PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved |
| | ANSI/RVIA RVEC-1-2021, Recommended Practice Testing Requirements of Exterior Components for Recreational Vehicles  (new standard)  
PINS Date: Jun 5, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Aug 9, 2021 | Approved |
| | ANSI/RVIA TSIC-1-2018, Recommended Practice Process Controls for Assembly of Wheels on Trailers  (revision of ANSI/RVIA TSIC-1-2008 (R2013))  
PINS Date: May 5, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Apr 10, 2018 | Approved |
| | ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles  (revision of ANSI/RVIA UPA-1-2014)  
PINS Date: Apr 13, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Mar 8, 2019 | Approved |
PINS Date: May 17, 2017 | Public Review Date: Nov 9, 2018 | Final Action Date: Jun 13, 2018 | Approved |
PINS Date: Mar 16, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 23, 2019 | Approved |
| | ANSI/SAAMI Z299.3-2015, Voluntary Performance Standards for Pressure and Velocity of Centerfire Pistol and Revolver Ammunition for Use by Commercial Manufacturers  (new standard)  
PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | Approved |
SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

- ANSI/SAAMI Z299.4-2015, Voluntary Industry Performance Standards for Pressure and Velocity of Centerfire Rifle Sporting Ammunition for Use by Commercial Manufacturers (new standard)
  PINS Date: Mar 25, 2005 | Public Review Date: Nov 9, 2018 | Final Action Date: Dec 14, 2015 | Approved

  PINS Date: May 22, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Mar 14, 2016 | Approved

SAE (SAE International)

  PINS Date: Sep 25, 2009 | Public Review Date: Mar 12, 2010 | Final Action Date: May 27, 2010 | Approved

  PINS Date: May 29, 2015 | Public Review Date: Jun 1, 2018 | Final Action Date: Mar 21, 2019 | Approved

SAIA (ASC A11) (Scaffold & Access Industry Association)

  PINS Date: Aug 5, 2016 | Public Review Date: May 10, 2019 | Final Action Date: Nov 21, 2019 | Approved

SAIA (ASC A92) (Scaffold & Access Industry Association)

  Public Review Date: Aug 1, 2014 | Final Action Date: Dec 17, 2014 | Approved

  PINS Date: May 8, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Jul 28, 2021 | Approved

  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

  PINS Date: Oct 14, 2005 | Public Review Date: Dec 20, 2013 | Final Action Date: Mar 4, 2014 | Approved

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# SCTE (Society of Cable Telecommunications Engineers)

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<td>ANSI/SCTE 126-2019, Test Method for Distortion of 2-way Amplifiers Caused by Insufficient Isolation of Built in Diplex Filter</td>
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<td>ANSI/SCTE 127-2019, Carriage of Vertical Blanking Interval (VBI) Data in North American Digital Television Bitstreams</td>
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<td>ANSI/SCTE 128-01-2019, AVC Video Constraints for Cable Television Part 1- Coding</td>
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<td>Public Review Date: Feb 7, 2020</td>
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<td>ANSI/SCTE 128-2-2018, AVC Video Constraints for Cable Television Part 2 - Transport</td>
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SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Feb 5, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 7, 2022 | Approved

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- ANSI/SCTE 137-4-2017 (R2021), Modular Head End Architecture Part 4: Edge Resource Manager Interface (reaffirmation of ANSI/SCTE 137-4-2017)
  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

- 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

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### SCTE (Society of Cable Telecommunications Engineers)

- **ANSI/SCTE 165-16-2022, IPCablecom 1.5 Part 16: Management Event Mechanism** (revision of ANSI/SCTE 165-16 -2016)
  - PINS Date: Mar 25, 2022 | Public Review Date: Aug 12, 2022 | Final Action Date: Oct 13, 2022 | Approved

  - PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/SCTE 165-18-2016 (R2021), IPCablecom 1.5 Part 18: CMS to CMS Signaling** (reaffirmation of ANSI/SCTE 165 -18-2016)
  - PINS Date: Feb 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

  - PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/SCTE 165-2-2016 (R2021), IPCablecom 1.5 Part 2: Audio/Video Codecs** (reaffirmation of ANSI/SCTE 165-2 -2016)
  - PINS Date: Feb 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

  - PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/SCTE 165-21-2016 (R2021), IPCablecom 1.5 Part 21: Signaling Extension MIB** (reaffirmation of ANSI/SCTE 165-21-2016)
  - PINS Date: Feb 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- **ANSI/SCTE 165-3-2016 (R2021), IPCablecom 1.5 Part 3: Network-Based Call Signaling Protocol** (reaffirmation of ANSI/SCTE 165-3-2016)
  - PINS Date: Feb 5, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- **ANSI/SCTE 165-5-2019, IPCablecom 1.5 Part 5: MTA Device Provisioning** (revision of ANSI/SCTE 165-5-2009)
  - PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

- **ANSI/SCTE 166-2020, Flexure Method for Drop Cable Conditioning** (new standard)
  - PINS Date: Apr 17, 2015 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 15, 2020 | Approved

- **ANSI/SCTE 168-4-2019, Recommended Practice for Transport Stream Verification Metrics** (revision of ANSI/SCTE 168-4-2010)
  - PINS Date: Apr 24, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 10, 2019 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- **ANSI/SCTE 17-2018, Test Procedure for Carrier to Noise (C/N, CCN, CIN, CTN)** (new standard)
  - PINS Date: Dec 30, 2011 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

  - PINS Date: Apr 10, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Jul 14, 2020 | Approved

  - PINS Date: Jan 28, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | Approved
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<td>Approved</td>
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SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Nov 15, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 18, 2021 | Approved

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  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

- ANSI/SCTE 214-1-2022, MPEG DASH for IP-Based Cable Services Part 1: MPD Constraints and Extensions (revision of ANSI/SCTE 214-1-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: May 20, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/SCTE 214-2-2022, MPEG DASH for IP-Based Cable Services Part 2: DASH/TS Profile (revision of ANSI/SCTE 214-2-2016)
  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

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  PINS Date: Nov 15, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/SCTE 217-2017, MPEG DASH Reference Architecture for IP-based Cable Services (new standard)
  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

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SCTE (Society of Cable Telecommunications Engineers)

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- 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: Mar 25, 2022 | Public Review Date: Jun 24, 2022 | Final Action Date: Sep 29, 2022 | Approved

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- 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

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  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

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<td>Trunking Gateway Control Protocol (TGCP)</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
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<td>24-2-2016</td>
<td>Audio Codec Requirements for the Provision of Bi-directional Audio Service over Cable Television Networks Using Cable Modems</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
<td>Apr 12, 2022</td>
<td>Approved</td>
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<td>24-22-2018</td>
<td>ILBCv2.0 Speech Codec Specification for Voice over IP Applications in Cable Telephony</td>
<td>Mar 2, 2018</td>
<td>Sep 7, 2018</td>
<td>Oct 30, 2018</td>
<td>Approved</td>
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<td>24-3-2016</td>
<td>Network Call Signaling Protocol for the Delivery of Time-Critical Services over Cable Television Using Data Modems</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
<td>Apr 12, 2022</td>
<td>Approved</td>
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<td>24-4-2016</td>
<td>Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
<td>Apr 12, 2022</td>
<td>Approved</td>
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<td>24-5-2016</td>
<td>Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
<td>Apr 12, 2022</td>
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<td>24-6-2016</td>
<td>Management Information Base (MIB) Framework</td>
<td>Feb 5, 2021</td>
<td>Feb 4, 2022</td>
<td>Apr 12, 2022</td>
<td>Approved</td>
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<tr>
<td>24-7-2016</td>
<td>Media Terminal Adapter (MTA) Management Information Base (MIB) Requirements</td>
<td>Feb 5, 2021</td>
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<td>24-8-2016</td>
<td>Signaling Management Information Base (MIB) Requirements</td>
<td>Feb 5, 2021</td>
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SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

  PINS Date: Jan 28, 2022 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Sep 15, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 16, 2018 | Approved

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  PINS Date: Jun 9, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Dec 21, 2017 | Approved

  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
SCTE (Society of Cable Telecommunications Engineers)

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  PINS Date: Jan 28, 2022 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 8, 2022 | Approved

- ANSI/SCTE 250-2022, Real-time Event Signaling and Management API (revision of ANSI/SCTE 250-2020)
  PINS Date: Jan 29, 2021 | Public Review Date: Sep 2, 2022 | Final Action Date: Nov 21, 2022 | Approved

  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

  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
SCTE (Society of Cable Telecommunications Engineers)

- 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

  PINS Date: Sep 18, 2020 | Public Review Date: Oct 23, 2020 | Final Action Date: May 5, 2022 | Approved

- ANSI/SCTE 262-3-2020, DOCSIS 4.0 Part 3: Cable Modem Operations Support System Interface Specification  (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Oct 23, 2020 | Final Action Date: May 5, 2022 | Approved

- ANSI/SCTE 262-4-2020, DOCSIS 4.0 Part 4: CCAP™ Operations Support System Interface Specification  (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Oct 23, 2020 | Final Action Date: May 5, 2022 | Approved

- ANSI/SCTE 262-5-2020, DOCSIS 4.0 Part 5: Security Specification  (new standard)
  PINS Date: Sep 18, 2020 | Public Review Date: Oct 23, 2020 | Final Action Date: May 5, 2022 | Approved

- ANSI/SCTE 264-2021, Broadband Radio Frequency Hardline Taps for Cable Systems  (new standard)
  PINS Date: Oct 30, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 265-2021, Broadband Radio Frequency Hardline Passives for Cable Systems  (new standard)
  PINS Date: Dec 11, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 267-2021, Optimum Load Shaping for Electric Vehicle and Battery Charging  (new standard)
  PINS Date: Oct 16, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 269-2021, Test Procedure for F Port Center Conductor Retention Force  (new standard)
  PINS Date: Apr 18, 2008 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 27-2016 (R2021), Subtitling Methods for Broadcast Cable  (reaffirmation of ANSI/SCTE 27-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/SCTE 271-2021, Requirements for Power Sensing in Cable and Utility Networks  (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/SCTE 272-2021, Standardized Loading for Reverse-Path Bit Error Ratio Testing  (new standard)
  PINS Date: Jul 8, 2011 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/SCTE 275-2021, Electrical Grounding and Bonding for Cable Broadband Network Critical Facilities  (new standard)
  PINS Date: Sep 24, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 18, 2022 | Approved

- ANSI/SCTE 277-2022, Linear Contribution Encoding Specification  (new standard)
  PINS Date: Dec 31, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 22, 2022 | Approved
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<td>ANSI/SCTE 41-2016 (R2021)</td>
<td>POD Copy Protection System (reaffirmation of ANSI/SCTE 41-2016)</td>
<td>PINS Date: Jan 15, 2021</td>
<td>Public Review Date: Sep 3, 2021</td>
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<td>ANSI/SCTE 42-2019</td>
<td>IP Multicast for Digital MPEG Networks (new standard)</td>
<td>PINS Date: Jul 19, 2019</td>
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<td>Final Action Date: Oct 28, 2019</td>
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<td>ANSI/SCTE 44-2018</td>
<td>Test Method for DC Loop Resistance (revision of ANSI/SCTE 44-2010)</td>
<td>PINS Date: Apr 17, 2015</td>
<td>Public Review Date: Jul 27, 2018</td>
<td>Final Action Date: Oct 18, 2018</td>
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<td>ANSI/SCTE 45-2022</td>
<td>Test Method for Group Delay (revision of ANSI/SCTE 45-2017)</td>
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<td>Public Review Date: Jul 29, 2022</td>
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**SCTE (Society of Cable Telecommunications Engineers)**

- 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

  - PINS Date: Dec 25, 2015 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

- ANSI/SCTE 53-2019, Methods for Asynchronous Data Services Transport (new standard)
  - PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  - PINS Date: Nov 15, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

  - PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  - PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

- ANSI/SCTE 56-2016 (R2021), Digital Multiprogram Distribution by Satellite (reaffirmation of ANSI/SCTE 56-2016)
  - PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 7, 2022 | Approved

- ANSI/SCTE 57-2016 (R2021), System Information for Satellite Distribution of Digital Television for Cable and MMDS (reaffirmation of ANSI/SCTE 57-2016)
  - PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

  - PINS Date: Jun 3, 2022 | Public Review Date: Jul 22, 2022 | Final Action Date: Sep 29, 2022 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - PINS Date: Mar 26, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/SCTE 62-2018, Measurement Procedure for Noise Figure (revision of ANSI/SCTE 62-2012)
  - PINS Date: Dec 9, 2016 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 31, 2018 | Approved

  - PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/SCTE 65-2016 (R2021), Service Information Delivered Out-Of-Band For Digital Cable Television (reaffirmation of ANSI/SCTE 65-2016)
  - PINS Date: Jan 15, 2021 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved
# SCTE (Society of Cable Telecommunications Engineers)

  
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  PINS Date: Oct 21, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Jun 15, 2018 | Approved

- **ANSI/SCTE 68-2018**, Drop Passives: Matching Transformers 75 Ohm to 300 Ohm  (revision of ANSI/SCTE 68-2013)
  
  PINS Date: Mar 2, 2018 | Public Review Date: May 25, 2018 | Final Action Date: Feb 5, 2019 | Approved

  
  PINS Date: Feb 15, 2013 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

  
  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

  
  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

  
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  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved
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  - PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

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  - Public Review Date: Aug 19, 2022 | Final Action Date: Oct 13, 2022 | Approved

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  - Public Review Date: Aug 19, 2022 | Final Action Date: Oct 13, 2022 | 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

  - PINS Date: Jul 26, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 20, 2017 | Approved

  - PINS Date: May 12, 2017 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

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  - PINS Date: Mar 2, 2018 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 18, 2022 | Approved

  - Public Review Date: Aug 19, 2022 | Final Action Date: Oct 13, 2022 | Approved
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  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

  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 A250.4-2022, Physical Endurance for Steel Doors, Frames and Frame Anchors (revision of ANSI A250.4-2018)
  PINS Date: Jul 8, 2022 | Public Review Date: Sep 16, 2022 | Final Action Date: Oct 17, 2022 | 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

- ANSI/BHMA A156.115-2016, Hardware Preparation In Steel Doors And Steel Frames (revision of ANSI/BHMA A156.115-2014)
  PINS Date: Jan 8, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/SDI/BHMA A250.13-2014 (R2018), Testing & Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies for Protection of Building Envelopes (Not applicable for FEMA 320/361 or ICC 500 Shelters) (reaffirmation and redesignation of ANSI A250.13-2014)
  Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

SDI (Canvass) (Steel Deck Institute)

  PINS Date: Jun 16, 2017 | Public Review Date: Dec 4, 2020 | Final Action Date: May 20, 2021 | Approved
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<td>ANSI/SDI RD-2017, Standard for Steel Roof Deck (revision of ANSI/SDI RD-2010)</td>
<td>PINS Date: Nov 21, 2014</td>
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<td>ANSI/SDI-C-2017, Standard for Composite Steel Floor Deck Slabs (revision of ANSI/SDI C-2011)</td>
<td>PINS Date: Nov 21, 2014</td>
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<td>SERI (Sustainable Electronics Recycling International)</td>
<td>ANSI/SERI R2-V3-2020, The Sustainable Electronics Reuse &amp; Recycling (R2) Standard (new standard)</td>
<td>PINS Date: Nov 23, 2018</td>
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<td>SIMA (Snow and Ice Management Association)</td>
<td>ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard)</td>
<td>PINS Date: Jul 5, 2019</td>
</tr>
</tbody>
</table>

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SLAS (Society for Laboratory Automation and Screening)

  Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

  Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | Approved

SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

  PINS Date: Nov 16, 2012 | Public Review Date: May 24, 2013 | Final Action Date: Aug 26, 2013 | Approved

- ANSI/SMACNA 006-2020, HVAC Duct Construction Standards - Metal and Flexible (new standard)
  PINS Date: Sep 13, 2013 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 11, 2020 | Approved

- ANSI/SMACNA 007-2016, Residential Comfort System Installation Standards (new standard)
  PINS Date: Mar 24, 2006 | Public Review Date: Oct 3, 2014 | Final Action Date: Dec 11, 2016 | Approved

  PINS Date: Jul 29, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 27, 2017 | Approved

- ANSI/SMACNA 014-2013, HVAC Systems Commissioning Manual (new standard)
  PINS Date: Mar 24, 2006 | Public Review Date: Nov 16, 2012 | Final Action Date: Oct 2, 2013 | Approved

- ANSI/SMACNA 022-2015, Phenolic Duct Construction Standards (new standard)
  PINS Date: Jul 25, 2014 | Public Review Date: Jan 2, 2015 | Final Action Date: Feb 12, 2015 | Approved

SPRI (Single Ply Roofing Industry)

  PINS Date: Aug 10, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 25, 2019 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Jun 3, 2019 | Approved

- ANSI/SPRI FX-1-2021, Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners (revision of ANSI/SPRI FX-1-2016)
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 1, 2021 | Approved

  Public Review Date: May 28, 2021 | Final Action Date: Jul 8, 2022 | Approved

- ANSI/SPRI IA-1-2021, Standard Field Test Procedure for Verifying the Suitability of Roof Substrates and Adhesives (revision of ANSI/SPRI IA-1-2015)
  PINS Date: May 8, 2020 | Public Review Date: Jan 1, 2021 | Final Action Date: Jul 12, 2021 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: May 31, 2019 | Final Action Date: Jul 25, 2019 | Approved

  PINS Date: Nov 19, 2021 | Public Review Date: Jun 3, 2022 | Final Action Date: Jul 11, 2022 | Approved
<table>
<thead>
<tr>
<th>Standard</th>
<th>PINS Date:</th>
<th>Public Review Date:</th>
<th>Final Action Date:</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/SVIA 1-2017, Four Wheel All-Terrain Vehicles</td>
<td>Jan 1, 2016</td>
<td>Dec 16, 2016</td>
<td>Jun 8, 2017</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/TAPPI T 1009 om-2022, Tensile strength and elongation at break for fiber glass mats</td>
<td>Mar 27, 2020</td>
<td>Jan 28, 2022</td>
<td>Jan 14, 2022</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/TAPPI T 1012 om-2015, Moisture content of fiber glass mats</td>
<td>Sep 19, 2014</td>
<td>Feb 27, 2015</td>
<td>Jun 9, 2015</td>
<td>Approved</td>
</tr>
<tr>
<td>ANSI/TAPPI T 1013 om-2010 (R2022), Loss on ignition of fiber glass mats</td>
<td>May 24, 2019</td>
<td>Aug 26, 2022</td>
<td>Oct 28, 2022</td>
<td>Approved</td>
</tr>
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<td>Approved American National Standards</td>
<td>The data in this document is reported as of Monday, December 12, 2022</td>
<td></td>
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<td></td>
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<td>---------------------------------------------------------------------</td>
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</table>

**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 (R2022), Units of measurement and conversion factors  (reaffirmation of ANSI/TAPPI T 1210 sp-2018)  
PINS Date: Mar 18, 2022 | Public Review Date: Sep 16, 2022 | Final Action Date: Nov 3, 2022 | Approved |

PINS Date: Apr 27, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved |

| ANSI/TAPPI T 1212 sp-2021, Light sources for evaluating papers including those containing fluorescent whitening agents  (revision of ANSI/TAPPI T 1212 sp-2012)  
PINS Date: May 13, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved |

| ANSI/TAPPI T 1214 sp-2022, Interrelation of reflectance, R0; reflectivity, R; TAPPI opacity, C0.89; scattering, s; and absorption, k  (new standard)  
PINS Date: Dec 10, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | 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 (R2022), Indices for whiteness, yellowness, brightness, and luminous reflectance factor  (reaffirmation of ANSI/TAPPI T 1216 sp-2018)  
PINS Date: Mar 18, 2022 | Public Review Date: Sep 16, 2022 | Final Action Date: Nov 3, 2022 | 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 |

| ANSI/TAPPI T 1219 sp-2022, Storage of paper samples for optical measurements and color matching  (new standard)  
PINS Date: Dec 10, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved |

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| 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-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 (R2022), One percent sodium hydroxide solubility of wood and pulp  (reaffirmation of ANSI/TAPPI T 212 om-2012 (R2018))
  Public Review Date: Aug 26, 2022 | Final Action Date: Nov 3, 2022 | Approved

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- ANSI/TAPPI T 218 sp-2018, Forming handsheets for reflectance testing of pulp (Bchner 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-2021, Physical testing of pulp handsheets  (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 222 om-2021, Acid insoluble lignin in wood and pulp  (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 1, 2021 | Approved

- 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

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- ANSI/TAPPI T 236 om-2022, Kappa number of pulp  (revision of ANSI/TAPPI T 236 om-2013)
  PINS Date: Nov 19, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | 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

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- ANSI/TAPPI T 252 om-2022, pH and electrical conductivity of hot water extracts of pulp, paper, and paperboard  (new standard)
  PINS Date: Jul 2, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 257 sp-2014 (R2021), Sampling and preparing wood for analysis  (reaffirmation of ANSI/TAPPI T 257 sp-2014)
  PINS Date: Mar 8, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 258 om-2021, Basic density and moisture content of pulpwod  (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved
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- ANSI/TAPPI T 262 sp-2012 (R2022), Preparation of mechanical pulps for testing (reaffirmation of ANSI/TAPPI T 262 sp-2012 (R2018))
  PINS Date: Mar 18, 2022 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 266 om-2018, Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy (new standard)
  PINS Date: May 8, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 268 om-2013 (R2022), Weight-volume measurement of pulpwood (reaffirmation of ANSI/TAPPI T 268 om-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 271 om-2012 (R2018), Fiber length of pulp and paper by automated optical analyzer using polarized light (reaffirmation of ANSI/TAPPI T 271 om-2012)
  PINS Date: Jan 19, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Dec 31, 2018 | Approved

  PINS Date: Aug 12, 2016 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 274 sp-2022, Laboratory screening of pulp (MasterScreen-type instrument) (revision of ANSI/TAPPI T 274 sp-2013)
  PINS Date: Jul 30, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 275 sp-2018, Screening of pulp (Somerville-type equipment) (new standard)
  PINS Date: Jul 15, 2016 | Public Review Date: Apr 20, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 277 sp-2014 (R2021), Macro stickies content in pulp: the pick-up method (reaffirmation of ANSI/TAPPI T 277 sp-2014)
  PINS Date: Mar 8, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 278 sp-2021, Pulp screening (Valley-type screening device) (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 281 sp-2018 (R2022), Open drum washer mat sampling technique (reaffirmation of ANSI/TAPPI T 281 sp-2018)
  PINS Date: Mar 18, 2022 | Public Review Date: Sep 16, 2022 | Final Action Date: Nov 3, 2022 | Approved

- ANSI/TAPPI T 282 om-2013 (R2019), Hexeneuronic acid content of chemical pulp (reaffirmation of ANSI/TAPPI T 282 om-2013)
  PINS Date: Mar 30, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

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

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- ANSI/TAPPI T 402 sp-2021, Standard conditioning and testing atmospheres for paper, board, pulp handsheets, and related products (revision of ANSI/TAPPI T 402 sp-2013)
  PINS Date: Oct 2, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 403 om-2022, Bursting strength of paper (revision of ANSI/TAPPI T 403 om-2015)
  PINS Date: Jul 30, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Nov 8, 2022 | Approved

- ANSI/TAPPI T 406 om-2013, Reducible sulfur in paper and paperboard (new standard)
  PINS Date: Aug 3, 2012 | Public Review Date: Feb 22, 2013 | Final Action Date: Jun 12, 2013 | Approved

- ANSI/TAPPI T 409 sp-2015, Machine direction of paper and paperboard (new standard)
  PINS Date: Sep 13, 2013 | Public Review Date: Oct 3, 2014 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 410 om-2013 (R2019), Grammage of paper and paperboard (weight per unit area) (reaffirmation of ANSI/TAPPI T 410 om-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/TAPPI T 411 om-2015 (R2021), Thickness (caliper) of paper, paperboard, and combined board (reaffirmation of ANSI/TAPPI T 411 om-2015)
  PINS Date: May 17, 2019 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 412 om-2022, Moisture in pulp, paper and paperboard (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI/TAPPI T 413 om-2022, Ash in wood, pulp, paper and paperboard: combustion at 900°C (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 414 om-2021, Internal tearing resistance of paper (Elmendorf-type method) (new standard)
  PINS Date: Feb 16, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 419 om-2018 (R2022), Starch in paper (reaffirmation of ANSI/TAPPI T 419 om-2018)
  PINS Date: Mar 18, 2022 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 425 om-2021, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (revision of ANSI/TAPPI T 425 om-2011)
  PINS Date: Mar 27, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 428 om-2021, Hot water extractable acidity or alkalinity of paper (revision of ANSI/TAPPI T 428 om-2013)
  PINS Date: Aug 14, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 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: Jun 17, 2016 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 448 om-2021, Water vapor transmission rate of paper and paperboard at 23 degrees C and 50% RH (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 2, 2021 | Approved
<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/TAPPI T 452 om-2018</td>
<td>Brightness of pulp, paper, and paperboard (directional reflectance at 457 nm) (new standard)</td>
<td>Approved (PINS Date: Mar 23, 2012</td>
</tr>
<tr>
<td>ANSI/TAPPI T 453 sp-2013 (R2020)</td>
<td>Effect of dry heat on properties of paper and board (reaffirmation of ANSI/TAPPI T 453 sp-2013)</td>
<td>Approved (PINS Date: Jun 8, 2018</td>
</tr>
<tr>
<td>ANSI/TAPPI T 455 sp-2014 (R2020)</td>
<td>Identification of wire side of paper (reaffirmation of ANSI/TAPPI T 455 sp-2014)</td>
<td>Approved (PINS Date: Feb 1, 2019</td>
</tr>
<tr>
<td>ANSI/TAPPI T 459 om-2021</td>
<td>Surface strength of paper (wax pick test) (revision of ANSI/TAPPI T 459 om-2013)</td>
<td>Approved (PINS Date: Oct 2, 2020</td>
</tr>
<tr>
<td>ANSI/TAPPI T 460 om-2021</td>
<td>Air resistance of paper (Gurley method) (new standard)</td>
<td>Approved (PINS Date: Mar 27, 2020</td>
</tr>
<tr>
<td>ANSI/TAPPI T 464 om-2012 (R2022)</td>
<td>Water vapor transmission rate of paper and paperboard at high temperature and humidity (reaffirmation of ANSI/TAPPI T 464 om-2012 (R2018))</td>
<td>Approved (PINS Date: Mar 18, 2022</td>
</tr>
<tr>
<td>ANSI/TAPPI T 465 sp-2021</td>
<td>Static creasing of paper for water vapor transmission tests (new standard)</td>
<td>Approved (PINS Date: Mar 27, 2020</td>
</tr>
<tr>
<td>ANSI/TAPPI T 476 om-2021</td>
<td>Abrasion loss of paper and paperboard (Taber-type method) (revision of ANSI/TAPPI T 476 om-2011)</td>
<td>Approved (PINS Date: Mar 27, 2020</td>
</tr>
<tr>
<td>ANSI/TAPPI T 489 om-2022</td>
<td>Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2015)</td>
<td>Approved (PINS Date: Jul 2, 2021</td>
</tr>
<tr>
<td>ANSI/TAPPI T 491 om-2018</td>
<td>Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2013)</td>
<td>Approved (PINS Date: Apr 6, 2018</td>
</tr>
<tr>
<td>ANSI/TAPPI T 494 om-2022</td>
<td>Tensile properties of paper and paperboard (using constant rate of elongation apparatus) (revision of ANSI/TAPPI T 494 om-2013)</td>
<td>Approved (PINS Date: Jul 30, 2021</td>
</tr>
</tbody>
</table>
### Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

**TAPPI (Technical Association of the Pulp and Paper Industry)**

- **ANSI/TAPPI T 496 sp-2013 (R2019)**, Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials  
  (reaffirmation of ANSI/TAPPI T 496 sp-2013)  
  PINS Date: Apr 6, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | **Approved**

- **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**

- **ANSI/TAPPI T 511 om-2013 (R2020)**, Folding Endurance Of Paper (MIT Tester)  
  (reaffirmation of ANSI/TAPPI T 511 om-2013)  
  PINS Date: Feb 1, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | **Approved**

- **ANSI/TAPPI T 512 sp-2012 (R2021)**, Creasing of flexible packaging material paper specimens for testing  
  (reaffirmation of ANSI/TAPPI T 512 sp-2012)  
  PINS Date: Feb 23, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | **Approved**

- **ANSI/TAPPI T 515 om-2020**, Visual grading and color matching of paper  
  (revision of ANSI/TAPPI T 515 om-2014)  
  PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | **Approved**

- **ANSI/TAPPI T 519 om-2022**, Diffuse opacity of paper (d/0 paper backing)  
  (new standard)  
  PINS Date: Dec 10, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | **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-2022**, Diffuse brightness of paper, paperboard and pulp (d/0) -- ultraviolet level C  
  (new standard)  
  PINS Date: Sep 17, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | **Approved**

- **ANSI/TAPPI T 527 om-2013 (R2020)**, Color of paper and paperboard (d/0, C/2)  
  (reaffirmation of ANSI/TAPPI T 527 om-2013)  
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | **Approved**

- **ANSI/TAPPI T 529 om-2014 (R2021)**, Surface pH measurement of paper  
  (reaffirmation of ANSI/TAPPI T 529 om-2014)  
  PINS Date: Feb 8, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | **Approved**

- **ANSI/TAPPI T 530 om-2018**, Size test for paper by ink resistance (Hercules-type method)  
  (reaffirmation and redesignation of ANSI/TAPPI T 530 om-2012)  
  PINS Date: Jun 17, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jul 10, 2018 | **Approved**

- **ANSI/TAPPI T 534 om-2022**, Brightness of clay and other mineral pigments(d/0 diffuse)  
  (new standard)  
  PINS Date: May 17, 2019 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | **Approved**

- **ANSI/TAPPI T 536 om-2018 (R2022)**, Resistance of paper to passage of air (high-pressure Gurley method)  
  (reaffirmation of ANSI/TAPPI T 536 om-2018)  
  PINS Date: Mar 18, 2022 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | **Approved**

- **ANSI/TAPPI T 537 om-2021**, Dirt count in paper and paperboard (optical character recognition - OCR)  
  (new standard)  
  PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | **Approved**

- **ANSI/TAPPI T 538 om-2022**, Roughness of paper and paperboard (Sheffield method)  
  (new standard)  
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | **Approved**

- **ANSI/TAPPI T 541 om-2021**, Internal bond strength of paperboard (z-direction tensile)  
  (new standard)  
  PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 2, 2021 | **Approved**
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 543 om-2022, Bending resistance of paper (Gurley-type tester) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 545 om-2020, Cross-machine grammage profile measurement (gravimetric method) (new standard)
  PINS Date: Aug 7, 2015 | Public Review Date: Aug 16, 2019 | Final Action Date: Jan 31, 2020 | Approved

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- ANSI/TAPPI T 547 om-2012 (R2018), Air permeance of paper and paperboard (Sheffield method) (reaffirmation of ANSI/TAPPI T 547 om-2012)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jun 12, 2018 | Approved

- ANSI/TAPPI T 549 om-2020, Coefficients Of Static And Kinetic Friction Of Uncoated Writing And Printing Paper By Use Of The Horizontal Plane Method (new standard)
  PINS Date: Apr 6, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 550 om-2013 (R2022), Determination of equilibrium moisture in pulp, paper and paperboard for chemical analysis (reaffirmation of ANSI/TAPPI T 550 om-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 553 om-2020, Alkalinity Of Paper As Calcium Carbonate (Alkaline Reserve Of Paper) (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 555 om-2022, Roughness of paper and paperboard (Print-surf method) (revision of ANSI/TAPPI T 555 om-2015)
  PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 556 om-2021, Bending resistance of paper and paperboard by single-point bending methods (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 558 om-2010 (R2020), Surface Wettability And Absorbency Of Sheeted Materials Using An Automated Contact Angle Tester (reaffirmation of ANSI/TAPPI T 558 om-2010 (R2015))
  PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 560 om-2021, CIE whiteness and tint of paper and paperboard (d/0 geometry, C/2 illuminant/observer) (new standard)
  PINS Date: Jun 27, 2014 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 562 om-2021, CIE whiteness and tint of paper and paperboard (45/0 geometry, C/2 illuminant/observer) (new standard)
  PINS Date: Jul 25, 2014 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 563 om-2015 (R2021), 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)
  PINS Date: May 10, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 564 sp-20212x, Transparent chart for the estimation of defect size (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 2, 2021 | Approved
ANSI/TAPPI T 566 om-2021, Bending resistance (stiffness) of paper (Taber-type tester in 0 to 10 Taber stiffness unit configuration) (new standard)  
PINS Date: May 17, 2019 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 2, 2021 | Approved

ANSI/TAPPI T 567 om-2020, Determination Of Effective Residual Ink Concentration (Eric) By Infrared Reflectance Measurement (new standard)  
PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

ANSI/TAPPI T 568 om-2012 (R2018), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis (reaffirmation of ANSI/TAPPI T 568 om-2012)  
PINS Date: Jul 8, 2016 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

ANSI/TAPPI T 569 om-2022, Internal bond strength (Scott type) (revision of ANSI/TAPPI T 569 om-2014)  
PINS Date: Nov 6, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

ANSI/TAPPI T 572 sp-2013 (R2021), Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus (reaffirmation of ANSI/TAPPI T 572 sp-2013)  
PINS Date: Apr 6, 2018 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 2, 2021 | Approved

ANSI/TAPPI T 573 sp-2021, Accelerated temperature aging of printing and writing paper by dry oven exposure apparatus (revision of ANSI/TAPPI T 573 sp-2015)  
PINS Date: Aug 27, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

ANSI/TAPPI T 577 om-2021, Score bend test (new standard)  
PINS Date: Dec 21, 2018 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

ANSI/TAPPI T 578 sp-2022, Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus (new standard)  
PINS Date: Mar 27, 2020 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

ANSI/TAPPI T 579 om-2018, Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65) (new standard)  
PINS Date: May 6, 2016 | Public Review Date: Nov 24, 2017 | Final Action Date: Jul 10, 2018 | Approved

ANSI/TAPPI T 580 om-2020, Thickness (Caliper) Of Towel, Tissue, Napkin And Facial Products (new standard)  
PINS Date: Feb 16, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

ANSI/TAPPI T 581 om-2022, Dry tensile properties of paper towel and tissue products (using constant rate of elongation apparatus) (new standard)  
PINS Date: Jan 29, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

ANSI/TAPPI T 600 om-2022, Analysis of formaldehyde in aqueous solutions and of free formaldehyde in resins (new standard)  
PINS Date: May 17, 2019 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

ANSI/TAPPI T 610 sp-2022, Preparation of indicators and standard solutions (new standard)  
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ANSI/TAPPI T 646 om-2022, Brightness of clay and other mineral pigments (45/0) (new standard)  
PINS Date: Nov 12, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jul 12, 2022 | Approved

ANSI/TAPPI T 648 om-2022, Viscosity of coating clay slurry (revision of ANSI/TAPPI T 648 om-2014)  
PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 653 om-2022, Specular gloss of paper and paperboard at 20 degrees (new standard)
  PINS Date: Sep 16, 2011 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 657 sp-2021, Sampling of fillers and pigments (revision of ANSI/TAPPI T 657 sp-2012)
  PINS Date: May 1, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 684 om-2022, Gross heating value of black liquor (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 692 om-2013, Determination of suspended solids in kraft green and white liquors (new standard)
  PINS Date: Jul 27, 2012 | Public Review Date: Nov 16, 2012 | Final Action Date: Jun 12, 2013 | Approved

- ANSI/TAPPI T 702 om-2022, Rheological measurements for characterization of polyolefins: low-density polyethylene (LDPE) for extrusion coating (revision of ANSI/TAPPI T 702 om-2014)
  PINS Date: Jul 30, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 802 om-2022, Drop test for fiberboard shipping containers (new standard)
  PINS Date: Jul 30, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 804 om-2020, Compression test of fiberboard shipping containers (revision of ANSI/TAPPI T 804 om-2010)
  PINS Date: Jul 31, 2015 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 809 om-2022, Flat crush of corrugating medium (CMT test) (new standard)
  PINS Date: Jul 30, 2021 | Public Review Date: Sep 16, 2022 | Final Action Date: Nov 8, 2022 | Approved

- ANSI/TAPPI T 810 om-2022, Bursting strength of corrugated board (new standard)
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  PINS Date: Jan 5, 2018 | Public Review Date: Sep 28, 2018 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/TAPPI T 815 om-2012 (R2018), Coefficient of static friction (slide angle) of packaging and packaging materials (including shipping sack papers, corrugated and solid fiberboard) (inclined plane method) (reaffirmation of ANSI/TAPPI T 815 om-2012)
  Public Review Date: Feb 9, 2018 | Final Action Date: Aug 2, 2018 | Approved

- ANSI/TAPPI T 821 om-2012 (R2022), Pin adhesion of corrugated board by selective separation (new standard)
  PINS Date: Jul 30, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 822 om-2022, Ring crush of paperboard (rigid support method) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- ANSI/TAPPI T 825 om-2014, Flat crush test of corrugated board (rigid support method) (new standard)
  PINS Date: May 10, 2013 | Public Review Date: Oct 4, 2013 | Final Action Date: Jun 11, 2014 | Approved

- ANSI/TAPPI T 826 om-2021, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 829 om-2021, Score quality test (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 830 om-2018, Ink rub test of containerboard and corrugated board (new standard)
  PINS Date: May 29, 2015 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 10, 2018 | Approved
### Approved American National Standards

#### TAPPI (Technical Association of the Pulp and Paper Industry)

- **ANSI/TAPPI T 831 om-2021**, Water absorption of corrugating medium: water drop penetration test (revision of ANSI/TAPPI T 831 om-2014)
  - PINS Date: Aug 14, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

  - PINS Date: Sep 24, 2021 | Public Review Date: Aug 26, 2022 | Final Action Date: Oct 28, 2022 | Approved

- **ANSI/TAPPI T 834 om-2012 (R2018)**, Determination of containerboard roll hardness (reaffirmation of ANSI/TAPPI T 834 om-2012)
  - PINS Date: Jul 29, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: Dec 31, 2018 | Approved

  - PINS Date: May 15, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- **ANSI/TAPPI T 836 om-2020**, Bending stiffness, four point method (revision of ANSI/TAPPI T 836 om-2013)
  - PINS Date: Sep 28, 2018 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 3, 2020 | Approved

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- **ANSI/TAPPI T 843 om-2020**, Fluted edge crush of corrugating medium (rigid support method) (new standard)
  - PINS Date: Sep 28, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- **ANSI/TAPPI T 844 om-2021**, Determining construction (nominal basis weight) of corrugated board (new standard)
  - PINS Date: Mar 6, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

- **ANSI/TAPPI T 845 om-2014 (R2020)**, Wet pin adhesion of corrugated board by selective separation (reaffirmation of ANSI/TAPPI T 845 om-2014)
  - PINS Date: Sep 28, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

#### TCATA (Textile Care Allied Trades Association)

- **ANSI Z8.1-2016 (R2022)**, Commercial Laundry Equipment and Operations - Safety Requirements (reaffirmation of ANSI Z8.1-2016)
  - PINS Date: Mar 26, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Sep 20, 2022 | Approved

#### TCIA (ASC A300) (Tree Care Industry Association)

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TCIA (ASC A300) (Tree Care Industry Association)

- ANSI A300 Part 3-2013, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Supplemental Support Systems) (revision of ANSI A300 Part 3-2006)
  PINS Date: Jun 17, 2011 | Public Review Date: Dec 21, 2012 | Final Action Date: May 6, 2013 | Approved

- ANSI A300 Part 4-2014, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 Part 4-2008)
  PINS Date: Jul 1, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 7, 2014 | Approved

- ANSI A300 Part 5-2019, Tree, Shrub and Other Woody Plant Management Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction) (revision of ANSI A300 Part 5-2012)
  PINS Date: Jan 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: May 23, 2019 | Approved

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

- ANSI A108.01-2016, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2013)
  PINS Date: Apr 11, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

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

- ANSI A108.02-2016, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2013)
  PINS Date: Oct 4, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- ANSI A108.02-2018, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2016)
  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI A108.02-2019, General Requirements: Materials, Environmental, and Workmanship (revision of ANSI A108.02-2016)
  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI A108.11-2018, Interior Installation of Cementitious Backer Units (revision of ANSI A108.11-2010 (R2016))
  PINS Date: Nov 11, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved
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- 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

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- 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

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

- 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

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- 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)
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- 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 (reaffirmation of ANSI A118.3-2013)
  PINS Date: Jan 12, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A118.4-2019, Standard Specifications for Modified Dry-Set Cement Mortar (revision of ANSI A118.4-2018)
  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.5-1999 (R2021), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation (reaffirmation of ANSI A118.5-1999 (R2016))
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved
## TCNA (ASC A108) (Tile Council of North America)

<table>
<thead>
<tr>
<th>Standard</th>
<th>Version Details</th>
<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Approval Status</th>
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<td>ANSI A118.6-2019, Standard Specifications for Standard Cement Grouts for Tile Installation (revision of ANSI A118.6-2010 (R2016))</td>
<td>PINS Date: Oct 19, 2018</td>
<td>Public Review Date: Apr 5, 2019</td>
<td>Final Action Date: Jun 18, 2019</td>
<td>Approved</td>
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<td>ANSI A118.7-2019, Standard Specifications for High Performance Cement Grouts for Tile Installation (revision of ANSI A118.7-2010 (R2016))</td>
<td>PINS Date: Oct 19, 2018</td>
<td>Public Review Date: Apr 5, 2019</td>
<td>Final Action Date: Jun 18, 2019</td>
<td>Approved</td>
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<td>PINS Date: Oct 19, 2018</td>
<td>Public Review Date: Apr 5, 2019</td>
<td>Final Action Date: Jun 21, 2019</td>
<td>Approved</td>
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<td>ANSI A136.1-2020, Standard Specifications for Organic Adhesives for Installation of Ceramic Tile (revision of ANSI A136.1-2008 (R2013))</td>
<td>PINS Date: Apr 6, 2018</td>
<td>Public Review Date: Jun 5, 2020</td>
<td>Final Action Date: Jul 27, 2020</td>
<td>Approved</td>
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<td>ANSI A137.2-2018, Standard Specification for Glass Tile (revision of ANSI A137.2-2013)</td>
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<td>Final Action Date: Nov 6, 2018</td>
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<td>Final Action Date: Mar 3, 2022</td>
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<td>ANSI A137.3-2021, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2017)</td>
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- ANSI/TIA 102.AAAB-B-2019, 102.AAAB-B Security Services Overview (new standard)
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- ANSI/TIA 102.AABC-D-1-2016, Trunking Control Channel Messages Addendum 1 (addenda to ANSI/TIA 102.AABC-D-2015)
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- 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)
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- ANSI/TIA 102.BAAD-B-2015, Conventional Procedures (new standard)
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- ANSI/TIA 102.BAEA-C-2015, Data Overview and Specification (revision and redesignation of ANSI/TIA 102.BAEA-B-2012)
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- ANSI/TIA 102.CAAA-C-1-2010, Digital C4FM/CQPSK Transceiver Measurement Methods - Addendum 1 - Faded Channel Simulator (addenda to ANSI/TIA 102.CAAA-C-2008)
  PINS Date: Nov 27, 2009 | Public Review Date: Jan 1, 2010 | Final Action Date: Jun 22, 2010 | Approved
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  PINS Date: May 18, 2012 | Public Review Date: Aug 31, 2012 | Final Action Date: Feb 5, 2013 | Approved

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  PINS Date: Sep 28, 2012 | Public Review Date: Mar 13, 2015 | Final Action Date: Aug 5, 2015 | Approved

  PINS Date: May 24, 2013 | Public Review Date: Sep 11, 2015 | Final Action Date: Oct 26, 2015 | Approved

- ANSI/TIA 1152-A-2016 (R2021), Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling (reaffirmation of ANSI/TIA 1152-A-2016)
  PINS Date: Apr 9, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Jul 15, 2021 | Approved

  PINS Date: Jul 3, 2015 | Public Review Date: Mar 17, 2017 | Final Action Date: Aug 21, 2017 | Approved

  Public Review Date: Oct 30, 2015 | Final Action Date: Jan 12, 2016 | Approved

  PINS Date: Jan 22, 2016 | Public Review Date: Jul 29, 2016 | Final Action Date: Mar 28, 2017 | Approved

- ANSI/TIA 1194-R1-2011 (R2017), Telecommunications - User Premises Equipment - Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines (reaffirmation of ANSI/TIA 1194-R1-2011)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved
### TIA (Telecommunications Industry Association)

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  - 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

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  - 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

  - PINS Date: Oct 21, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: May 3, 2012 | Approved

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  - 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
ANSI/TIA 41.322-E-2007 (R2013), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Forwarding  
(reaffirmation of ANSI/TIA 41.322-E-2007)  
Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

ANSI/TIA 41.323-E-2007 (R2013), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Waiting  
(reaffirmation of ANSI/TIA 41.323-E-2007)  
Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

ANSI/TIA 41.324-E-1 [E]-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction  (addenda to ANSI/TIA 41.324-E-2007)  
PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

ANSI/TIA 41.324-E-2007 (R2013), MOBILE APPLICATION PART (MAP)-VOICE FEATURE SCENARIOS: Calling Number Identification Presentation, Calling Number Identification Restriction  (reaffirmation of ANSI/TIA 41.324-E-2007)  
Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

ANSI/TIA 41.325-E-2012, Mobile Application Part: Voice Feature Scenarios: Conference Calling  (new standard)  
PINS Date: Mar 30, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

PINS Date: Mar 30, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

PINS Date: Mar 30, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

(addenda to ANSI/TIA 41.328-E-2012)  
PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

ANSI/TIA 41.328-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Mobile Access Hunting  (new standard)  
PINS Date: Jun 15, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

ANSI/TIA 41.329-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Message Waiting Notification  
(new standard)  
PINS Date: Jul 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

ANSI/TIA 41.330-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Password Call Acceptance / 
Selective Call Acceptance  (new standard)  
PINS Date: Oct 5, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved

(PACA)  (new standard)  
PINS Date: Dec 28, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved

PINS Date: Dec 28, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

Intercept  (new standard)  
PINS Date: Apr 25, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

PINS Date: Apr 25, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 9, 2012 | Approved
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<td>ANSI/TIA 41.600-E-2005 (R2012), Wireless Radiotelecommunications Intersystems - Introduction to Procedures (reaffirmation of ANSI/TIA 41.600-E-2005)</td>
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Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

TIA (Telecommunications Industry Association)

- ANSI/TIA 41.651-E-1 [E]-2012, Mobile Application Part (MAP) - Voice Features (addenda to ANSI/TIA 41.651-E-2005 (R2012))
  - PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

  - Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

  - Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 41.690-E-1 [E]-2012, Mobile Application Part (MAP) - Timers (addenda to ANSI/TIA 41.690-E-2005 (R2012))
  - PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

  - Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

  - PINS Date: Dec 23, 2011 | Public Review Date: May 4, 2012 | Final Action Date: Aug 14, 2012 | Approved

- 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)
  - PINS Date: Apr 20, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

- ANSI/TIA 41.691-E-2013, Mobile Application Part (MAP) Procedure Annexes (new standard)
  - PINS Date: Apr 27, 2012 | Public Review Date: Aug 3, 2012 | Final Action Date: Feb 6, 2013 | Approved

  - Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

- ANSI/TIA 41.730-E-2004 (R2010), Mobile Application Part - WIN Distributed Plane and Model (reaffirmation of ANSI/TIA 41.730-E-2004)
  - Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

  - Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

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  - PINS Date: Jul 5, 2013 | Public Review Date: Mar 17, 2017 | Final Action Date: Jul 12, 2017 | Approved

  - Public Review Date: Jan 20, 2012 | Final Action Date: Mar 22, 2013 | Approved

- 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))
  - PINS Date: May 22, 2015 | Public Review Date: Nov 6, 2015 | Final Action Date: Feb 3, 2016 | Approved
PINS Date: Oct 6, 2017 | Public Review Date: Apr 29, 2022 | Final Action Date: Nov 11, 2022 | Approved |
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Public Review Date: Jun 27, 2014 | Final Action Date: Dec 5, 2014 | Approved |
PINS Date: May 15, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Dec 3, 2020 | Approved |
Public Review Date: Jun 28, 2013 | Final Action Date: Sep 30, 2013 | Approved |
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| ANSI/TIA 455-141-1999 (R2013), Twist test for optical fiber ribbons  (reaffirmation of ANSI/TIA 455-141-1999 (R2005))  
Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved |
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 |
PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 3, 2020 | Approved |
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PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 3, 2020 | Approved |
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TIA (Telecommunications Industry Association)

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  Public Review Date: Jun 27, 2003 | Final Action Date: Nov 26, 2003 | Approved

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  Public Review Date: Jun 27, 2003 | Final Action Date: Nov 26, 2003 | Approved

  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
TIA (Telecommunications Industry Association)

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- ANSI/TIA 455-225-2015, FOTP-225 End-Face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets (identical national adoption of IEC 61745)
  PINS Date: Dec 12, 2014 | Public Review Date: Feb 13, 2015 | Final Action Date: Aug 11, 2015 | Approved

  PINS Date: Dec 12, 2014 | Public Review Date: Apr 3, 2015 | Final Action Date: Aug 11, 2015 | Approved

  Public Review Date: Jul 4, 2003 | Final Action Date: Aug 26, 2003 | Approved

  PINS Date: Jun 26, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Jul 31, 2018 | Approved

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  PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

  Public Review Date: Dec 5, 2014 | Final Action Date: Feb 24, 2015 | Approved

- ANSI/TIA 455-244-A-2020, Methods for Measuring the Change in Transmittance of Optical Fibers in Expressed Buffer Tubes When Subjected to Temperature Cycling (revised and redesignation of ANSI/TIA 455-244-2011)
  PINS Date: Jul 5, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Sep 18, 2020 | Approved

  PINS Date: Jun 27, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Feb 3, 2016 | Approved

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- ANSI/TIA 455-33-B-2005 (R2013), FOTP33 - Optical Fiber Cable Tensile Loading and Bending (reaffirmation of ANSI/TIA 455-33-B-2005)
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved

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TIA (Telecommunications Industry Association)

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

- ANSI/TIA 455-3B-2009 (R2014), Procedure to Measure Temperature Cycling Effects on Optical Fiber Units, Optical Cable, and Other Passive Fiber Optic components (reaffirmation of ANSI/TIA 455-3B-2009)
  Public Review Date: Feb 21, 2014 | Final Action Date: Aug 8, 2014 | Approved

  Public Review Date: Mar 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

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- ANSI/TIA 455-80-D-2020, FOTP-80 IEC-60793-1-44 Measurement Methods and Test Procedures- Cut-off Wavelength (identical national adoption of IEC-60793-1-44)
  PINS Date: Sep 20, 2013 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 15, 2020 | Approved

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

  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved
TIA (Telecommunications Industry Association)

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- 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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- ANSI/TIA 4957.000-A-2017, Overview and Architecture for a Field Area Network  (revision and redesignation of ANSI/TIA 4957.000-2010)
  PINS Date: Aug 7, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 6, 2017 | Approved

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- 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

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  Public Review Date: Nov 11, 2016 | Final Action Date: Feb 16, 2017 | Approved
TIA (Telecommunications Industry Association)

- ANSI/TIA 4966-1-2017, Telecommunications Infrastructure Standard for Educational Facilities, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 4966-2014)
  PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved

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- 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: Oct 1, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: May 11, 2022 | Approved
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<th>Date of Addendum</th>
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<td>ANSI/TIA 568.2-D-1-2019</td>
<td>Balun Requirements for Category 8 Testing (addenda to ANSI/TIA 568.2-D-2018)</td>
<td>Nov 2, 2018</td>
<td>Dec 28, 2018</td>
<td>Apr 9, 2019</td>
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## Approved American National Standards

### TIA (Telecommunications Industry Association)

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<tr>
<td>ANSI/TIA 568.4-E-2022</td>
<td>Broadband Coaxial Cabling and Components Standard</td>
<td>PINS: Feb 11, 2022</td>
<td>Final Action: Jul 11, 2022</td>
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<td>Telecommunications Pathways and Spaces: Addendum 1 - Revised Temperature and Humidity Requirements for Telecommunications Spaces</td>
<td>PINS: Jul 1, 2016</td>
<td>Final Action: Oct 21, 2016</td>
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<td>ANSI/TIA 569-D-2-2018</td>
<td>Telecommunications Pathways And Spaces: Addendum 2 Guidelines For Supporting Remote Powering</td>
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<td>ANSI/TIA 569-E-1-2022</td>
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<td>PINS: Feb 11, 2022</td>
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<td>Telecommunications Pathways and Spaces</td>
<td>PINS: Jul 27, 2018</td>
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<td>Optical Fiber Color Coding in Cable, Addendum 1, for Additional Colors for Fibers 13-16</td>
<td>PINS: Dec 12, 2014</td>
<td>Final Action: Aug 10, 2018</td>
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<td>Optical Fiber Cable Coding</td>
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<td>FOCIS-10 - Fiber Optic Connector Intermateability Standard, Type LC</td>
<td>PINS: Mar 13, 2020</td>
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## Approved American National Standards

### TIA (Telecommunications Industry Association)

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TIA (Telecommunications Industry Association)

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- 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

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### TIA (Telecommunications Industry Association)

  - Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | **Approved**

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  - Public Review Date: Apr 15, 2016 | Final Action Date: Jun 14, 2016 | **Approved**

  - PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | **Approved**

  - PINS Date: Aug 14, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Jun 17, 2022 | **Approved**

  - Public Review Date: Sep 14, 2012 | Final Action Date: Feb 4, 2013 | **Approved**

  - Public Review Date: Feb 19, 2016 | Final Action Date: Apr 12, 2016 | **Approved**
TIA (Telecommunications Industry Association)

  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: Apr 15, 2016 | Final Action Date: Nov 7, 2016 | 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: Oct 30, 2018 | Final Action Date: Feb 8, 2019 | 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: 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
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  PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | **Approved** |

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<th><strong>TMA (The Monitoring Association)</strong></th>
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<th><strong>TNI (The NELAC Institute)</strong></th>
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| 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** |

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<th><strong>TPI (Truss Plate Institute)</strong></th>
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<td>ANSI B74.16-2002</td>
<td>Checking the Size of Diamond and Cubic Boron Nitride Abrasive Grain (reaffirmation of ANSI B74.16-2002 (R2007))</td>
<td>Apr 19, 2013</td>
<td>Feb 6, 2014</td>
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</tbody>
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## Approved American National Standards

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

- **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

- **ANSI B74.4-1992 (R2019), Procedure for Bulk Density of Abrasive Grains** (reaffirmation of ANSI B74.4-1992 (R2013))
  - PINS Date: Oct 12, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 17, 2019 | Approved

### 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

  - Public Review Date: May 12, 2017 | Final Action Date: Aug 17, 2017 | Approved

  - Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved
ULSE (UL Standards & Engagement)

  Public Review Date: Mar 25, 2016 | Final Action Date: Jun 20, 2016 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Mar 6, 2017 | Approved

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  Public Review Date: Jun 22, 2018 | Final Action Date: Aug 6, 2018 | Approved

  Public Review Date: Aug 28, 2020 | Final Action Date: Oct 22, 2020 | Approved

- ANSI/UL 1004-10-2022, Standard for Pool Pump Motors (revision of ANSI/UL 1004-10-2020)
  Public Review Date: Jan 28, 2022 | Final Action Date: Mar 24, 2022 | Approved

  Public Review Date: Oct 18, 2019 | Final Action Date: Jan 30, 2020 | Approved

  Public Review Date: Nov 10, 2017 | Final Action Date: Jan 29, 2018 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: Jun 29, 2018 | Approved

- ANSI/UL 1004-4-2018a, Standard for Safety for Electric Generators (revision of ANSI/UL 1004-4-2015)
  Public Review Date: May 18, 2018 | Final Action Date: Jun 29, 2018 | Approved

  Public Review Date: Mar 13, 2020 | Final Action Date: May 6, 2020 | Approved

  Public Review Date: Jul 29, 2022 | Final Action Date: Nov 1, 2022 | 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
Approved American National Standards

ULSE (UL Standards & Engagement)

- 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

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  Public Review Date: Oct 4, 2019 | Final Action Date: Dec 13, 2019 | Approved

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

  Public Review Date: Apr 14, 2017 | Final Action Date: Sep 15, 2017 | Approved

  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved
ULSE (UL Standards & Engagement)

  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

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  Public Review Date: Nov 6, 2020 | Final Action Date: Feb 2, 2021 | Approved

  Public Review Date: Jan 29, 2021 | Final Action Date: Mar 19, 2021 | Approved

- ANSI/UL 1029-2012 (R2022), Standard for High-Intensity-Discharge Lamp Ballasts (reaffirmation of ANSI/UL 1029-2012 (R2017))
  Public Review Date: Apr 15, 2022 | Final Action Date: Jul 15, 2022 | Approved
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<td>ANSI/UL 1069-2018, The Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2017)</td>
<td>Public Review Date: Apr 27, 2018</td>
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ULSE (UL Standards & Engagement)

- ANSI/UL 1069-2022, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2020)
  Public Review Date: Dec 24, 2021 | Final Action Date: Feb 17, 2022 | Approved

- ANSI/UL 1069-2022a, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2022)
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  Public Review Date: Jan 17, 2020 | Final Action Date: Mar 12, 2020 | Approved

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  Public Review Date: Oct 23, 2015 | Final Action Date: Apr 6, 2018 | Approved

  Public Review Date: Jul 3, 2020 | Final Action Date: Feb 16, 2021 | Approved

- ANSI/UL 1077-2016 (R2021), Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (reaffirmation of ANSI/UL 1077-2016)
  Public Review Date: Sep 3, 2021 | Final Action Date: Nov 16, 2021 | Approved

- ANSI/UL 1081-2016, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2014)
  Public Review Date: Jan 22, 2016 | Final Action Date: Aug 9, 2016 | Approved

- ANSI/UL 1081-2016a, Standard for Safety for Swimming Pool Pumps, Filters, and Chlorinators (revision of ANSI/UL 1081-2016)
  Public Review Date: Sep 16, 2016 | Final Action Date: Oct 21, 2016 | Approved

  Public Review Date: Feb 3, 2017 | Final Action Date: May 26, 2017 | Approved

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<td>ANSI/UL 1082-2016</td>
<td>Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances</td>
<td>Mar 11, 2016</td>
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<td>ANSI/UL 1082-2016a</td>
<td>Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances, Proposals dated 5/13/16</td>
<td>May 13, 2016</td>
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<td>ANSI/UL 1082-2016c</td>
<td>Standard for Safety for Household Electric Coffee Makers and Brewing Type Appliances, Proposals Dated 8/19/16</td>
<td>Aug 19, 2016</td>
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### ULSE (UL Standards & Engagement)

  - Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | Approved

  - Public Review Date: Feb 4, 2022 | Final Action Date: Mar 14, 2022 | Approved

  - PINS Date: Jul 26, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Apr 20, 2022 | Approved

  - Public Review Date: Oct 29, 2021 | Final Action Date: Dec 16, 2021 | Approved

  - Public Review Date: Jan 21, 2022 | Final Action Date: Mar 10, 2022 | Approved

  - Public Review Date: Jan 3, 2020 | Final Action Date: May 4, 2020 | Approved

- **ANSI/UL 10C-2016 (R2021)**, Standard for Positive Pressure Fire Tests of Door Assemblies (reaffirmation of ANSI/UL 10C-2016)
  - Public Review Date: Feb 12, 2021 | Final Action Date: May 27, 2021 | Approved

  - 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 1, 2016 | Final Action Date: Jun 2, 2017 | Approved

  - Public Review Date: Sep 23, 2016 | Final Action Date: Jun 2, 2017 | Approved

  - Public Review Date: Feb 17, 2017 | Final Action Date: Jun 2, 2017 | Approved

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<td>ANSI/UL 120002-2022</td>
<td>Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations</td>
<td>(revision of ANSI/UL 120002-2009 (R2014))</td>
<td>Jan 21, 2022</td>
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**ULSE (UL Standards & Engagement)**

- 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

  - Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  - Public Review Date: Nov 15, 2019 | Final Action Date: Jan 30, 2020 | Approved

  - Public Review Date: Jun 26, 2020 | Final Action Date: Jul 31, 2020 | Approved

  - Public Review Date: Feb 5, 2021 | Final Action Date: Mar 31, 2021 | Approved

  - Public Review Date: Feb 25, 2022 | Final Action Date: Apr 5, 2022 | Approved

- ANSI/UL 1204-2018, Standard for Safety for Parts Cleaners (new standard)
  - PINS Date: Nov 3, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Jul 19, 2018 | Approved

  - Public Review Date: Jul 28, 2017 | Final Action Date: Oct 3, 2017 | Approved

  - Public Review Date: Jan 26, 2018 | Final Action Date: Mar 16, 2018 | Approved

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<td>Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 1, 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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<td>ANSI/UL 122001-2009</td>
<td>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))</td>
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ULSE (UL Standards & Engagement)

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## ULSE (UL Standards & Engagement)

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<td>ANSI/UL 1254-2020 (R2022), Standard for Pre-Engineered Dry and Wet Chemical Extinguishing System Units (December 3, 2021) (revision of ANSI/UL 1254-2020)</td>
<td>Dec 3, 2021</td>
<td>Feb 9, 2022</td>
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<td>ANSI/UL 1256-2013 (R2018), Standard for Fire Test of Roof Deck Constructions (reaffirmation of ANSI/UL 1256-2013)</td>
<td>Jun 8, 2018</td>
<td>Aug 10, 2018</td>
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<tr>
<td>ANSI/UL 1275-2021, Standard for Safety for Flammable Liquid Storage Cabinets (revision of ANSI/UL 1275-2010 (R2014))</td>
<td>May 7, 2021</td>
<td>Aug 26, 2021</td>
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- Public Review Date: Feb 3, 2017 | Final Action Date: Dec 20, 2017 | Approved

### ANSI/UL 1277-2017a, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2013)
- 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

- Public Review Date: Jul 6, 2018 | Final Action Date: Sep 12, 2018 | Approved

- Public Review Date: Feb 14, 2020 | Final Action Date: Jun 4, 2020 | Approved

### ANSI/UL 1277-2021, Standard for Safety for Electrical Power and Control Tray Cables with Optional Optical-Fiber Members (revision of ANSI/UL 1277-2020)
- Public Review Date: Jan 22, 2021 | Final Action Date: Apr 12, 2021 | Approved

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

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

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

### ANSI/UL 1278-2017a, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2016)
- Public Review Date: Aug 4, 2017 | Final Action Date: Sep 14, 2017 | Approved

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

### ANSI/UL 1278-2020, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2018)
- Public Review Date: Jun 19, 2020 | Final Action Date: Sep 10, 2020 | Approved

### ANSI/UL 1278-2022, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters (revision of ANSI/UL 1278-2020)
- Public Review Date: Dec 17, 2021 | Final Action Date: Feb 21, 2022 | Approved
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ULSE (UL Standards & Engagement)

  Public Review Date: Mar 27, 2020 | Final Action Date: Apr 29, 2020 | Approved

  Public Review Date: Mar 18, 2022 | Final Action Date: Dec 7, 2022 | Approved

  Public Review Date: May 7, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 12, 2018 | Approved

  PINS Date: Jun 23, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Aug 30, 2018 | Approved

- ANSI/UL 1369-2018a, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (new standard)
  PINS Date: Jun 23, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Aug 30, 2018 | Approved

- ANSI/UL 1369-2020, Standard for Safety for Aboveground Piping for Flammable and Combustible Liquids (revision of ANSI/UL 1369-2018a)
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

  Public Review Date: Sep 4, 2015 | Final Action Date: Mar 14, 2016 | Approved

- ANSI/UL 1384-2017, Standard for Water-Based Automatic Extinguisher Units (new standard)
  PINS Date: Sep 25, 2015 | Public Review Date: Sep 9, 2016 | Final Action Date: May 8, 2017 | Approved

- ANSI/UL 1384-2021, Standard for Water-Based Automatic Extinguisher Units (revision of ANSI/UL 1384-2017)
  Public Review Date: Jun 18, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/UL 1389-2019, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (new standard)
  PINS Date: Nov 30, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Nov 25, 2019 | Approved

  Public Review Date: Jul 17, 2020 | Final Action Date: Oct 13, 2020 | Approved

- ANSI/UL 1389-2021, Standard for Safety for Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations (revision of ANSI/UL 1389-2020)
  Public Review Date: Nov 15, 2021 | Final Action Date: Nov 25, 2021 | Approved

- ANSI/UL 140-2008 (R2018), Standard for Safety for Relocking Devices for Safes and Vaults (reaffirmation of ANSI/UL 140-2008 (R2012))
  Public Review Date: May 11, 2018 | Final Action Date: Jul 6, 2018 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Jul 21, 2020 | Approved
## ULSE (UL Standards & Engagement)

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<td>ANSI/UL 1416-2012 (R2022), Standard for Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1416-2012)</td>
<td>Public Review Date: Dec 17, 2021</td>
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<td>ANSI/UL 1417-2012 (R2022), Standard for Special Fuses for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1417-2012 (R2017))</td>
<td>Public Review Date: Feb 18, 2022</td>
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<tr>
<td>ANSI/UL 1419-2021, Standard for Safety for Professional Video and Audio Equipment (reaffirmation and redesignation of ANSI/UL 2021-2016)</td>
<td>Public Review Date: May 14, 2021</td>
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<td>ANSI/UL 142-2019, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)</td>
<td>Public Review Date: Apr 27, 2018</td>
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<tr>
<td>ANSI/UL 142-2019a, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)</td>
<td>Public Review Date: Nov 2, 2018</td>
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<td>ANSI/UL 142-2019b, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)</td>
<td>Public Review Date: Feb 22, 2019</td>
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<td>ANSI/UL 1426-2010 (R2020), Standard for Safety for Electrical Cables for Boats (reaffirmation of ANSI/UL 1426-2010 (R2015))</td>
<td>Public Review Date: Nov 1, 2019</td>
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<tr>
<td>ANSI/UL 142A-2018a, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids (new standard)</td>
<td>PINS Date: Dec 6, 2013</td>
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### ULSE (UL Standards & Engagement)

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ULSE (UL Standards & Engagement)

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  Public Review Date: Oct 22, 2021 | Final Action Date: Jul 12, 2022 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 12, 2018 | Approved

  (reaffirmation of ANSI/UL 1478A-2013 (R2017))
  Public Review Date: Apr 29, 2022 | Final Action Date: Jun 17, 2022 | Approved

  Public Review Date: Mar 19, 2021 | Final Action Date: May 18, 2021 | Approved

  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

- ANSI/UL 147B-2016, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane  (revision of ANSI/UL 147B-2008 (R2013))
  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 25, 2016 | Approved

- ANSI/UL 147B-2019, Standard for Safety for Nonrefillable (Disposable) Type Metal Container Assemblies for Butane  (revision of ANSI/UL 147B-2016)
  Public Review Date: Aug 23, 2019 | Final Action Date: Oct 29, 2019 | Approved

  Public Review Date: May 10, 2013 | Final Action Date: Jan 28, 2016 | Approved

- ANSI/UL 1480-2016a, Standard for Safety for Speakers for Fire Alarm and Signaling Systems, Including Accessories  (revision of ANSI/UL 1480-2012)
  Public Review Date: Nov 21, 2014 | Final Action Date: Jan 28, 2016 | Approved

- ANSI/UL 1480-2016b, Standard for Safety for Speakers for Fire Alarm and Signaling Systems, Including Accessories  (revision of ANSI/UL 1480-2012)
  Public Review Date: May 29, 2015 | Final Action Date: Jan 28, 2016 | Approved

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Approved American National Standards

ULSE (UL Standards & Engagement)

- 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 30, 2022 | Final Action Date: Dec 6, 2022 | Approved

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  Public Review Date: Aug 5, 2022 | Final Action Date: Sep 22, 2022 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: May 13, 2019 | Approved

  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

  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
**ULSE (UL Standards & Engagement)**

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ULSE (UL Standards & Engagement)

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  Public Review Date: Jan 17, 2014 | Final Action Date: Apr 13, 2018 | Approved

  Public Review Date: Oct 21, 2016 | Final Action Date: Apr 13, 2018 | Approved

- ANSI/UL 1637-2017 (R2022), Standard for Safety for Home Health Care Signaling Equipment (reaffirmation of ANSI/UL 1637-2017)
  Public Review Date: Apr 22, 2022 | Final Action Date: Jul 20, 2022 | Approved

  Public Review Date: Nov 21, 2014 | Final Action Date: Jan 28, 2016 | Approved

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

- ANSI/UL 1640-2016a, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2016)
  Public Review Date: May 27, 2016 | Final Action Date: Nov 14, 2016 | Approved

- ANSI/UL 1640-2016b, Standard for Safety for Portable Power-Distribution Equipment (revision of ANSI/UL 1640-2016)
  Public Review Date: Aug 19, 2016 | Final Action Date: Nov 14, 2016 | Approved

  Public Review Date: Apr 17, 2020 | Final Action Date: May 29, 2020 | Approved

  Public Review Date: May 7, 2021 | Final Action Date: Jul 14, 2021 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: May 20, 2020 | Approved

- 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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<th>Public Review Date</th>
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<td>ANSI/UL 1666-2012 (R2021)</td>
<td>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))</td>
<td>Public Review Date: Jul 9, 2021</td>
<td>Final Action Date: Sep 24, 2021</td>
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<td>ANSI/UL 1676-2013 (R2022)</td>
<td>Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances (reaffirmation of ANSI/UL 1676-2013)</td>
<td>Public Review Date: May 6, 2022</td>
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# ULSE (UL Standards & Engagement)

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<td>Aug 7, 2020</td>
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### Approved American National Standards

#### ULSE (UL Standards & Engagement)

  Public Review Date: Jan 18, 2019 | Final Action Date: Jul 3, 2019 | Approved

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  Public Review Date: Sep 3, 2021 | Final Action Date: Feb 8, 2022 | Approved

  PINS Date: Apr 8, 2011 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 10, 2018 | Approved

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## ULSE (UL Standards & Engagement)

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<td>ANSI/UL 1730-2007 (R2022), Standard for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms</td>
<td>(reaffirmation of ANSI/UL 1730-2007 (R2017))</td>
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**Approved American National Standards**

**ULSE (UL Standards & Engagement)**

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ULSE (UL Standards & Engagement)

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  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

- ANSI/UL 199-2020, Standard for Automatic Sprinklers for Fire-Protection Service (revision of ANSI/UL 199-2013 (R2017))
  Public Review Date: Oct 18, 2019 | Final Action Date: Apr 28, 2020 | Approved

  Public Review Date: May 14, 2021 | Final Action Date: Feb 25, 2022 | Approved
Approved American National Standards

ULSE (UL Standards & Engagement)

- ANSI/UL 199-2022a, Standard for Automatic Sprinklers for Fire-Protection Service  (revision of ANSI/UL 199-2022)
  Public Review Date: May 27, 2022 | Final Action Date: Sep 22, 2022 | Approved

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

  Public Review Date: Jul 23, 2021 | Final Action Date: Sep 16, 2021 | Approved
ULSE (UL Standards & Engagement)

- ANSI/UL 201-2022, Standard for Safety for Garage Equipment  (revision of ANSI/UL 201-2021)
  Public Review Date: Feb 11, 2022 | Final Action Date: Mar 18, 2022 | Approved

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- ANSI/UL 2034-2017c, Standards for Safety for Single and Multiple Station Carbon Monoxide Alarms  (revision of ANSI/UL 2034-2015a)
  Public Review Date: Mar 11, 2016 | Final Action Date: Dec 21, 2017 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Dec 21, 2017 | Approved

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  Public Review Date: Feb 4, 2022 | Final Action Date: Apr 5, 2022 | Approved

  Public Review Date: Jul 8, 2022 | Final Action Date: Oct 7, 2022 | Approved

- ANSI/UL 2039-2016, Standard for Flexible Connector Piping For Fuels  (new standard)
  PINS Date: May 22, 2015 | Public Review Date: Jan 29, 2016 | Final Action Date: May 5, 2016 | Approved

  PINS Date: May 4, 2012 | Public Review Date: Apr 10, 2015 | Final Action Date: Dec 18, 2015 | Approved
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**Approved American National Standards**

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  - Public Review Date: Feb 25, 2022 | Final Action Date: Apr 22, 2022 | Approved

  - Public Review Date: Apr 10, 2020 | Final Action Date: Jul 29, 2020 | Approved

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

  - Public Review Date: Feb 13, 2015 | Final Action Date: Nov 2, 2015 | Approved

  - Public Review Date: Jul 24, 2015 | Final Action Date: Nov 2, 2015 | Approved

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  - Public Review Date: Apr 16, 2021 | Final Action Date: Jul 30, 2021 | Approved

  - Public Review Date: 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
ULSE (UL Standards & Engagement)

- ANSI/UL 2166-2017, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2016)
  Public Review Date: Sep 9, 2016 | Final Action Date: May 10, 2017 | Approved

  Final Action Date: Oct 21, 2019 | Approved

  Public Review Date: Dec 20, 2019 | Final Action Date: May 15, 2020 | Approved

- ANSI/UL 2166-2020a, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2015)
  Public Review Date: Mar 20, 2020 | Final Action Date: Sep 2, 2020 | Approved

- ANSI/UL 2166-2021, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2020)
  Public Review Date: Feb 5, 2021 | Final Action Date: Mar 12, 2021 | Approved

- ANSI/UL 2166-2021a, Standard for Halocarbon Clean Agent Extinguishing System Units (September 10, 2021)
  (revision of ANSI/UL 2166-2021a)
  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 8, 2021 | Approved

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  Public Review Date: Oct 5, 2018 | Final Action Date: Dec 11, 2018 | Approved

- 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))
  Public Review Date: Apr 14, 2017 | Final Action Date: Aug 29, 2017 | Approved

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### Approved American National Standards

**ULSE (UL Standards & Engagement)**

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**Approved American National Standards**

**ULSE (UL Standards & Engagement)**

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  - Public Review Date: Apr 1, 2016 | Final Action Date: Aug 26, 2016 | **Approved**

  - Public Review Date: May 15, 2020 | Final Action Date: Dec 15, 2020 | **Approved**

- **ANSI/UL 2237-2019**, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
  - PINS Date: Jul 31, 2015 | Public Review Date: Sep 21, 2018 | Final Action Date: Apr 16, 2019 | **Approved**

- **ANSI/UL 2237-2019a**, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
  - PINS Date: Jul 31, 2015 | Public Review Date: Feb 22, 2019 | Final Action Date: Apr 16, 2019 | **Approved**

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  - Public Review Date: Jul 24, 2020 | Final Action Date: Oct 9, 2020 | **Approved**

  - Public Review Date: Jan 29, 2021 | Final Action Date: Mar 22, 2021 | **Approved**

- **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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The data in this document is reported as of Monday, December 12, 2022

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ULSE (UL Standards & Engagement)

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- ANSI/UL 2272-2016a, Standard for Safety for Electrical Systems for Self-Balancing Scooters (new standard)
  PINS Date: Jan 22, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Nov 21, 2016 | Approved

  Public Review Date: Apr 27, 2018 | Final Action Date: Feb 25, 2019 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 28, 2019 | Approved

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- ANSI/UL 231-2021, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2020)
  Public Review Date: Oct 23, 2020 | Final Action Date: Jan 22, 2021 | Approved

- ANSI/UL 231-2022, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2021)
  Public Review Date: Dec 24, 2021 | Final Action Date: Mar 29, 2022 | Approved

- ANSI/UL 231-2022a, Standard for Safety for Power Outlets (revision of ANSI/UL 231-2022)
  Public Review Date: Aug 26, 2022 | Final Action Date: Oct 12, 2022 | Approved

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  Public Review Date: Mar 13, 2020 | Final Action Date: Jun 10, 2020 | Approved

- 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)
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- ANSI/UL 248-18-2022, Low-Voltage Fuses - Part 18: Class CD Fuses  (new standard)
  Public Review Date: Jul 9, 2021 | Final Action Date: Mar 31, 2022 | Approved

  PINS Date: Nov 25, 2011 | Public Review Date: Aug 21, 2015 | Final Action Date: Nov 13, 2015 | Approved

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- 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)
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- 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

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- 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)
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  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 1, 2019 | Approved
### UL Standards & Engagement

<table>
<thead>
<tr>
<th>Approved American National Standards</th>
</tr>
</thead>
</table>

  (revision of ANSI/UL 2703-2019)  
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 16, 2019 | Approved

  (revision of ANSI/UL 2703-2019)  
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  (reaffirmation of ANSI/UL 2738-2018)  
  Public Review Date: Sep 9, 2022 | Final Action Date: Nov 1, 2022 | Approved

- **ANSI/UL 2743-2016**, Standard for Portable Power Packs  
  (new standard)  
  PINS Date: Dec 4, 2015 | Public Review Date: May 6, 2016 | Final Action Date: Oct 13, 2016 | Approved

- **ANSI/UL 2743-2016a**, Standard for Portable Power Packs  
  (new standard)  
  PINS Date: Dec 4, 2015 | Public Review Date: Sep 9, 2016 | Final Action Date: Oct 13, 2016 | Approved

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  Public Review Date: Oct 6, 2017 | Final Action Date: Jul 2, 2018 | Approved

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  Public Review Date: Feb 16, 2018 | Final Action Date: Jul 2, 2018 | Approved

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  (reaffirmation of ANSI/UL 2748A-2017)  
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- **ANSI/UL 275-2013 (R2022)**, Standard for Automotive Glass-Tube Fuses  
  (reaffirmation of ANSI/UL 275-2013 (R2017))  
  Public Review Date: Oct 14, 2022 | Final Action Date: Nov 30, 2022 | Approved

  (revision of ANSI/UL 2775-2016)  
  Public Review Date: Jul 28, 2017 | Final Action Date: Aug 30, 2017 | Approved
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ULSE (UL Standards & Engagement)

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### ULSE (UL Standards & Engagement)

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  - Public Review Date: Sep 30, 2022 | Final Action Date: Nov 16, 2022 | Approved

  - Public Review Date: Aug 17, 2018 | Final Action Date: Oct 8, 2018 | Approved

- **ANSI/UL 299-2021**, Standard for Dry Chemical Fire Extinguishers  (revision of ANSI/UL 299-2012 (R2018))
  - Public Review Date: Nov 20, 2020 | Final Action Date: Mar 24, 2021 | Approved

  - PINS Date: Sep 30, 2016 | Public Review Date: Feb 7, 2020 | Final Action Date: May 22, 2020 | Approved

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

  - Public Review Date: Aug 10, 2018 | Final Action Date: Oct 8, 2018 | Approved

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Approved American National Standards

ULSE (UL Standards & Engagement)

- ANSI/UL 3100-2021, Standard for Safety for Automated Mobile Platforms (AMPs) (new standard)
  Public Review Date: Feb 12, 2021 | Final Action Date: Apr 5, 2021 | Approved

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- ANSI/UL 325-2016a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Apr 29, 2016 | Final Action Date: Dec 7, 2016 | Approved

- ANSI/UL 325-2016b, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Sep 16, 2016 | Final Action Date: Dec 7, 2016 | Approved

  Public Review Date: Nov 11, 2016 | Final Action Date: Mar 7, 2017 | Approved

- ANSI/UL 325-2017a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 7, 2017 | Approved

- ANSI/UL 325-2017b, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Mar 10, 2017 | Final Action Date: May 19, 2017 | Approved

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- 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

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- ANSI/UL 330-2017, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2013a)
  Public Review Date: May 19, 2017 | Final Action Date: Jun 29, 2017 | Approved

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- 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)
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- 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)
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ULSE (UL Standards & Engagement)

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- 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

- ANSI/UL 343-2022, Standard for Safety for Oil-Burning Appliances (revision of ANSI/UL 343-2021)
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### Approved American National Standards

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- ANSI/UL 360-2018a, Standard for Safety for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2018)
  - Public Review Date: Sep 21, 2018 | Final Action Date: Nov 27, 2018 | **Approved**

  - Public Review Date: Apr 5, 2019 | Final Action Date: Jun 11, 2019 | **Approved**

- ANSI/UL 360-2020, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2019)
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- ANSI/UL 360-2021, Standard for Liquid-Tight Flexible Metal Conduit (revision of ANSI/UL 360-2020)
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  - PINS Date: Jul 1, 2011 | Public Review Date: Jun 26, 2015 | Final Action Date: Oct 8, 2015 | **Approval**

  - Public Review Date: Jan 24, 2020 | Final Action Date: Mar 10, 2020 | **Approval**

- ANSI/UL 3730-2014a, Standard for Photovoltaic Junction Boxes (new standard)
  - PINS Date: Aug 5, 2011 | Public Review Date: Sep 12, 2014 | Final Action Date: Nov 11, 2014 | **Approval**

  - Public Review Date: Apr 2, 2021 | Final Action Date: Jun 4, 2021 | **Approval**

  - Public Review Date: Sep 18, 2020 | Final Action Date: Dec 8, 2020 | **Approval**

- ANSI/UL 379-2013 (R2022), Standards for Power Units for Fountain, Swimming Pool, and Spa Luminaires (reaffirmation of ANSI/UL 379-2013 (R2017))
  - Public Review Date: Sep 16, 2022 | Final Action Date: Nov 4, 2022 | **Approval**

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  - Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | **Approval**
## Approved American National Standards

### ULSE (UL Standards & Engagement)

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  - 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: Aug 21, 2020 | Final Action Date: Sep 23, 2020 | Approved
ULSE (UL Standards & Engagement)

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  Public Review Date: Nov 26, 2021 | Final Action Date: Mar 31, 2022 | Approved

- ANSI/UL 4248-11-2007 (R2018), Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse  (reaffirmation of ANSI/UL 4248-11-2007 (R2012))
  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

  Public Review Date: Jun 5, 2020 | Final Action Date: Mar 31, 2021 | Approved

- ANSI/UL 4248-4-2007 (R2018), Standard for Safety for Fuseholders - Part 4: Class CC  (reaffirmation of ANSI/UL 4248-4-2007 (R2012))
  Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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# ANSI/UL Standards & Engagement

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<th>Title</th>
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<tbody>
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<td>Standard for Safety for Grounding and Bonding Equipment (revision of ANSI/UL 467-2013 (R2017))</td>
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<td>ANSI/UL 4703-2014a</td>
<td>Standard for Safety for Photovoltaic Wire (Proposal Dated 5-9-14) (new standard)</td>
<td>Approved</td>
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<td>ANSI/UL 471-2016</td>
<td>Standard for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2014)</td>
<td>Approved</td>
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<td>Standard for Room Air Conditioners (revision of ANSI/UL 484-2015)</td>
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<td>Standard for Safety for Bare and Covered Ferrules (revision of ANSI/UL 486F-2015)</td>
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**ULSE (UL Standards & Engagement)**

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<td>Final Action Date: Sep 9, 2019</td>
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<td>Final Action Date: Dec 29, 2021</td>
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<td>Public Review Date: Sep 10, 2021</td>
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<td>Final Action Date: Oct 24, 2016</td>
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<td>Final Action Date: Oct 24, 2016</td>
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## Approved American National Standards

**ULSE (UL Standards & Engagement)**

  - Public Review Date: Nov 6, 2020 | Final Action Date: Mar 11, 2021 | Approved

- ANSI/UL 496-2017, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013b)
  - Public Review Date: May 6, 2016 | Final Action Date: Sep 5, 2017 | Approved

- ANSI/UL 496-2017a, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013)
  - Public Review Date: Jun 23, 2017 | Final Action Date: Sep 5, 2017 | Approved

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

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- ANSI/UL 497B-2004 (R2022), Standard for Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2017))
  - Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

- ANSI/UL 497C-2004 (R2022), Standard for Protectors for Coaxial Communications Circuits (reaffirmation of ANSI/UL 497C-2004 (R2017))
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- ANSI/UL 498-2021a, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2021)
  - Public Review Date: Jul 16, 2021 | Final Action Date: Sep 20, 2021 | Approved

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ANSI/UL 5085-3-2012 (R2022), Standard for Safety for Low Voltage Transformers - Part 3: Class 2 and Class 3 Transformers  (reaffirmation of ANSI/UL 5085-3-2012 (R2017))
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<table>
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<tr>
<td>ANSI/UL 514B-2020</td>
<td>Standard for Conduit, Tubing, and Cable Fittings</td>
<td>(revision of ANSI/UL 514B-2014)</td>
<td>Dec 6, 2019</td>
<td>May 22, 2020</td>
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<td>ANSI/UL 541-2016, Refrigerated Vending Machines</td>
<td>(revision of ANSI/UL 541-2014)</td>
<td>Feb 12, 2016</td>
<td>Apr 21, 2016</td>
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ULSE (UL Standards & Engagement)

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- ANSI/UL 561-2021, Standard for Safety for Floor Finishing Machines  (revision of ANSI/UL 561-2011 (R2018))
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## ULSE (UL Standards & Engagement)

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<th>Revision Details</th>
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<th>Final Action Date</th>
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<tr>
<td>ANSI/UL 5B-2019, Standard for Strut-Type Channel Raceways and Fittings</td>
<td>(revision of ANSI/UL 5B-2014)</td>
<td>Dec 21, 2018</td>
<td>Feb 26, 2019</td>
<td>Approved</td>
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<tr>
<td>ANSI/UL 6-2019, Standard for Electrical Rigid Metal Conduit – Steel</td>
<td>(revision of ANSI/UL 6-2014)</td>
<td>Jan 18, 2019</td>
<td>Sep 27, 2019</td>
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## ANSI/UL 60034-5-2019, Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) - Classification (identical national adoption of IEC 60034-5)
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## 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)
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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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## Approved American National Standards

### ULSE (UL Standards & Engagement)

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<th>Public Review Date</th>
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ULSE (UL Standards & Engagement)

  Public Review Date: Feb 25, 2022 | Final Action Date: May 10, 2022 | Approved

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  Public Review Date: Jul 30, 2021 | Final Action Date: Dec 3, 2021 | Approved
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<th>Date of Public Review</th>
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ULSE (UL Standards & Engagement)

  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 1, 2017 | Approved

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- ANSI/UL 60730-1-2021, Standard for Automatic Electrical Controls - Part 1: General Requirements (identical national adoption of IEC 60730-1 and revision of ANSI/UL 60730-1-2016)
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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))
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- 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 60730-2-3-2013 (R2022), Standard for Safety for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps (reaffirmation of ANSI/UL 60730-2-3-2013 (R2017))
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| ANSI/UL 60730-2-6-2021, Standard for Automatic electrical controls – Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements | (national adoption of IEC 60730-2-6 with modifications and revision of ANSI/UL 60730-2-6-2016) | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 30, 2021 | Approved |
| ANSI/UL 60730-2-7-2020, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches | (identical national adoption of IEC 60730-2-7 and revision of ANSI/UL 60730-2-7-2014) | Public Review Date: Jul 10, 2020 | Final Action Date: Oct 29, 2020 | Approved |
**ULSE (UL Standards & Engagement)**

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  Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018 | Approved

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ULSE (UL Standards & Engagement)

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- ANSI/UL 60745-2-4-2009 (R2018), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type  (reaffirmation of ANSI/UL 60745-2-4-2009 (R2014))
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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 60939-3-2017 (R2022), Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate  (reaffirm a national adoption ANSI/UL 60939-3-2017)
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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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## ULSE (UL Standards & Engagement)

- 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 60947-7-1-2017 (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)
  - Public Review Date: Feb 12, 2021 | Final Action Date: Mar 31, 2021 | Approved

- 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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ULSE (UL Standards & Engagement)

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## ULSE (UL Standards & Engagement)

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<td>ANSI/UL 61058-2-5-2020</td>
<td>Standard for switches for appliances - Part 2-5: particular requirements for change-over selectors (national adoption with modifications of IEC 61058-2-5)</td>
<td>PINS Date: Mar 29, 2019</td>
<td>Public Review Date: Jun 21, 2019</td>
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<td>ANSI/UL 61058-2-6-2020</td>
<td>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)</td>
<td>PINS Date: Mar 29, 2019</td>
<td>Public Review Date: Jun 21, 2019</td>
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<td>ANSI/UL 61215-1-1-2017</td>
<td>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)</td>
<td>PINS Date: Sep 2, 2016</td>
<td>Public Review Date: Nov 4, 2016</td>
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<td>ANSI/UL 61215-1-1-2021</td>
<td>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)</td>
<td>Public Review Date: May 21, 2021</td>
<td>Final Action Date: Jul 7, 2021</td>
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<td>ANSI/UL 61215-1-2-2018</td>
<td>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)</td>
<td>PINS Date: Feb 10, 2017</td>
<td>Public Review Date: Jan 26, 2018</td>
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<td>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)</td>
<td>Public Review Date: May 21, 2021</td>
<td>Final Action Date: Jul 7, 2021</td>
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<td>ANSI/UL 61215-1-2-2017</td>
<td>Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements (identical national adoption of IEC 61215-1)</td>
<td>PINS Date: Sep 2, 2016</td>
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ULSE (UL Standards & Engagement)

  Public Review Date: May 21, 2021 | Final Action Date: Jul 7, 2021 | Approved

- 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)2 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 6141-2022, Standard for Wind Turbines Permitting Entry of Personnel (revision of ANSI/UL 6141-2021)
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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)
  PINS Date: Apr 28, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Jan 29, 2019 | Approved

  PINS Date: Jan 27, 2017 | Public Review Date: Jul 27, 2018 | Final Action Date: Jan 29, 2019 | Approved
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<td>ANSI/UL 61965-2014 (R2019), Standard for Safety for Mechanical Safety for Cathode Ray Tubes</td>
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<td>ANSI/UL 62091-2020, Standard for Safety for Low-Voltage Switchgear and Controlgear- Controllers for Drivers of Stationary Fire Pumps</td>
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<td>ANSI/UL 62093-2017 (R2021), Standard for Safety for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments</td>
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<td>ANSI/UL 621-2020, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2005)</td>
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<td>ANSI/UL 62108-2017 (R2021), Standard for Concentrator Photovoltaic (CPV) Modules and Assemblies - Design Qualification and Type Approval</td>
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<td>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</td>
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<td>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</td>
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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)
PINS Date: Jun 24, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Sep 5, 2017 | Approved

ANSI/UL 62275-2021, Standard for Safety for Cable Management Systems – Cable Ties For Electrical Installations (national adoption of IEC 62275 with modifications and revision of ANSI/UL 62275-2016)
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ANSI/UL 626-2021, Standard for Water Fire Extinguishers (revision of ANSI/UL 626-2012 (R2018))
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ULSE (UL Standards & Engagement)

- 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 | Approved

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  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)
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ULSE (UL Standards & Engagement)

- ANSI/UL 62841-3-13-2018a, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-13 Particular Requirements for Transportable Drills (national adoption with modifications of IEC 62841-3-13)
  PINS Date: Nov 23, 2012 | Public Review Date: Feb 9, 2018 | Final Action Date: May 4, 2018 | Approved

- 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 (revision of ANSI/UL 62841-3-4-2016)
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  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 18, 2019 | Approved

- ANSI/UL 62841-3-6-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)
  PINS Date: Nov 23, 2012 | Public Review Date: Oct 30, 2015 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/UL 62841-3-6-2018, Standard for 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

- ANSI/UL 62841-3-9-2021, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety - Part 3.9: Particular Requirements for Transportable Mitre Saws (national adoption with modifications of IEC 62841-3-9 Ed. 2)
  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

  PINS Date: Nov 1, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: Jun 19, 2020 | Approved
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<tr>
<td>ANSI/UL 62915-2022</td>
<td>Standard for Photovoltaic (PV) Modules – Type Approval, Design and Safety Qualification – Retesting (national adoption with modifications of IEC 62915)</td>
<td>Approved</td>
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<tr>
<td>ANSI/UL 62986-2021</td>
<td>Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate Contacts (national adoption with modifications of IEC 62986)</td>
<td>Approved</td>
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<td>ANSI/UL 651-2022</td>
<td>Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2020)</td>
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<td>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)</td>
<td>Public Review Date: Sep 11, 2020</td>
<td>Final Action Date: Dec 28, 2020</td>
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<td>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)</td>
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<td>Final Action Date: Jul 29, 2022</td>
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<td>ANSI/UL 680-2004 (R2018), Standard for Emergency Vault Ventilators and Vault-Ventilating Ports  (reaffirmation of ANSI/UL 680-2004 (R2014))</td>
<td>Public Review Date: Jun 1, 2018</td>
<td>Final Action Date: Jul 20, 2018</td>
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<td>ANSI/UL 681-2020, Standard for Safety for Installation and Classification of Burglar and Holdup Alarm Systems  (revision of ANSI/UL 681-2014 (R2018))</td>
<td>Public Review Date: Jul 17, 2020</td>
<td>Final Action Date: Dec 17, 2020</td>
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<td>ANSI/UL 687-2011 (R2020), Standard for Burglary Resistant Safes  (reaffirmation of ANSI/UL 687-2011 (R2015))</td>
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<td>Final Action Date: Feb 18, 2020</td>
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<td>ANSI/UL 69-2013 (R2018), Standard for Safety for Electric-Fence Controllers  (reaffirmation of ANSI/UL 69-2013)</td>
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<td>Final Action Date: Apr 20, 2018</td>
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<td>ANSI/UL 696-2010 (R2020), Standard for Safety for Electric Toys  (revision of ANSI/UL 696-2010 (R2015))</td>
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<td>Final Action Date: May 6, 2020</td>
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<td>ANSI/UL 697-2012 (R2016), Standard for Safety for Toy Transformers  (reaffirmation of ANSI/UL 697-2012)</td>
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<td>ANSI/UL 697-2012 (R2021), Standard for Safety for Toy Transformers  (reaffirmation of ANSI/UL 697-2012 (R2016))</td>
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<td>ANSI/UL 6A-2019, Standard for Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Steel  (revision of ANSI/UL 6A-2014)</td>
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ULSE (UL Standards & Engagement)

- ANSI/UL 7001-2021, Standard for Sustainability for Household Refrigeration Appliances (revision of ANSI/UL 7001-2014)
  Public Review Date: Feb 26, 2021 | Final Action Date: Oct 27, 2021 | Approved

- 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

- ANSI/UL 7008-2019, Standard for Sustainability for Household Dehumidifier Appliances (new standard)
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  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 24, 2021 | Approved

  Public Review Date: Jul 15, 2022 | Final Action Date: Aug 19, 2022 | Approved

  Public Review Date: May 17, 2019 | Final Action Date: Aug 20, 2019 | Approved

  Public Review Date: Dec 4, 2020 | Final Action Date: Feb 16, 2021 | Approved

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- ANSI/UL 710B-2021, Standard for Recirculating Systems (revision of ANSI/UL 710B-2014 (R2019))
  Public Review Date: Jul 30, 2021 | Final Action Date: Oct 7, 2021 | 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)
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  - Public Review Date: Feb 9, 2018 | Final Action Date: Apr 19, 2018 | 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: Feb 22, 2019 | Final Action Date: Jul 17, 2019 | Approved

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- ANSI/UL 746B-2021a, Standard for Safety for Polymeric Materials – Long Term Property Evaluations (revision of ANSI/UL 746B-2021)
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  - Public Review Date: Dec 15, 2017 | Final Action Date: Jan 26, 2018 | Approved

  - Public Review Date: Feb 5, 2021 | Final Action Date: Mar 22, 2021 | Approved

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  - Public Review Date: May 6, 2022 | Final Action Date: Jun 24, 2022 | Approved

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- ANSI/UL 751-2016, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 751-2014)
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- ANSI/UL 752-2006 (R2021), Standard for Safety for Bullet-Resisting Equipment (reaffirmation of ANSI/UL 752-2006 (R2015))
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- ANSI/UL 758-2021a, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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- ANSI/UL 758-2021b, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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- ANSI/UL 758-2022a, Standard for Appliance Wiring Material (revision of ANSI/UL 758-2022)
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<td>Standard for Combination Locks</td>
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ULSE (UL Standards & Engagement)

- ANSI/UL 79A-2020, Standard For Safety For Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 79-2016)
  Public Review Date: Nov 15, 2019 | Final Action Date: Mar 12, 2020 | Approved

- ANSI/UL 79A-2020a, Standard for Safety for Power-Operated Pumps for Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85) (revision of ANSI/UL 79A-2016)
  Public Review Date: Mar 20, 2020 | Final Action Date: May 14, 2020 | Approved

  Public Review Date: Mar 18, 2016 | Final Action Date: May 5, 2016 | Approved

- ANSI/UL 79B-2020, Standard for Safety for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 79B-2016)
  Public Review Date: Dec 27, 2019 | Final Action Date: Feb 20, 2020 | Approved

  Public Review Date: Mar 20, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI/UL 8-2016, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2011)
  Public Review Date: Jun 24, 2016 | Final Action Date: Nov 25, 2016 | Approved

- ANSI/UL 8-2020, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2016)
  Public Review Date: Aug 14, 2020 | Final Action Date: Dec 23, 2020 | Approved

- ANSI/UL 80-2009 (R2019), Standard for Safety for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids (reaffirmation of ANSI/UL 80-2009 (R2014))
  Public Review Date: Feb 15, 2019 | Final Action Date: Apr 26, 2019 | Approved

  PINS Date: Mar 20, 2009 | Public Review Date: Feb 21, 2020 | Final Action Date: Jun 2, 2020 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Feb 14, 2020 | Final Action Date: May 11, 2020 | Approved

  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 2, 2021 | Approved

- ANSI/UL 80079-37-2021, Safety for Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres –Non Electrical Type of Protection Construcational Safety c, Control of Ignition Source b Liquid Immersion k (national adoption with modifications of ISO/IEC 80079-37)
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 2, 2021 | Approved

  Public Review Date: Aug 9, 2019 | Final Action Date: Oct 29, 2019 | Approved

- ANSI/UL 810A-2012 (R2022), Standard for Electrochemical Capacitors (reaffirmation of ANSI/UL 810A-2012 (R2017))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 3, 2022 | Approved
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## Approved American National Standards

**ULSE (UL Standards & Engagement)**

  - Public Review Date: Oct 23, 2020 | Final Action Date: Jan 11, 2021 | Approved

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  - Public Review Date: Dec 14, 2018 | Final Action Date: Apr 11, 2019 | Approved

  - Public Review Date: Feb 15, 2019 | Final Action Date: Apr 11, 2019 | Approved

  - Public Review Date: Aug 23, 2019 | Final Action Date: Oct 18, 2019 | Approved

  - Public Review Date: Nov 15, 2019 | Final Action Date: May 20, 2020 | Approved

  - Public Review Date: Sep 25, 2020 | Final Action Date: Oct 27, 2020 | Approved

- ANSI/UL 827-2021, Standard for Safety for Central-Station Alarm Services (revision of ANSI/UL 827-2020)
  - Public Review Date: May 28, 2021 | Final Action Date: Sep 15, 2021 | Approved

  - Public Review Date: Aug 5, 2022 | Final Action Date: Sep 23, 2022 | Approved

  - Public Review Date: Feb 24, 2017 | Final Action Date: Jul 28, 2017 | Approved

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  - Public Review Date: Dec 20, 2019 | Final Action Date: Apr 10, 2020 | Approved

  - Public Review Date: Dec 1, 2017 | Final Action Date: Jan 10, 2018 | Approved

  - Public Review Date: Aug 3, 2018 | Final Action Date: Sep 24, 2018 | Approved

  - Public Review Date: May 17, 2019 | Final Action Date: Jul 11, 2019 | Approved

  - Public Review Date: Sep 10, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI/UL 83B-2020, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard)
  - PINS Date: May 29, 2020 | Public Review Date: Jul 17, 2020 | Final Action Date: Oct 15, 2020 | Approved
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<td>ANSI/UL 842B-2022</td>
<td>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</td>
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### Approved American National Standards

**ULSE (UL Standards & Engagement)**

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  - Public Review Date: Apr 7, 2017 | Final Action Date: Aug 30, 2017 | Approved

  - Public Review Date: Jul 7, 2017 | Final Action Date: Aug 30, 2017 | Approved

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  - Public Review Date: Sep 22, 2017 | Final Action Date: Nov 1, 2017 | Approved

  - Public Review Date: Mar 30, 2018 | Final Action Date: Jun 4, 2018 | Approved

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  - Public Review Date: Feb 16, 2018 | Final Action Date: Mar 29, 2018 | Approved

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- **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
### ULSE (UL Standards & Engagement)

1. 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

2. 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

   - Public Review Date: Aug 19, 2016 | Final Action Date: Nov 11, 2016 | Approved

   - Public Review Date: Apr 14, 2017 | Final Action Date: Jul 26, 2017 | Approved

5. ANSI/UL 875-2017a, Standard for Safety for Electric Dry-Bath Heaters (revision of ANSI/UL 875-2016)
   - Public Review Date: Jun 23, 2017 | Final Action Date: Jul 26, 2017 | Approved

   - Public Review Date: Aug 4, 2017 | Final Action Date: Sep 20, 2017 | Approved

   - Public Review Date: Oct 9, 2020 | Final Action Date: Nov 19, 2020 | Approved

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### ULSE (UL Standards & Engagement)

  (revision of ANSI/UL 8750-2020)  
  Public Review Date: Jun 19, 2020 | Final Action Date: Sep 11, 2020 | Approved

  (revision of ANSI/UL 8750-2020)  
  Public Review Date: Oct 23, 2020 | Final Action Date: Jan 5, 2021 | Approved

- **ANSI/UL 8750-2021a**, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products  
  (revision of ANSI/UL 8750-2021)  
  Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

  (revision of ANSI/UL 8750-2021)  
  Public Review Date: May 28, 2021 | Final Action Date: Jul 6, 2021 | Approved

  (revision of ANSI/UL 8750-2021)  
  Public Review Date: Sep 16, 2022 | Final Action Date: Dec 7, 2022 | Approved

- **ANSI/UL 8752-2012 (R2018)**, Standard for Safety for Organic Light Emitting Diode (OLED) Panels  
  (reaffirmation of ANSI/UL 8752-2012)  
  Public Review Date: Feb 16, 2018 | Final Action Date: Aug 3, 2018 | Approved

  (reaffirmation of ANSI/UL 8753-2013)  
  Public Review Date: Feb 16, 2018 | Final Action Date: Aug 3, 2018 | Approved

  (reaffirmation of ANSI/UL 8754-2014)  
  Public Review Date: Mar 23, 2018 | Final Action Date: Aug 3, 2018 | Approved

  (revision of ANSI/UL 879-2009 (R2019))  
  Public Review Date: Jun 18, 2021 | Final Action Date: Apr 22, 2022 | Approved

- **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

- **ANSI/UL 87A-2016**, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)  
  (revision of ANSI/UL 87A-2015)  
  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | Approved

  (revision of ANSI/UL 87A-2016)  
  Public Review Date: Jun 30, 2017 | Final Action Date: Aug 31, 2017 | Approved

  (revision of ANSI/UL 87A-2017)  
  Public Review Date: Mar 30, 2018 | Final Action Date: Jun 27, 2018 | Approved

- **ANSI/UL 87A-2018a**, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)  
  (revision of ANSI/UL 87A-2017)  
  Public Review Date: May 18, 2018 | Final Action Date: Jun 27, 2018 | Approved
ULSE (UL Standards & Engagement)

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  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 12, 2019 | Approved

  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | Approved

- ANSI/UL 87B-2017, Standard for Safety for Power-Operated Dispensing Devices 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 87B-2016)
  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 7, 2017 | Approved

  Public Review Date: Apr 5, 2019 | Final Action Date: Jun 4, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 12, 2019 | Approved

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  Public Review Date: Mar 11, 2022 | Final Action Date: Jun 15, 2022 | Approved

- ANSI/UL 884-2016 (R2020), Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016)
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

  Public Review Date: Apr 13, 2018 | Final Action Date: Jun 26, 2018 | Approved

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  Public Review Date: Oct 7, 2011 | Final Action Date: Feb 14, 2012 | Approved
### Approved American National Standards

**ULSE (UL Standards & Engagement)**

  - Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | Approved

  - Public Review Date: Apr 1, 2022 | Final Action Date: May 10, 2022 | Approved

  - Public Review Date: Mar 19, 2021 | Final Action Date: Jun 14, 2021 | Approved

  - Public Review Date: Jun 25, 2021 | Final Action Date: Sep 24, 2021 | Approved

- **ANSI/UL 920004-2014 (R2022), Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors** (reaffirmation of ANSI/UL 920004-2014 (R2017))
  - Public Review Date: Sep 24, 2021 | Final Action Date: Jan 13, 2022 | Approved

  - Public Review Date: Jan 21, 2022 | Final Action Date: Mar 15, 2022 | Approved

  - Public Review Date: Oct 2, 2015 | Final Action Date: Mar 23, 2016 | Approved

  - Public Review Date: Dec 16, 2016 | Final Action Date: Sep 20, 2017 | Approved

  - Public Review Date: Sep 13, 2019 | Final Action Date: Jan 30, 2020 | Approved

- **ANSI/UL 923-2015b, Standard for Safety for Microwave Cooking Appliances** (revision of ANSI/UL 923-2013a)
  - Public Review Date: Jun 19, 2015 | Final Action Date: Nov 11, 2015 | Approved

- **ANSI/UL 923-2015c, Standard for Safety for Microwave Cooking Appliances** (revision of ANSI/UL 923-2015a)
  - Public Review Date: Sep 25, 2015 | Final Action Date: Nov 11, 2015 | Approved

  - Public Review Date: Jun 9, 2017 | Final Action Date: Jul 19, 2017 | Approved

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## Approved American National Standards

**ULSE (UL Standards & Engagement)**

  Public Review Date: Feb 11, 2022 | Final Action Date: Apr 1, 2022 | Approved

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  Public Review Date: Aug 25, 2017 | Final Action Date: Feb 23, 2018 | Approved

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<td>ANSI Z80.35-2018, Extended Depth of Focus (EDF) Lenses (new standard)</td>
<td>PINS Date: Nov 7, 2014</td>
<td>Public Review Date:</td>
<td>Jul 27, 2018</td>
<td>Final Action Date: Sep 25, 2018</td>
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<td>ANSI Z80.36-2021, Light Hazard Protection for Ophthalmic Instruments (revision of ANSI Z80.36-2016)</td>
<td>PINS Date: Mar 13, 2020</td>
<td>Public Review Date:</td>
<td>Jan 29, 2021</td>
<td>Final Action Date: Apr 9, 2021</td>
<td>Approved</td>
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</tbody>
</table>
Approved American National Standards

VC (ASC Z80) (The Vision Council)

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

- ANSI Z80.9-2020, Devices for Low Vision (revision of ANSI Z80.9-2010 (R2015))
  PINS Date: Aug 24, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 9, 2020 | Approved

- ANSI/ISO 12870-2016, Spectacle Frames-Requirements and Test Methods (identical national adoption of ISO 12870)
  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

- ANSI/ISO 7998-2016, Spectacle Frames- Lists of Equivalent Terms and Vocabulary (identical national adoption of ISO 7988)
  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

- ANSI/ISO 8624-2016, Spectacle Frames-Measuring System and terminology (identical national adoption of ISO 8624)
  PINS Date: Aug 21, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Mar 31, 2016 | Approved

VITA (VMEbus International Trade Association (VITA))

  PINS Date: Mar 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Aug 24, 2022 | Approved

- ANSI/VITA 1-1994 (S2021], VME64 (stabilized maintenance of ANSI/VITA 1-1994 (R2002))
  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- ANSI/VITA 1.1-1997 (S2021], VME64 Extensions (stabilized maintenance of ANSI/VITA 1.1-1997 (R2003))
  Public Review Date: Oct 24, 2008 | Final Action Date: Nov 4, 2011 | Approved

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

- ANSI/VITA 1.5-2003 (S2014], 2eSST (stabilized maintenance of ANSI/VITA 1.5-2003 (R2009))
  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

- ANSI/VITA 1.6-2000 (S2021], Keying for Conduction Cooled VME64x (stabilized maintenance of ANSI/VITA 1.6-2000 (R2005))
  Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- ANSI/VITA 1.7-2003 (S2014), Increased Current DIN Connector (stabilized maintenance of ANSI/VITA 1.7-2003 (R2009))
  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Jan 27, 2022 | Approved

- ANSI/VITA 17.3-2018, Serial Front Panel Data Port (sFPDP) Gen 3.0 (new standard)
  PINS Date: Dec 15, 2017 | Public Review Date: Feb 16, 2918 | Final Action Date: Apr 10, 2018 | Approved

  Public Review Date: Jul 1, 2016 | Final Action Date: Mar 5, 2018 | Approved

  Public Review Date: Feb 14, 2014 | Final Action Date: May 12, 2014 | Approved

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VITA (VMEbus International Trade Association (VITA))

- 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)
  PINS Date: Jun 22, 2018 | Public Review Date: May 24, 2019 | Final Action Date: Jan 7, 2020 | Approved

- ANSI/VITA 41.6-2009 (R2016), VXS 1X Gigabit Ethernet Control Channel Layer Standard (reaffirmation of ANSI/VITA 41.6-2009)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 24, 2016 | Approved

- ANSI/VITA 42.0-2021, XMC Standard (revision of ANSI/VITA 42.0-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 30, 2021 | Approved

- 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)
  PINS Date: Nov 16, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jul 14, 2020 | Approved

- ANSI/VITA 46.4-2012 (R2018), PCIExpress 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
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
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<tr>
<td>ANSI/VITA 47.0-2019</td>
<td>Construction, Safety, and Quality for Plug-In Modules Standard</td>
<td>Dec 8, 2017</td>
<td>Feb 1, 2019</td>
<td>Apr 9, 2019</td>
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</tr>
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### Approved American National Standards

The data in this document is reported as of Monday, December 12, 2022

<table>
<thead>
<tr>
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<th>PINS Date</th>
<th>Public Review Date</th>
<th>Final Action Date</th>
<th>Status</th>
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<tr>
<td>ANSI/VITA 51.3-2010 (R2016), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010)</td>
<td>Feb 6, 2015</td>
<td>Aug 24, 2016</td>
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<tr>
<td>ANSI/VITA 61.0-2022, XMC 2.0 (revision of ANSI/VITA 61.0-2014)</td>
<td>Nov 19, 2021</td>
<td>Feb 10, 2022</td>
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## Approved American National Standards

### VITA (VMEbus International Trade Association (VITA))

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
<th>Status</th>
</tr>
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<tbody>
<tr>
<td>ANSI/VITA 67.2-2020</td>
<td>Coaxial Interconnect on VPX, 8 Position SMPM (revision of ANSI/VITA 67.2-2012)</td>
<td>Approved</td>
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<tr>
<td>ANSI/VITA 67.3-2022</td>
<td>Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane Standard (revision of ANSI/VITA 67.3-2020)</td>
<td>Approved</td>
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<tr>
<td>ANSI/VITA 68.0-2017</td>
<td>VPX Compliance Channel Standard (new standard)</td>
<td>Approved</td>
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<td>ANSI/VITA 68.1-2017</td>
<td>VPX Compliance Channel - Fixed Signal Integrity Budget Standard (new standard)</td>
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<td>ANSI/VITA 68.2-2021</td>
<td>VPX Standard S-Parameter Definition (new standard) (new standard)</td>
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<td>ANSI/VITA 74.0-2022x</td>
<td>Compliant System Small Form Factor Module Base Standard (revision of ANSI/VITA 74.0 -2017)</td>
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</tr>
<tr>
<td>ANSI/VITA 76-2016 (R2021)</td>
<td>High Performance Cable Standard - Ruggedized 10 Gbaud Bulkhead Connector for Cu and AOC Cables (reaffirmation of ANSI/VITA 76-2016)</td>
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<tr>
<td>ANSI/VITA 78.0-2022</td>
<td>Switched Mezzanine Card Plus (XMC+) Standard (new standard)</td>
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<tr>
<td>ANSI/VITA 86-2019</td>
<td>High Voltage Input Sealed Connector Power Supply (new standard)</td>
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<tr>
<td>ANSI/VITA 88.0-2021</td>
<td>Switched Mezzanine Card Plus (XMC+) Standard (new standard)</td>
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### WCMA (Window Covering Manufacturers Association)

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<thead>
<tr>
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<th>Title</th>
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<td>ANSI/WCMA A100.1-2018</td>
<td>Standard for Safety of Window Covering Products (revision of ANSI/WCMA A100.1-2014)</td>
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### WDMA (Window and Door Manufacturers Association)

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<th>Title</th>
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### WMA (World Millwork Alliance)

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<thead>
<tr>
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WMMA (ASC O1) (Wood Machinery Manufacturers of America)

2331 Rock Spring Road, Forest Hill, MD 21050 | 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/WMMA O1.1-3-2014 (R2022), Safety Requirements for CNC Machining Centers for the Woodworking Industry (reaffirmation of ANSI/WMMA O1.1-3-2014)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 18, 2022 | Approved

- ANSI/WMMA O1.1-4-2015 (R2022), Safety Requirements for Shapers  (reaffirmation of ANSI/WMMA 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 | 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

- ANSI X12.EDI 008000-2020, Standards for Electronic Data Interchange (revision, redesignation and consolidation of
  ANSI X12.1-2008 (R2013), ANSI X12.3-2008 (R2013), ANSI X12.5-2004 (R2013), ANSI X12.6-2004 (R2013), ANSI
  PINS Date: May 24, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jul 9, 2020 | Approved