Approved American National Standards

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

Listed below are Approved American National Standards (ANS) as of 10/3/2022. Additional information about these Approved ANS has been published in ANSI's Standards Action during the standards development cycle as indicated by the PINS Date and/or Public Review Start Date and Approval Date. To review this additional information, archived issues of ANSI's Standards Action in (PDF) format are available at (www.ansi.org/standardsaction). Questions concerning a particular ANS should be directed to the sponsoring ANSI-Accredited Standards Developer.

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

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

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

6888 Elm Street, Suite 2D, McLean, VA  22101-3829 | w: www.3-a.org

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

### A3 (Association for Advancing Automation)

900 Victors Way, Suite 140, Ann Arbor, MI  48108-5210 | w: www.automate.org/robotics

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

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

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

1400 Crystal Drive, Suite 430,, Arlington, VA  22202 | w: www.aluminum.org

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

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

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

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

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

- ANSI H35.5-2013 (R2017), Standard Nomenclature System for Aluminum Metal Matrix Composite Materials  (reaffirmation of ANSI H35.5-2013)
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved
AABC (Associated Air Balance Council)
2401 Pennsylvania Ave NW, Suite 330, Washington, DC 20037 | w: www.aabc.com

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

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

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

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

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

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

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

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

- ANSI/ASB BPR 060-2021, Guidelines for Barrel and Overall Length Measurements for Firearms (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, Safe Handling of Firearms and Ammunition (new standard)
PINS Date: Nov 24, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jun 30, 2020 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PINS Date: Jun 2, 2017 | Public Review Date: Oct 12, 2018 | Final Action Date: May 3, 2019 | Approved
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AAFS (American Academy of Forensic Sciences)

- ANSI/ASB Std 030-2019, Standards for a Quality Assurance Program in Bloodstain Pattern Analysis (new standard)
PINS Date: Mar 23, 2018 | Public Review Date: Aug 23, 2019 | Final Action Date: Dec 16, 2019 | Approved

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

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

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

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

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

- ANSI/ASB Std 038-2020, Standards for Internal Validation of Forensic DNA Testing Methods (new standard)
PINS Date: Jul 14, 2017 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 27, 2020 | Approved

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

- ANSI/ASB Std 044-2019, Standard for the Examination of Documents for Indentations (new standard)
PINS Date: Feb 23, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 16, 2019 | Approved

- ANSI/ASB Std 045-2019, Standard for Stature Estimation in Forensic Anthropology (new standard)
PINS Date: Aug 31, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Feb 8, 2019 | Approved

- ANSI/ASB Std 046-2019, Wildlife Forensics Validation Standards - STR Analysis (new standard)
PINS Date: Jul 28, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: May 3, 2019 | Approved

PINS Date: Jul 28, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: May 3, 2019 | Approved

PINS Date: Jul 28, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: May 3, 2019 | Approved

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

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

- ANSI/ASB Std 061-2021, Firearms and Toolmarks 3D Measurement Systems and Measurement Quality Control (new standard)
PINS Date: May 25, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Oct 15, 2021 | Approved

- ANSI/ASB Std 062-2021, Standard for Topography Comparison Software for Firearm and Toolmark Analysis (new standard)
PINS Date: Oct 19, 2018 | Public Review Date: Mar 27, 2020 | Final Action Date: Oct 15, 2021 | Approved

- ANSI/ASB Std 063-2021, Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories (new standard)
PINS Date: Jul 27, 2018 | Public Review Date: Mar 27, 2020 | Final Action Date: Oct 15, 2021 | Approved
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<td>ANSI/ASB Std 088-2020</td>
<td>General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines</td>
<td>Approved</td>
<td>May 11, 2018</td>
<td>Jul 12, 2019</td>
<td>Feb 13, 2020</td>
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<td>ANSI/ASB Std 105-2021</td>
<td>Minimum Education Requirements for Firearm and Toolmark Examiner Trainees</td>
<td>Approved</td>
<td>Nov 9, 2018</td>
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### AAFS (American Academy of Forensic Sciences)

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

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

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

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

  - PINS Date: Sep 27, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Aug 5, 2021 | Approved

  - 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

  - PINS Date: Apr 17, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Sep 24, 2021 | Approved

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

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

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

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

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

  - Public Review Date: Aug 17, 2012 | Final Action Date: May 8, 2014 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

- 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 EQ56-2013, Recommended practice for a medical equipment management program (revision of ANSI/AAMI EQ56-1999 (R2008))
  PINS Date: Feb 25, 2011 | Public Review Date: Jul 27, 2012 | Final Action Date: Mar 13, 2013 | Approved

- ANSI/AAMI EQ89-2015, Guidance for the use of medical equipment maintenance strategies and procedures (new standard)
  PINS Date: Aug 3, 2012 | Public Review Date: Jul 25, 2014 | Final Action Date: Feb 12, 2015 | Approved

- ANSI/AAMI EQ93-2019, Medical equipment management - Vocabulary used in medical equipment programs (new standard)
  PINS Date: Apr 29, 2016 | Public Review Date: Jul 20, 2018 | Final Action Date: Apr 18, 2019 | Approved

  Public Review Date: Oct 14, 2011 | Final Action Date: Jan 17, 2012 | Approved

  Public Review Date: Apr 22, 2011 | Final Action Date: Aug 21, 2012 | Approved
PINS Date: Sep 11, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 1, 2022 | Approved

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

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

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

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

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

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

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

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

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

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

Public Review Date: Aug 14, 2015 | Final Action Date: Nov 23, 2015 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

  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

- 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
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<tr>
<td>ANSI/AAMI ST8-2013 (R2018), Hospital steam sterilizers (reaffirmation of ANSI/AAMI ST8-2013)</td>
<td>Mar 30, 2018</td>
<td>Aug 17, 2018</td>
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<td>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)</td>
<td>Sep 11, 2020</td>
<td>Dec 18, 2020</td>
<td>Feb 1, 2022</td>
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### Approved American National Standards

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

- 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

  - 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
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

  PINS Date: Oct 30, 2009 | Public Review Date: Jul 24, 2009 | Final Action Date: Dec 10, 2009 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

  Public Review Date: Jun 17, 2011 | Final Action Date: Nov 16, 2011 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Aug 30, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Oct 5, 2020 | Approved

  PINS Date: Aug 16, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Nov 3, 2020 | Approved

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

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

  PINS Date: Feb 9, 2007 | Public Review Date: Mar 8, 2013 | Final Action Date: Aug 14, 2014 | Approved

  PINS Date: Dec 18, 2015 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 27, 2020 | Approved

  Public Review Date: Aug 16, 2013 | Final Action Date: Feb 6, 2014 | Approved

  Public Review Date: Nov 21, 2014 | Final Action Date: Jan 10, 2017 | Approved

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  Public Review Date: Aug 21, 2015 | Final Action Date: Oct 6, 2015 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

  PINS Date: Sep 15, 2017 | Public Review Date: Nov 16, 2018 | Final Action Date: May 1, 2019 | Approved

  Public Review Date: Jul 20, 2018 | Final Action Date: May 1, 2019 | Approved

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

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

- ANSI/AAMI/ISO 11140-3-2012 (R2015), Sterilization Of Health Care Products - Chemical Indicators - Part 3: Class 2 Indicator Systems For Use In The Bowie And Dick-Type Steam Penetration Test (reaffirm a national adoption ANSI/AAMI/ISO 11140-3-2007 (R2012))
  Public Review Date: Sep 4, 2015 | Final Action Date: Nov 10, 2015 | Approved
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<td>Cardiovascular implants and extracorporeal systems - Blood/tissue contact surface modifications for extracorporeal perfusion systems</td>
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<td>ANSI/AAMI/ISO 13022-2012</td>
<td>Medical products containing viable human cells -- Application of risk management and requirements for processing practices</td>
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  Public Review Date: Aug 5, 2011 | Final Action Date: Dec 14, 2011 | Approved

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

  PINS Date: May 2, 2014 | Public Review Date: Mar 31, 2017 | Final Action Date: Feb 1, 2018 | Approved

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

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

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

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

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

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

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

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

  Public Review Date: Aug 28, 2015 | Final Action Date: Nov 17, 2016 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

  PINS Date: Oct 28, 2011 | Public Review Date: Aug 28, 2015 | Final Action Date: Mar 2, 2017 | Approved

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

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

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

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

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

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

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

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

  Public Review Date: Jun 28, 2013 | Final Action Date: Oct 4, 2013 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

PINS Date: Feb 12, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Aug 24, 2022 | Approved

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

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

PINS Date: Aug 28, 2015 | Public Review Date: Nov 27, 2015 | Final Action Date: Nov 17, 2016 | Approved

Public Review Date: Aug 28, 2015 | Final Action Date: Nov 22, 2016 | Approved

PINS Date: Jul 1, 2016 | Public Review Date: Sep 6, 2019 | Final Action Date: Jan 28, 2020 | Approved
## AAMI (Association for the Advancement of Medical Instrumentation)

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<td>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)</td>
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  Public Review Date: Jan 3, 2014 | Final Action Date: Apr 4, 2014 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

  - Public Review Date: May 19, 2017 | Final Action Date: Dec 11, 2017 | Approved

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

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

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

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

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

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

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

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

  - PINS Date: Apr 24, 2015 | Public Review Date: Jul 20, 2018 | Final Action Date: Jun 28, 2019 | Approved
### AARST (American Association of Radon Scientists and Technologists)

  PINS Date: Mar 24, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

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

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

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

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

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

### ABMA (American Brush Manufacturers Association)

  PINS Date: Aug 17, 2018 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 11, 2019 | Approved

### ABMA (ASC B3) (American Bearing Manufacturers Association)

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

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

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ABMA (ASC B3) (American Bearing Manufacturers Association)

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  PINS Date: Sep 15, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 27, 2018 | Approved

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

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

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

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

  Public Review Date: May 8, 2020 | Final Action Date: Nov 2, 2020 | Approved

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  PINS Date: Sep 26, 2014 | Public Review Date: Nov 14, 2014 | Final Action Date: Jan 8, 2015 | 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

ABTG (Applied Building Technology Group)

- 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)

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

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

  - 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

  - PINS Date: Nov 8, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

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

  - PINS Date: Oct 27, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 15, 2018 | Approved

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

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

- ANSI/ABYC A-3-2021, Cooking Appliances (revision of ANSI/ABYC A-3-2013)
  - Public Review Date: Apr 16, 2021 | Final Action Date: Jul 6, 2021 | Approved

  - PINS Date: Oct 20, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 15, 2018 | Approved

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

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

- **ANSI/ABYC H-4-2020, Cockpit Drainage Systems** *(revision of ANSI/ABYC H-4-2015)*  
  PINS Date: Sep 27, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

- **ANSI/ABYC H-40-2019, ANCHORING, MOORING, AND STRONG POINTS** *(new standard)*  
  PINS Date: Sep 14, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/ABYC H-41-2022, Reboarding Means, Ladders, Handholds, Rails, And Lifelines** *(new standard)*  
  PINS Date: Sep 14, 2018 | Public Review Date: May 13, 2022 | Final Action Date: Jul 11, 2022 | Approved

- **ANSI/ABYC H-5-2021, BOAT LOAD CAPACITY** *(revision of ANSI/ABYC H-5-2017)*  
  PINS Date: Nov 6, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/ABYC H-8-2020, Buoyancy In The Event Of Flooding/Swamping** *(revision of ANSI/ABYC H-8-2017)*  
  PINS Date: Nov 6, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/ABYC P-1-2019, Installation of Exhaust Systems for Propulsion and Auxiliary Engines** *(new standard)*  
  PINS Date: Sep 14, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jul 9, 2019 | Approved

- **ANSI/ABYC P-14-2020, Mechanical Propulsion Control Systems** *(revision of ANSI/ABYC P-14-2016)*  
  PINS Date: Sep 27, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

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

  PINS Date: Nov 5, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Jun 16, 2022 | Approved

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

- **ANSI/ABYC P-23-2022, Mechanical Steering And Propulsion Controls For Jet Boats** *(revision of ANSI/ABYC P-23-2017)*  
  PINS Date: Oct 8, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 16, 2022 | Approved

  PINS Date: Nov 19, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 30, 2020 | Approved

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

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

  PINS Date: 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
Approved American National Standards

The data in this document is reported as of Monday, October 3, 2022

ABYC (American Boat and Yacht Council)

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

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

ACCA (Air Conditioning Contractors of America)

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

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

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

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

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

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

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

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

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

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

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

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

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

ACCT (Association for Challenge Course Technology)

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

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

| **ACI (American Concrete Institute)** | 38800 Country Club Drive, Farmington Hills, MI 48331 | w: www.concrete.org |
|---------------------------------------|-----------------------------------------------|
| ANSI/ACI 318-2019, Building Code Requirements for Structural Concrete and Commentary | new standard | PINS Date: Sep 14, 2018 | Public Review Date: Dec 21, 2018 | Final Action Date: Dec 20, 2019 |


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


| **ACP (American Clean Power Association)** | 1501 M Street NW, Suite 1000, Washington, DC 22205 | w: www.cleanpower.org |
|---------------------------------------------|--------------------------------------------|
| ANSI/ACP 101-1-2021, The Small Wind Turbine Standard | new standard | PINS Date: Jun 12, 2020 | Public Review Date: May 21, 2021 | Final Action Date: Dec 21, 2021 |

| 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 |

| 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 |


ACP (American Clean Power Association)

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

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

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

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

ADA (Organization) (American Dental Association)

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

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

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

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

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

  PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

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

  Public Review Date: Oct 4, 2019 | Final Action Date: Nov 26, 2019 | Approved

  PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

- ANSI/ADA Standard No. 1058-2010 (R2020), Forensic Dental Data Set (reaffirmation of ANSI/ADA Standard No. 1058-2010 (R2015))
  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved
ADA (Organization) (American Dental Association)

- ANSI/ADA Standard No. 1067-2013 (R2018), Electronic Dental System Standard Functional Requirements
  (reaffirmation of ANSI/ADA Standard No. 1067-2013)
  Public Review Date: Jul 6, 2018 | Final Action Date: Oct 31, 2018 | Approved

- ANSI/ADA Standard No. 1079-2015 (R2020), Standard Content of Electronic Attachments for Dental Claims
  (reaffirmation of ANSI/ADA Standard No. 1079-2015)
  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved

  PINS Date: Aug 29, 2008 | Public Review Date: Dec 26, 2008 | Final Action Date: Feb 24, 2009 | Approved

- ANSI/ADA Standard No. 108, Addendum-2011 (R2022), Amalgam Separators Addendum  (reaffirm a national adoption
  ANSI/ADA Standard No. 108, Addendum-2011)
  Public Review Date: Oct 1, 2021 | Final Action Date: Jan 31, 2022 | Approved

- ANSI/ADA Standard No. 1084-2019, Reference Core Data Set for Communication Among Dental and Other Health
  Information Systems  (new standard)
  PINS Date: Sep 14, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: May 21, 2019 | Approved

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

- ANSI/ADA Standard No. 1097-2020, Digital Caries Risk Assessment Resources  (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | Approved

- ANSI/ADA Standard No. 1105-2022, Digital Periodontitis Risk Assessment Resources  (new standard)
  PINS Date: Dec 11, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 28, 2022 | Approved

  11405:2015, Dentistry - Testing of adhesion to tooth structure)
  PINS Date: Mar 17, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/ADA Standard No. 113-2015, Periodontal Curettes, Dental Scalers and Excavators  (identical national adoption
  No. 113-2008)
  PINS Date: Dec 6, 2013 | Public Review Date: Aug 7, 2015 | Final Action Date: Dec 17, 2015 | Approved

- ANSI/ADA Standard No. 114-2022, Portable Dental Equipment for Use in Non-Permanent Healthcare Environment -
  General Requirements  (identical national adoption of ISO 23402-1:2020)
  PINS Date: Mar 5, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Jan 31, 2022 | Approved

  of ANSI/ADA Standard No. 116-2010)
  PINS Date: Sep 28, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/ADA Standard No. 117-2022, Fluoride Varnishes  (identical national adoption of ISO 17730:2020 and revision of
  ANSI/ADA Standard No. 117-2018)
  PINS Date: Mar 5, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Jan 31, 2022 | Approved

  and revision of ANSI/ADA Standard No. 119-2015)
  PINS Date: Aug 30, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved
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<td>PINS Date: Aug 11, 2017</td>
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<td>Minimal Dental Implant Data Set for Clinical Use</td>
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<td>PINS Date: Jun 29, 2018</td>
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Approved American National Standards

ADA (Organization) (American Dental Association)

  PINS Date: Apr 20, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

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

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

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

  Public Review Date: Feb 14, 2014 | Final Action Date: Sep 8, 2014 | Approved

  PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

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

  PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | Approved

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

  PINS Date: Aug 30, 2019 | Public Review Date: Oct 1, 2021 | Final Action Date: Jan 31, 2022 | Approved
### ADA (Organization) (American Dental Association)

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

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

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

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

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

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

  - PINS Date: Jan 12, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Aug 26, 2019 | **Approved**

  - PINS Date: Mar 17, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Dec 21, 2017 | **Approved**

  - PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | **Approved**

  - PINS Date: Aug 30, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 21, 2020 | **Approved**

  - 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)

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

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

- 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)

  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

  Public Review Date: Apr 8, 2022 | Final Action Date: Jun 2, 2022 | Approved

AGMA (American Gear Manufacturers Association)

  Public Review Date: May 10, 2019 | Final Action Date: Feb 6, 2020 | Approved

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

  Public Review Date: Apr 26, 2019 | Final Action Date: Feb 6, 2020 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: May 10, 2019 | Final Action Date: Dec 5, 2019 | Approved

  Public Review Date: May 10, 2019 | Final Action Date: Feb 6, 2020 | Approved
## AGMA (American Gear Manufacturers Association)

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

  - Public Review Date: Jun 13, 2014 | Final Action Date: Aug 29, 2016 | Approved

  - PINS Date: Jun 15, 2012 | Public Review Date: May 10, 2019 | Final Action Date: Dec 17, 2019 | Approved

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  - Public Review Date: Jun 4, 2021 | Final Action Date: Nov 1, 2021 | Approved

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

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

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

  - PINS Date: Aug 5, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Nov 30, 2020 | Approved
AGMA (American Gear Manufacturers Association)

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

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

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

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

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

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

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

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

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

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

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

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

- ANSI/AGMA 6034-CXX-2021, Practice for Enclosed Cylindrical Wormgear Speed Reducers and Gearmotors (revision and redesignation of ANSI/AGMA 6034-B92-2010 (R2016))
  PINS Date: Apr 19, 2013 | Public Review Date: Feb 8, 2019 | Final Action Date: Apr 8, 2021 | Approved

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

  PINS Date: May 27, 2011 | Public Review Date: May 11, 2018 | Final Action Date: Feb 1, 2019 | Approved
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<td>Flexible Couplings -- Potential Unbalance Classification</td>
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AGMA (American Gear Manufacturers Association)

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

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

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

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

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

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

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

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

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

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

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

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

AGSC (Auto Glass Safety Council)

20 PGA Drive, Suite 201, Stafford, VA  22554 | w: www.agsc.org

  Public Review Date: Jun 22, 2018 | Final Action Date: Aug 23, 2018 | Approved
### AGSC (Auto Glass Safety Council)

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

### AHAM (Association of Home Appliance Manufacturers)

1111 19th Street N.W., Suite 402, Washington, DC  20036 | w: www.aham.org

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

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

2311 Wilson Boulevard, Suite 400, Arlington, VA  22201-3001 | w: www.ahrinet.org

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

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

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

  - PINS Date: Sep 7, 2012 | Public Review Date: Oct 19, 2012 | Final Action Date: Dec 6, 2012 | Approved

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

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

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

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

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

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

  - PINS Date: May 16, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved
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AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

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

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

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

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

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

  PINS Date: Jul 17, 2009 | Public Review Date: Feb 21, 2014 | Final Action Date: Apr 16, 2014 | Approved

  PINS Date: Jul 17, 2009 | Public Review Date: Feb 21, 2014 | Final Action Date: Apr 15, 2014 | Approved

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

  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

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

  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)

12700 Sunrise Valley Drive, Suite 200, Reston, VA 20191-5807 | w: www.aiaa.org

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

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

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

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

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

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

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

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

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

  - 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

  - Pins Date: Apr 26, 2019 | Public Review Date: Oct 19, 2018 | Final Action Date: Sep 16, 2019 | Approved

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

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

  - Public Review Date: Apr 29, 2016 | Final Action Date: Sep 1, 2016 | Approved
### AIAA (American Institute of Aeronautics and Astronautics)

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

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

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

  - PINS Date: May 22, 2015 | Public Review Date: Oct 23, 2015 | Final Action Date: Oct 21, 2016 | Approved

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  - Public Review Date: Jun 14, 2019 | Final Action Date: Jul 31, 2019 | Approved

### AISC (American Institute of Steel Construction)

  - PINS Date: May 3, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: May 9, 2022 | Approved

  - PINS Date: May 3, 2019 | Public Review Date: May 13, 2022 | Final Action Date: Sep 26, 2022 | Approved

  - PINS Date: May 18, 2018 | Public Review Date: Apr 1, 2022 | Final Action Date: Aug 1, 2022 | Approved

  - 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 7, 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
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25 Massachusetts Avenue, NW, Suite 800, Washington, DC 20001 | w: www.steel.org

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<td>Supplement 2 to North American Specification for the Design of Cold-Formed Steel Structural Members (supplement to ANSI/AISI S100-2016)</td>
<td>PINS Date: Jul 5, 2019</td>
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<td>ANSI/AISI S100-2016 (R2020)/S3-2022</td>
<td>Supplement 3 to the 2016 Edition of the North American Specification for the Design of Cold-Formed Steel Structural Members (supplement to ANSI/AISI S100-2016 (R2020) ANSI/AISI S100-16/S2-2020)</td>
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<td>ANSI/AISI S201-2017</td>
<td>North American Standard for Cold-Formed Steel Framing - Product Data (revision of ANSI/AISI S201-2012)</td>
<td>PINS Date: Aug 15, 2014</td>
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<td>ANSI/AISI S250-2021</td>
<td>North American Standard for Thermal Transmittance of Building Envelopes with Cold-Formed Steel Framing (new standard)</td>
<td>PINS Date: Mar 28, 2014</td>
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<td>ANSI/AISI S250-2021/S1-2022</td>
<td>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)</td>
<td>PINS Date: Dec 17, 2021</td>
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<td>ANSI/AISI S914-2017</td>
<td>Test Standard for Determining the Strength and Deformation Behavior of Joist Connectors Attached to Cold-Formed Steel Structural Framing</td>
<td>(revision of ANSI/AISI S914-2015)</td>
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**AISI (American Iron and Steel Institute)**

  PINS Date: Dec 21, 2018 | Public Review Date: Oct 23, 2020 | Final Action Date: Dec 17, 2020 | Approved

- 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

- ANSI/AISI S918-2017, Test Standard for Determination of Fastener-Sheathing Rotational Stiffness  (new standard)
  PINS Date: Jun 26, 2015 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 11, 2016 | Approved

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

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

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

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

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

**ALI (Automotive Lift Institute)**

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

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

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

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

  PINS Date: May 12, 2017 | Public Review Date: Nov 3, 2017 | Final Action Date: Aug 23, 2018 | Approved
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**ALI (ASC A14) (American Ladder Institute)**

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**AMCA (Air Movement and Control Association)**

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

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AMCA (Air Movement and Control Association)

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

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

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

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

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

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

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

- ANSI/AMCA Standard 301-2014, Methods for Calculating Fan Sound Ratings from Laboratory Test Data (revision of ANSI/AMCA 301-2006)
  PINS Date: May 27, 2011 | Public Review Date: Jun 13, 2014 | Final Action Date: Aug 14, 2014 | Approved

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

  PINS Date: Oct 19, 2018 | Public Review Date: Oct 22, 2021 | Final Action Date: Apr 13, 2022 | Approved

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

AMCi (AMC Institute)

107 South West Street, Suite 481, Alexandria, VA 22314 | w: www.amcinstitute.org

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

AmericanHort (AmericanHort)

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

  PINS Date: Oct 9, 2009 | Public Review Date: Mar 14, 2014 | Final Action Date: Apr 14, 2014 | Approved
AMPP (Association for Materials Protection and Performance)

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

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

  PINS Date: Apr 23, 2021 | Public Review Date: Sep 24, 2021 | Final Action Date: Sep 21, 2022 | Approved

  PINS Date: May 9, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: May 3, 2016 | Approved

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

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

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

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

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

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

ANS (American Nuclear Society)

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

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

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

  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 23, 2021 | Approved
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<th>ANSI/ANS 10.7-2013 (R2018), Non-Real-Time, High-Integrity Software for the Nuclear Industry - Developer Requirements (reaffirmation of ANSI/ANS 10.7-2013)</th>
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<td>ANSI/ANS 15.2-1999 (R2021), Quality Control for Plate-Type Uranium-Aluminum Fuel Elements (reaffirmation of ANSI/ANS 15.2-1999 (R2016))</td>
<td>Public Review Date: Nov 20, 2020</td>
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<td>ANSI/ANS 15.4-2016 (R2021), Selection and Training of Personnel for Research Reactors (reaffirmation of ANSI/ANS 15.4-2016)</td>
<td>Public Review Date: May 21, 2021</td>
<td>Final Action Date: Jul 23, 2021</td>
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| ANSI/AES 19.3.4-2022, The Determination of Thermal Energy Deposition Rates in Nuclear Reactors | revision of ANSI/AES 19.3.4-2002 (R2017) |
| PINS Date: Sep 1, 2017 | Public Review Date: Apr 22, 2022 | Final Action Date: Jul 12, 2022 | Approved |

| Public Review Date: Jun 17, 2022 | Final Action Date: Aug 24, 2022 | Approved |

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

| Public Review Date: Feb 11, 2022 | Final Action Date: Apr 1, 2022 | Approved |

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

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

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

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

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

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

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

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

| ANSI/AES 2.3-2011 (R2021), Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites | reaffirmation of ANSI/AES 2.3-2011 (R2016) |
| Public Review Date: May 7, 2021 | Final Action Date: Jul 19, 2021 | Approved |
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<td>Guidelines for Estimating Present and Forecasting Future Population Distributions Surrounding Nuclear Facility Sites (new standard)</td>
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<td>Public Review Date: Mar 25, 2022</td>
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<td>Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013)</td>
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### APA (APA - The Engineered Wood Association)

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

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

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

  - PINS Date: Oct 25, 2019 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 17, 2022 | Approved

  - PINS Date: Feb 17, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: Sep 27, 2013 | 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

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

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

  - PINS Date: Mar 8, 2013 | Public Review Date: Jul 20, 2018 | Final Action Date: Jan 9, 2019 | Approved

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

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

  - PINS Date: Oct 11, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 30, 2020 | Approved
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APCO (Association of Public-Safety Communications Officials-International)

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<th>Standard Number</th>
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<td>ANSI/APCO 1.119.1-2021</td>
<td>Public Safety Telecommunicator Critical Incident Stress Debriefing Program (new standard)</td>
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<td>ANSI/APCO 1.120.1-2021</td>
<td>Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators (new standard)</td>
<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)

- ANSI/APC0 3.109.3-2022, Core Competencies and Minimum Training Standards for Public Safety Communications Manager/Director  (revision and redesignation of ANSI/APC0 3.109.2-2014)  
  PINS Date: Feb 15, 2019 | Public Review Date: Nov 5, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/APC0 3.110.1-2019, Cyber Security Training for Public Safety Communications Personnel  (new standard)  
  PINS Date: Sep 8, 2017 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 17, 2019 | Approved

- ANSI/APC0/NENA 1.102.3-2020, Public Safety Answering Point (PSAP) Service Capability Criteria Rating Scale  (revision and redesignation of ANSI/APC0/NENA 1.102.2-2010)  
  PINS Date: Jul 11, 2014 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 30, 2020 | Approved

  PINS Date: Dec 12, 2014 | Public Review Date: Feb 6, 2015 | Final Action Date: Jul 14, 2015 | Approved

  PINS Date: Apr 26, 2013 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/APC0/NPSTC 1.104.2-2017, Standard Channel Nomenclature for the Public Safety Interoperability Channels  (revision and redesignation of ANSI/APC0/NPSTC 1.104.1-2010)  
  PINS Date: Dec 12, 2014 | Public Review Date: Dec 25, 2015 | Final Action Date: Jan 3, 2017 | Approved

- ANSI/APC0/TMA 2.101.3-2021, Alarm Monitoring Company to Emergency Communications Center (ECC) Computer Aided Dispatch (CAD) Automated Secure Alarm Protocol (ASAP)  (revision and redesignation of ANSI/APC0/CSAA 2.101.2-2014)  
  PINS Date: Apr 26, 2019 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 8, 2021 | Approved

### API (American Petroleum Institute)

200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571 | w: www.api.org

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

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

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

  Public Review Date: 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

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

  PINS Date: Jul 20, 2007 | Public Review Date: Dec 18, 2015 | Final Action Date: Feb 11, 2016 | Approved
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API (American Petroleum Institute)

  PINS Date: Feb 7, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Mar 24, 2021 | Approved

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

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

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

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

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

  PINS Date: Apr 10, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 25, 2017 | Approved

  Public Review Date: Apr 8, 2022 | Final Action Date: Sep 13, 2022 | Approved

  PINS Date: Oct 2, 2009 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 16, 2014 | Approved

  PINS Date: Aug 30, 2019 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 22, 2021 | Approved

  Public Review Date: Jul 3, 2020 | Final Action Date: Aug 27, 2020 | Approved

  Public Review Date: Jul 3, 2020 | Final Action Date: Aug 27, 2020 | Approved

  Public Review Date: Feb 28, 2020 | Final Action Date: Aug 24, 2020 | Approved
API (American Petroleum Institute)

  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

  Public Review Date: May 29, 2020 | Final Action Date: Sep 22, 2020 | Approved

  PINS Date: Apr 1, 2016 | Public Review Date: Apr 12, 2019 | Final Action Date: Feb 11, 2020 | Approved

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

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

  PINS Date: Aug 3, 2018 | Public Review Date: May 8, 2020 | Final Action Date: Jan 4, 2021 | Approved

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<td>ANSI/API RP 5A5/ISO 15463-2010 (R2021)</td>
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<td>May 8, 2020</td>
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<td>Apr 25, 2016</td>
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  PINS Date: Jan 28, 2011 | Public Review Date: Dec 26, 2014 | Final Action Date: Aug 3, 2016 | Approved

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

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

  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

- 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

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

  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved
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APTech (ASC CGATS) (Association for Print Technologies)

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<td>ANSI IT8.6-2017</td>
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<td>Input data for characterization of 4-color process printing -- Extended data set (new standard)</td>
<td>PINS Date: Oct 6, 2017</td>
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<td>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)</td>
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<td>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))</td>
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<td>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))</td>
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<td>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))</td>
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<td>Public Review Date: Jul 9, 2021</td>
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ARESCA (American Renewable Energy Standards and Certification Association)
256 Farrell Farm Road, Norwich, VT  05055 | w: www.aresca.us

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

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

  Public Review Date: Jun 14, 2019 | Final Action Date: Aug 9, 2019 | Approved

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

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- 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

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

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  PINS Date: Jan 1, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Jun 8, 2021 | Approved
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<td>ANSI/ASA S1.15, Part 3-2021/IEC 61094-3-2016, Electroacoustics - Measurement microphones - Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique (identical national adoption of IEC 61094-3:2016)</td>
<td>PINS Date: Jan 1, 2021</td>
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<td>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)</td>
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<tr>
<td>ANSI/ASA S1.15, Part 8-2021/IEC 61094-8-2012, Electroacoustics - Measurement microphones - Part 8: Methods for determining the free-field sensitivity of working standard microphones by comparison (identical national adoption of IEC 61094-8:2012)</td>
<td>PINS Date: Jan 1, 2021</td>
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<td>ANSI/ASA S1.18-2018, Method for Determining the Acoustic Impedance of Ground Surfaces (revision of ANSI/ASA S1.18-2010)</td>
<td>PINS Date: Apr 4, 2014</td>
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<td>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)</td>
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ASA (ASC S1) (Acoustical Society of America)

PINS Date: Apr 5, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Aug 13, 2019 | Approved

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

PINS Date: Jun 8, 2018 | Public Review Date: Jul 12, 2019 | Final Action Date: Feb 21, 2020 | Approved

- 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

ASA (ASC S12) (Acoustical Society of America)

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

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

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### ASA (ASC S12) (Acoustical Society of America)

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

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  - **PINS Date:** Sep 18, 2015 | **Public Review Date:** Mar 22, 2019 | **Final Action Date:** May 10, 2019 | **Approved**

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ASA (ASC S12) (Acoustical Society of America)

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

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

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

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

  Public Review Date: Jul 7, 2017 | Final Action Date: Jan 17, 2019 | Approved

  PINS Date: Mar 12, 2021 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 30, 2021 | Approved

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

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  Public Review Date: Jul 7, 2017 | Final Action Date: Jan 17, 2019 | Approved
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  Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved

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

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

  PINS Date: Mar 27, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 30, 2021 | Approved

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

  PINS Date: Mar 5, 2010 | Public Review Date: Jul 9, 2021 | Final Action Date: Dec 16, 2021 | Approved

ASA (ASC S2) (Acoustical Society of America)

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

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

- ANSI/ASA S2.16-1997 (R2020), Vibratory Noise Measurements and Acceptance Requirements for Shipboard Equipment  (reaffirmation of ANSI/ASA S2.16-1997 (R2016))
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## Approved American National Standards

**ASA (ASC S2) (Acoustical Society of America)**

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

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

  - Public Review Date: Apr 5, 2019 | Final Action Date: Jun 3, 2019 | **Approved**

  - Public Review Date: Oct 26, 2018 | Final Action Date: Jan 17, 2019 | **Approved**

- 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**

  - 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**
ASA (ASC S2) (Acoustical Society of America)

- ANSI/ASA S2.4-1976 (R2020), Method for Specifying the Characteristics of Auxiliary Analog Equipment for Shock and Vibration Measurements (reaffirmation of ANSI/ASA S2.4-1976 (R2014))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

- ANSI/ASA S2.46-1989 (R2020), Standard Characteristics to be Specified for Seismic Transducers (reaffirmation of ANSI/ASA S2.46-1989 (R2015))
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  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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- ANSI/ASA S2.70-2006 (R2020), Guide for the Measurement and Evaluation of Human Exposure to Vibration Transmitted to the Hand (reaffirmation of ANSI/ASA S2.70-2006 (R2016))
  Public Review Date: Apr 3, 2020 | Final Action Date: Jun 19, 2020 | Approved

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ASA (ASC S2) (Acoustical Society of America)

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

- 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)

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

  Public Review Date: Oct 26, 2018 | Final Action Date: Dec 14, 2018 | Approved
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**ASA (ASC S3) (Acoustical Society of America)**

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

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

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- ANSI/ASA S3.36-2012 (R2018), Specification for a Manikin for Simulated in-situ Airborne Acoustic Measurements (reaffirmation of ANSI/ASA S3.36-2012)
  - Public Review Date: Nov 17, 2018 | Final Action Date: Jan 17, 2018 | Approved

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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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  - Public Review Date: Aug 24, 2018 | Final Action Date: Oct 11, 2018 | Approved

  - Public Review Date: Jan 4, 2019 | Final Action Date: Mar 14, 2019 | Approved

- 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

  - Public Review Date: Apr 20, 2018 | Final Action Date: Jun 13, 2018 | Approved

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

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

- 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
## ASA (Acoustical Society of America)

  - Public Review Date: Mar 27, 2020 | Final Action Date: May 28, 2020 | Approved

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## ASABE (American Society of Agricultural and Biological Engineers)

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

- **ANSI/ASABE AD26322-2-JUN2017 (R2022)**, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (reaffirm a national adoption ANSI/ASABE AD26322-2-JUN2017)
  - Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

- **ANSI/ASABE AD3600:2016 (R2021)**, Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Operators manuals - Content and format (reaffirm a national adoption ANSI/ASABE AD3600:2016)
  - Public Review Date: Nov 13, 2020 | Final Action Date: Mar 24, 2021 | Approved

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

  - Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- **ANSI/ASABE AD4254-12-JUL2016 (R2020)**, Agricultural machinery — Safety — Part 12: Rotary disc and drum mowers and flat mowers (reaffirm a national adoption ANSI/ASABE AD4254-12-JUL2016)
  - Public Review Date: Oct 30, 2020 | Final Action Date: Dec 21, 2020 | Approved
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PINS Date: Oct 30, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Mar 8, 2021 | Approved

ANSI/ASABE AD500-2:OCT2016 (R2020), Agricultural tractors — Rear-mounted power take-off types 1, 2, 3 and 4 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone (reaffirm a national adoption ANSI/ASABE AD500-2:OCT2016)
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

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

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

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

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

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

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

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- ANSI/ASABE S613-4-AUG2017 (R2022), Tractors and self-propelled machinery for agriculture – Air quality systems for cabs – Part 4: Performance Test of a Cab  (reaffirmation of ANSI/ASABE S613-4-AUG2017)
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

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- 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
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<td>Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms)</td>
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<td>Droplet Size Classification of Aerial Application Nozzles</td>
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<td>ANSI/ASABE S648-3-MONYEAR-2020</td>
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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)
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<td>Tractors for agriculture and forestry — Falling object protective structures — Test procedures and performance requirements (reaffirm a national adoption ANSI/ASABE/ISO 27850-2016)</td>
<td>Approved</td>
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ASABE (American Society of Agricultural and Biological Engineers)

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- ANSI/ASABE/ISO 4252-MAY2012 (R2022), Agricultural tractors - Operators workplace, access and exit - Dimensions (reaffirm a national adoption ANSI/ASABE/ISO 4252-MAY2012 (R2017))
  - Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved

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

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

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

  (reaffirmation of ANSI/ASAE EP282.2-1993 (R2013))  
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- **ANSI/ASAE EP302.4-AUG93 (R2017)**, Design and Construction of Surface Drainage Systems on Agricultural Lands in Humid Areas  
  (reaffirmation of ANSI/ASAE EP302.4-AUG93 (R2013))  
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 30, 2017 | Approved

- **ANSI/ASAE EP364.4-FEB-2013 (R2018)**, Installation and Maintenance of Farm Standby Electric Power  
  (reaffirmation of ANSI/ASAE EP364.4-FEB-2013)  
  Public Review Date: Oct 13, 2017 | Final Action Date: Mar 5, 2018 | Approved

- **ANSI/ASAE EP378.4 JUN2010 (R202x)**, Floor and Suspended Loads on Agricultural Structures Due to Use  
  (reaffirmation of ANSI/ASAE EP378.4 JUN2010 (R2014))  
  Public Review Date: Oct 11, 2019 | Final Action Date: Nov 26, 2019 | Approved

- **ANSI/ASAE EP389.2 JUN1993 (R2019)**, Auger Flighting Design Considerations  
  (reaffirmation of ANSI/ASAE EP389.2 JUN1993 (R2015))  
  Public Review Date: Nov 1, 2019 | Final Action Date: Dec 17, 2019 | Approved

- **ANSI/ASAE EP400.3-2007 (R2017)**, Designing and Constructing Irrigation Wells  
  (reaffirmation of ANSI/ASAE EP400.3-2007 (R2012))  
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  (reaffirmation of ANSI/ASAE EP403.4-FEB-2011 (R2015))  
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- **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 (R2017)**, Loads Exerted by Irish Potatoes in Shallow Bulk Storage Structures  
  (reaffirmation of ANSI/ASAE EP446.3-2008 (R2012))  
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 28, 2017 | Approved

- **ANSI/ASAE EP484.3-DEC2017, Diaphragm Design of Metal-Clad, Wood-Frame Rectangular Buildings**  
  (revision and redesignation of ANSI/ASAE EP484.2-AUG98 (R2012))  
  PINS Date: Dec 19, 2014 | Public Review Date: Sep 29, 2017 | Final Action Date: Dec 21, 2017 | Approved

  (reaffirmation of ANSI/ASAE EP545 MAR1995 (R2015))  
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- **ANSI/ASAE EP576.2-2012 (R2017)**, Lighting And Marking Of Animal-Drawn Equipment  
  (reaffirmation of ANSI/ASAE EP576.2-2012)  
  Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- **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
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<td>ASABE (American Society of Agricultural and Biological Engineers)</td>
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<td>ANSI/ASAE S358.3 MAY2012 (R2021), Moisture Measurement - Forages (reaffirmation of ANSI/ASAE S358.3 MAY2012 (R2017))</td>
<td>Public Review Date: Oct 8, 2021</td>
<td>Final Action Date: Nov 29, 2021</td>
<td>Approved</td>
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<td>ANSI/ASAE S376.3-2016 (R2020), Design, Installation and Performance of Underground, Thermoplastic Irrigation Pipes (reaffirmation of ANSI/ASAE S376.3-2016)</td>
<td>Public Review Date: Oct 2, 2020</td>
<td>Final Action Date: Nov 17, 2020</td>
<td>Approved</td>
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<td>ANSI/ASAE S390.7 (ISO 12934-2022) MONYEAR, Tractors and machinery for agriculture and forestry — Basic types — Vocabulary (identical national adoption of ISO 12934:2021 and revision of ANSI/ASAE S390.6 (ISO 12934:2013)-DEC16)</td>
<td>PINS Date: Aug 6, 2021</td>
<td>Public Review Date: Oct 1, 2021</td>
<td>Final Action Date: Jan 18, 2022</td>
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<td>ANSI/ASAE S397.4 NOV2013 (R2018), Electrical Service and Equipment for Irrigation (reaffirmation of ANSI/ASAE S397.4-NOV-2013)</td>
<td>Public Review Date: Oct 19, 2018</td>
<td>Final Action Date: Dec 31, 2018</td>
<td>Approved</td>
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<td>ANSI/ASAE S401.2-AUG93 (R2017), Guidelines for Use of Thermal Insulation in Agricultural Buildings (reaffirmation of ANSI/ASAE S401.2-AUG93 (R2012))</td>
<td>Public Review Date: Oct 6, 2017</td>
<td>Final Action Date: Nov 28, 2017</td>
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<td>ANSI/ASAE S418.1 OCT2010 (R2019), Dimensions for Cylindrical Hydraulic Couplers for Lawn and Garden Tractors (reaffirmation of ANSI/ASAE S418.1 OCT2010 (R2014))</td>
<td>Public Review Date: Nov 1, 2019</td>
<td>Final Action Date: Dec 17, 2019</td>
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<td>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))</td>
<td>Public Review Date: Nov 19, 2021</td>
<td>Final Action Date: Jan 6, 2022</td>
<td>Approved</td>
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ASABE (American Society of Agricultural and Biological Engineers)

- ANSI/ASAE S448.2-2014 (R2018), Thin-Layer Drying of Agricultural Crops (reaffirmation of ANSI/ASAE S448.2-2014)
  Public Review Date: Nov 10, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI/ASAE S459-FEB93 (R2021), Shear and Three-Point Bending Test of Animal Bone (reaffirmation of ANSI/ASAE S459-FEB93 (R2017))
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

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

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

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

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

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

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

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

- ANSI/ASAE/NFBA EP486.3-2017 (R2021), Shallow Post and Pier Foundation Design (reaffirmation and redesignation of ANSI/ASAE EP486.3-2017)
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved
ASB (ASC Z50) (American Society of Baking)
243 Reade Drive, Cogan Station, PA 17728 | w: www.asbe.org

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

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

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

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

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

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

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

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

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

- ANSI X9.100-151-2010 (S2022), Check Correction Strips (stabilized maintenance of ANSI X9.100-151-2010 (R2017))
  Public Review Date: Jul 29, 2022 | Final Action Date: Sep 23, 2022 | Approved

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

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- ANSI X9.100-170-2010 (S2022), Check Fraud Deterrent Icon (stabilized maintenance of ANSI X9.100-170-2010 (R2017))
  Public Review Date: Jul 29, 2022 | Final Action Date: Sep 22, 2022 | Approved
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- ANSI X9.100-183-2010 (S2022), Electronic Check Adjustments (stabilized maintenance of ANSI X9.100-183-2010 (R2017))
  Public Review Date: Jul 29, 2022 | Final Action Date: Sep 22, 2022 | Approved

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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

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

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  Public Review Date: Jul 29, 2022 | Final Action Date: Sep 22, 2022 | Approved

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PINS Date: Nov 16, 2018 | Public Review Date: Dec 21, 2018 | Final Action Date: Mar 19, 2019 | Approved

PINS Date: Nov 16, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 8, 2019 | Approved

Public Review Date: Oct 3, 2003 | Final Action Date: Dec 17, 2003 | Approved

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PINS Date: Apr 8, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

PINS Date: Oct 9, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: May 18, 2016 | Approved

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

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PINS Date: Feb 10, 2017 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 23, 2020 | Approved

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  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 30, 2021 | Approved

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  PINS Date: Dec 9, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Jan 14, 2021 | Approved

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

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

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

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

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

  PINS Date: 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
## Approved American National Standards

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

- **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**

- **ANSI X9.138-2020, Distributed Ledger Technologies Terminology** (new standard)
  - PINS Date: Feb 9, 2018 | Public Review Date: Aug 28, 2020 | Final Action Date: Oct 15, 2020 | **Approved**

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

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

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

  - PINS Date: Jun 25, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: May 6, 2022 | **Approved**

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

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

  - PINS Date: Mar 16, 2018 | Public Review Date: Jul 30, 2021 | Final Action Date: Sep 30, 2021 | **Approved**

- **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**

  - Public Review Date: Dec 28, 2012 | Final Action Date: Apr 15, 2013 | **Approved**

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

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  - PINS Date: Oct 22, 2021 | Public Review Date: Jun 10, 2022 | Final Action Date: Jul 26, 2022 | **Approved**

- **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**
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<td>ANSI X9.63-2011 (R2017), Key Agreement and Key Management Using Elliptic Curve-Based Cryptography (reaffirmation of ANSI X9.63-2011)</td>
<td>PINS Date: Nov 25, 2016</td>
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<td>ANSI X9.73-2017, Cryptographic Message Syntax - ASN.1 and XML (revision of ANSI X9.73-2010 (R2017))</td>
<td>PINS Date: Apr 28, 2017</td>
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<td>ANSI X9.79 - Part 4-2013, Public Key Infrastructure (PKI) – Part 4: Asymmetric Key Management (new standard)</td>
<td>PINS Date: Oct 23, 2009</td>
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<td>ANSI X9.82-2-2015, X9.82-2 Random Number Generation - Part 2: Entropy Sources (new standard)</td>
<td>PINS Date: Apr 11, 2014</td>
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<td>ANSI X9.82-4-2011 (R2017), Random Number Generation - Part 4: Random Bit Generator Constructions (reaffirmation of ANSI X9.82-4-2011)</td>
<td>PINS Date: Nov 25, 2016</td>
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<td>ANSI X9.84-2018, Biometric Information Management &amp; Security for the Financial Services Industry (revision of ANSI X9.84-2010 (R2017))</td>
<td>PINS Date: Apr 28, 2017</td>
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  PINS Date: Nov 25, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

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

- ANSI X9.98-2010 (R2017), Lattice-Based Polynomial Public Key Encryption Algorithm - Part 1: Key Establishment; Part 2: Data Encryption (reaffirmation of ANSI X9.98-2010)
  PINS Date: Nov 25, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

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

ASCA (Accredited Snow Contractors Association)

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

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

ASCE (American Society of Civil Engineers)

1801 Alexander Bell Drive, Reston, VA 20191-4400 | w: www.asce.org

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

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

  PINS Date: Nov 30, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Apr 24, 2013 | Approved

- ANSI/ASCE/EWRI 39-2015, Guidelines for Operational Hail Suppression Programs (new standard)
  PINS Date: Jan 24, 2014 | Public Review Date: Sep 26, 2014 | Final Action Date: Mar 5, 2015 | Approved

  PINS Date: Dec 4, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Nov 7, 2016 | Approved

  PINS Date: Dec 21, 2012 | Public Review Date: Feb 15, 2013 | Final Action Date: Sep 9, 2013 | Approved
**ASCE (American Society of Civil Engineers)**

  ASCE/EWRI 46 Standard Guidelines for the Installation of Urban Stormwater Systems  
  ASCE/EWRI 47 Standard Guidelines for the Operation and Maintenance of Urban Stormwater Systems  
  (new standard)  
  PINS Date: Feb 22, 2013 | Public Review Date: Sep 26, 2014 | Final Action Date: Aug 10, 2016 | Approved

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

- ANSI/ASCE/EWRI 51-2016, Standard Guideline for Calculating the Effective Saturated Hydraulic Conductivity  
  (new standard)  
  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

  (supplement to ANSI/ASCE/EWRI 56-2011)  
  PINS Date: Sep 20, 2013 | Public Review Date: Nov 29, 2013 | Final Action Date: Oct 2, 2014 | Approved

  (new standard)  
  PINS Date: Jun 20, 2008 | Public Review Date: Sep 10, 2010 | Final Action Date: Feb 3, 2011 | Approved

- ANSI/ASCE/EWRI 57-2011, Guidelines for the Physical Security of Wastewater/Stormwater Utilities  
  (new standard)  
  PINS Date: Jun 20, 2008 | Public Review Date: Sep 10, 2010 | Final Action Date: Feb 3, 2011 | Approved

  (new standard)  
  PINS Date: Feb 19, 2016 | Public Review Date: Apr 15, 2016 | Final Action Date: Oct 5, 2016 | Approved

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

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

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

  (new standard)  
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- ANSI/ASCE/SEI 25-2016, Earthquake Actuated Gas Shutoff Valves  
  (revision of ANSI/ASCE/SEI 25-2007)  
  PINS Date: Jun 28, 2013 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 2, 2016 | Approved

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

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

- ANSI/ASHRA 62.1c-2018, Ventilation for Acceptable Indoor Air Quality  
  (addenda to ANSI/ASHRAE Standard 62.1-2016)  
  Public Review Date: Sep 8, 2017 | Final Action Date: Jul 25, 2018 | Approved
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Mar 23, 2018 | Final Action Date: Jun 14, 2018 | Approved

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  Public Review Date: Jul 31, 2015 | Final Action Date: Mar 1, 2016 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Jun 14, 2018 | Approved

  Public Review Date: Jan 27, 2017 | Final Action Date: Jun 14, 2018 | Approved

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  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 14, 2018 | Approved

  Public Review Date: Mar 17, 2006 | Final Action Date: Jun 30, 2006 | Approved

  Public Review Date: Mar 17, 2006 | Final Action Date: Mar 26, 2007 | Approved

  Public Review Date: Sep 22, 2006 | Final Action Date: Mar 26, 2007 | Approved

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

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  Public Review Date: Aug 18, 2017 | Final Action Date: Mar 27, 2018 | Approved

- ANSI/ASHRAE 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)
  PINS Date: Feb 13, 2015 | Public Review Date: Dec 1, 2017 | Final Action Date: Aug 1, 2018 | Approved
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<td>Air Quality within Commercial Aircraft</td>
<td>Mar 20, 2009</td>
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  Public Review Date: Aug 17, 2018 | Final Action Date: Dec 7, 2018 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 29, 2017 | Approved

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- ANSI/ASHRAE 34a-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 18, 2016 | Final Action Date: Jun 30, 2016 | Approved

- ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 52.2a-2006, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE 52.2-1999)  
  Public Review Date: Apr 18, 2003 | Final Action Date: Jan 27, 2006 | Approved

- ANSI/ASHRAE 52.2a-2014, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)  
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- ANSI/ASHRAE 52.2b-2008, Method of Testing General Ventilation Air-Cleaning Devices for Removal by Particle Size (addenda to ANSI/ASHRAE 52.2-2007)  
  Public Review Date: Mar 16, 2007 | Final Action Date: Jul 24, 2008 | Approved

- ANSI/ASHRAE 52.2e-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)  
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- ANSI/ASHRAE 52.2f-2016, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)  
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- ANSI/ASHRAE 90.4a-2018, Energy Standard for Data Centers  (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE 90.4b-2018, Energy Standard for Data Centers  (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE Addendum f to Standard 90.4-2019, Energy Standard for Data Centers  (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE Addendum 135.1d-2010, Method of Test for Conformance to BACnet  (addenda to ANSI/ASHRAE Standard 135.1-2007)
  Public Review Date: Sep 11, 2009 | Final Action Date: Jul 1, 2010 | Approved

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The data in this document is reported as of Monday, October 3, 2022

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  (addenda to ANSI/ASHRAE Standard 62.2-2013)
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- ANSI/ASHRAE Addendum 62.2C-2019, Ventilation and Acceptable Indoor Air Quality in Residential Buildings
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- ANSI/ASHRAE Addendum 62.2d-2014, Ventilation and Acceptable Indoor Air Quality in Residential Buildings
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- ANSI/ASHRAE Addendum 90.4d-2019, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 185.2-2014, Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces (addenda to ANSI/ASHRAE Standard 185.2-2014)
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- ANSI/ASHRAE Addendum ar to Standard 135-2013, BACnet - A Data Communication Protocol for Building Automation and Control Networks  
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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

  PINS Date: Jul 22, 2011 | Public Review Date: Jul 25, 2014 | Final Action Date: Apr 1, 2015 | Approved

  PINS Date: Apr 8, 2005 | Public Review Date: Sep 10, 2010 | Final Action Date: Jul 27, 2011 | Approved

  PINS Date: Feb 13, 2015 | Public Review Date: Oct 18, 2019 | Final Action Date: Apr 17, 2020 | Approved

  PINS Date: Oct 21, 2005 | Public Review Date: Apr 12, 2013 | Final Action Date: Jun 27, 2013 | Approved

- ANSI/ASHRAE Standard 148-2022, Method of Test for Rating Indirect Evaporative Coolers (new standard)
  PINS Date: Jul 22, 2011 | Public Review Date: Aug 29, 2014 | Final Action Date: Feb 2, 2015 | Approved

  Final Action Date: Aug 23, 2001 | Approved

  PINS Date: Feb 13, 2015 | Public Review Date: Feb 18, 2022 | Final Action Date: Apr 29, 2022 | Approved

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### ANSI/ASHRAE Standards

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- ANSI/ASHRAE Standard 195-2013, Method of Test for Rating Air Terminal Unit Controls (new standard)
  PINS Date: Feb 29, 2008 | Public Review Date: Mar 15, 2013 | Final Action Date: Jun 27, 2013 | Approved

  PINS Date: Nov 14, 2008 | Public Review Date: Jun 1, 2012 | Final Action Date: Jan 30, 2013 | Approved

- ANSI/ASHRAE Standard 199-2016, Method of Testing the Performance of Industrial Pulse Cleaned Dust Collectors (new standard)
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- ANSI/ASHRAE Standard 207-2021, Laboratory Method of Test of Fault Detection and Diagnosis for Air Economizers (new standard)
  PINS Date: Jul 22, 2011 | Public Review Date: Aug 7, 2020 | Final Action Date: Feb 26, 2021 | Approved

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- ANSI/ASHRAE Standard 34aa-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
  Public Review Date: Feb 26, 2016 | Final Action Date: Jul 27, 2016 | Approved

- ANSI/ASHRAE Standard 34ae-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Standard 52.2a-2018, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
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  Public Review Date: May 6, 2011 | Final Action Date: Jun 30, 2011 | Approved

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**ASIS (ASIS International)**

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<td>ANSI/ASIS ORM.2.01-2016, Security and Resilience in Organizations and Their Supply Chains - Guidance</td>
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- ANSI/ASME A112.18.2/CSA B125.2-2020, Plumbing Waste Fittings  (revision of ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019))
  
  Public Review Date: Feb 21, 2020 | Final Action Date: Apr 23, 2020 | Approved

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

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

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

- ANSI/ASME A112.18.9-2011 (R2022), Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures  (reaffirmation of ANSI/ASME A112.18.9-2011 (R2017))
  
  Public Review Date: Feb 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

  
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- ANSI/ASME A112.3.1-2007 (R2022), Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above- and Below Ground  (reaffirmation of ANSI/ASME A112.3.1-2007 (R2017))
  Public Review Date: Mar 11, 2022 | Final Action Date: May 17, 2022 | Approved

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

- ANSI/ASME A112.36.2M-2008 (R2017), Cleanouts  (reaffirmation of ANSI/ASME A112.36.2M-2008 (R2012))
  Public Review Date: Feb 17, 2017 | Final Action Date: May 4, 2017 | Approved

- ANSI/ASME A112.36.2M/CSA B79.2-2022, Cleanouts  (revision and redesignation of ASME A112.36.2M-1991 (R2017))
  PINS Date: Jul 31, 2020 | Public Review Date: Mar 4, 2022 | Final Action Date: May 6, 2022 | Approved

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

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

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

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

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<td>Safety Code for Existing Elevators and Escalators</td>
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  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/ASME B1.25-2019, Measurement Uncertainty Factors in the Calibration of Screw Thread Gages (new standard)
  PINS Date: Sep 22, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Mar 15, 2019 | Approved

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- ANSI/ASME B1.9-1973 (R2017), Buttress Inch Screw Threads (7 deg./45 deg. Form with 0.6 Pitch Basic Height of Thread Engagement) (reaffirmation of ANSI/ASME B1.9-1973 (R2007))
  Public Review Date: Feb 17, 2017 | Final Action Date: Apr 18, 2017 | Approved

- ANSI/ASME B107.100-2020, Flat Wrenches (revision of ANSI/ASME B107.100-2010)
  PINS Date: Nov 14, 2014 | Public Review Date: Sep 6, 2019 | Final Action Date: Jan 21, 2020 | Approved

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- ANSI/ASME B107.300-2021, Torque Instruments (revision of ANSI/ASME B107.300-2010 (R2016))
  PINS Date: Jul 28, 2017 | Public Review Date: Mar 26, 2021 | Final Action Date: Jun 10, 2021 | Approved

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- ANSI/ASME B107.400-2018, Striking Tools (new standard)
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- ANSI/ASME B107.600-2016 (R2021), Screwdrivers and Screw Bits (reaffirmation of ANSI/ASME B107.600-2016)
  Public Review Date: Mar 19, 2021 | Final Action Date: Jun 4, 2021 | Approved

- ANSI/ASME B133.8-2011 (R2022), Gas Turbine Installation Sound Emissions (reaffirmation of ANSI/ASME B133.8-2011)
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- ANSI/ASME B16.3-2021, Malleable Iron Threaded Fittings Classes 150 and 300 (revision of ANSI/ASME B16.3-2016)
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- ANSI/ASME B16.33-2012 (R2017), Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 PSi (sizes NPS 1/2 through NPS 2) (reaffirmation of ANSI/ASME B16.33-2012)
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- ANSI/ASME B16.4-2021, Gray Iron Threaded Fittings Classes 125 and 250 (revision of ANSI/ASME B16.4-2016)
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- ANSI/ASME B18.1.2-1972 (R2021), Large Rivets (reaffirmation of ANSI/ASME B18.1.2-1972 (R2016))
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- ANSI/ASME B18.16.4-2008 (R2017), Serrated Hex Flange Locknuts 90,000 PSI (Inch Series) (reaffirmation of ANSI/ASME B18.16.4-2008 (R2013))  
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- ANSI/ASME B18.16M-2004 (R2021), Prevailing-Torque Type Steel Metric Hex Nuts and Hex Flange Nuts (reaffirmation of ANSI/ASME B18.16M-2004 (R2016))  
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- ANSI/ASME B18.2.1-2012 (R2021), Square, Hex, Heavy Hex, and Askew Head Bolts, and Hex, Heavy Hex, and Hex Flange, Lobed Head, and Lag Screws (Inch Series) (reaffirmation of ANSI/ASME B18.2.1-2012)  
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- ANSI/ASME B18.2.2-2022, Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series) (revision of ANSI/ASME B18.2.2-2015)  
  PINS Date: Oct 2, 2020 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 21, 2022 | Approved

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

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

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

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

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

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  Public Review Date: Jul 21, 2017 | Final Action Date: Oct 5, 2017 | Approved
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- **ANSI/ASME B18.22M-1981 (S2021)**, Metric Plain Washers  
  (stabilized maintenance of ANSI/ASME B18.22M-1981 (R2017))
  
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

  (revision of ANSI/ASME B18.24-2015)
  
  PINS Date: Jun 22, 2018 | Public Review Date: May 1, 2020 | Final Action Date: Jul 6, 2020 | Approved

- **ANSI/ASME B18.27-1998 (S2021)**, Tapered and Reduced Cross Section Retaining Rings (Inch Series)  
  (stabilized maintenance of ANSI/ASME B18.27-1998 (R2017))
  
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

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

- **ANSI/ASME B18.29.2M-2005 (S2021)**, Helical Coil Screw Thread Inserts: Free Running and Screw Locking (Metric Series)  
  (stabilized maintenance of ANSI/ASME B18.29.2M-2005 (R2017))
  
  Public Review Date: Oct 8, 2021 | Final Action Date: Jan 4, 2022 | Approved

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

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

  (Inch Series)  
  (reaffirmation of ANSI/ASME B18.31.2-2014)
  
  Public Review Date: Aug 16, 2019 | Final Action Date: Nov 12, 2019 | Approved

- **ANSI/ASME B18.31.3-2014** (R2019), Threaded Rod (Inch Series)  
  (reaffirmation of ANSI/ASME B18.31.3-2014)
  
  Public Review Date: Aug 16, 2019 | Final Action Date: Nov 12, 2019 | Approved

- **ANSI/ASME B18.31.4M-2009 (R2021)**, Threaded Rod (Metric Series)  
  (reaffirmation of ANSI/ASME B18.31.4M-2009 (R2017))
  
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

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

- **ANSI/ASME B18.5-2012** (R2017), Round Head Bolts (Inch Series)  
  (reaffirmation of ANSI/ASME B18.5-2012)
  
  Public Review Date: May 12, 2017 | Final Action Date: Jul 21, 2017 | Approved

- **ANSI/ASME B18.6.1-1981** (R2016), Wood Screws (Inch Series)  
  (reaffirmation of ANSI/ASME B18.6.1-1981 (R2008))
  
  Public Review Date: Jul 29, 2016 | Final Action Date: Oct 11, 2016 | Approved

- **ANSI/ASME B18.6.1-1981 (S2021)**, Wood Screws (Inch Series)  
  (stabilized maintenance of ANSI/ASME B18.6.1-1981 (R2016))
  
  PINS Date: Nov 11, 2016 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 14, 2021 | Approved

- **ANSI/ASME B18.6.2-2020**, Square Head Set Screws, And Slotted Headless Set Screws (Inch Series)  
  (revision of ANSI/ASME B18.6.2-1998 (R2010))
  
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- ANSI/ASME B5.48-1977 (S2018), Ball Screws (stabilized maintenance of ANSI/ASME B5.48-1977 (R2013))
  Public Review Date: Apr 6, 2018 | Final Action Date: Aug 21, 2018 | Approved

- ANSI/ASME B5.50-2015, 7/24 Taper Tool to Spindle Connection for Automatic Tool Change (revision of ANSI/ASME B5.50-2009)
  PINS Date: Nov 29, 2013 | Public Review Date: Mar 13, 2015 | Final Action Date: May 21, 2015 | Approved

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- ANSI/ASME B5.54-2010 (R2020), Methods for Performance Evaluation of Computer Numerically Controlled Machining Centers (reaffirmation of ANSI/ASME B5.54-2010 (R2015))
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- ANSI/ASME B5.57-2012 (R2022), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers (reaffirmation of ANSI/ASME B5.57-2012 (R2017))
  Public Review Date: Apr 15, 2022 | Final Action Date: Jun 23, 2022 | Approved

- ANSI/ASME B5.60-2014 (R2019), Workholding Chucks: Jaw Type Chucks (reaffirmation of ANSI/ASME B5.60-2014)
  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 28, 2019 | Approved

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- ANSI/ASME B5.62M-2016 (R2022), Hollow Taper Tooling With Flange-Face Contact (reaffirmation and redesignation of ANSI/ASME B5.62-2016)
  Public Review Date: Nov 19, 2021 | Final Action Date: Jan 21, 2022 | Approved

- ANSI/ASME B5.8-2001 (S2022), Chucks and Chuck Jaws (stabilized maintenance of ANSI/ASME B5.8-2001 (R2016))
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- ANSI/ASME B73.2-2016, Specification for Vertical In-Line Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.2-2003 (R2008))
  PINS Date: Sep 21, 2012 | Public Review Date: Aug 19, 2016 | Final Action Date: Nov 16, 2016 | Approved

- ANSI/ASME B73.3-2022, Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2015)
  Public Review Date: May 13, 2022 | Final Action Date: Jul 25, 2022 | Approved

- ANSI/ASME B89.1.10M-2001 (R2021), Dial Indicators for Linear Measurements (reaffirmation of ANSI/ASME B89.1.10M-2001 (R2016))
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- ANSI/ASME B89.1.13-2013, Micrometers (revision of ANSI/ASME B89.1.13-2001 (R2006))
  PINS Date: Mar 11, 2011 | Public Review Date: Nov 30, 2012 | Final Action Date: Feb 20, 2013 | Approved

- ANSI/ASME B89.1.14-2018, Calipers (new standard)
  PINS Date: Aug 20, 2004 | Public Review Date: Dec 8, 2017 | Final Action Date: Feb 27, 2018 | Approved

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

- ANSI/ASME B89.1.6-2002 (R2022), Measurement of Plain Internal Diameters for Use as Master Rings or Ring Gages (reaffirmation of ANSI/ASME B89.1.6-2002 (R2017))
  Public Review Date: Jun 24, 2022 | Final Action Date: Sep 1, 2022 | Approved

- ANSI/ASME B89.1.7-2009 (R2019), Performance Standard For Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2014))
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- ANSI/ASME B89.1.8-2011 (R2021), Performance Evaluation of Displacement-Measuring Laser Interferometers (reaffirmation of ANSI/ASME B89.1.8-2011 (R2016))
  Public Review Date: Mar 19, 2021 | Final Action Date: May 25, 2021 | Approved

- ANSI/ASME B89.1.9-2002 (R2012), Gage Blocks (reaffirmation of ANSI/ASME B89.1.9-2002 (R2007))
  Public Review Date: Sep 14, 2012 | Final Action Date: Nov 29, 2012 | Approved

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

- ANSI/ASME B89.4.23-2020, X-Ray Computed Tomography (Ct) Performance Evaluation Standard (new standard)
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- ANSI/ASME B89.6.2-1973 (R2017), Temperature and Humidity Environment for Dimensional Measurement (reaffirmation of ANSI/ASME B89.6.2-1973 (R2012))
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- ANSI/ASME B89.7.2-2014 (R2019), Dimensional Measurement Planning (reaffirmation of ANSI/ASME B89.7.2-2014)
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- ANSI/ASME B89.7.3.1-2001 (R2019), Guidelines For Decision Rules: Considering Measurement Uncertainty in Determining Conformance to Specifications (reaffirmation of ANSI/ASME B89.7.3.1-2001 (R2011))
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- ANSI/ASME B89.7.3.3-2002 (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)
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- ANSI/ASME B94.35-1972 (R2020), Drill Drivers, Split-sleeve, Collet Type (reaffirmation of ANSI/ASME B94.35-1972 (R2015))
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- ANSI/ASME B94.51M-2010 (S2016), Specifications for Band Saw Blades (Metal Cutting) (stabilized maintenance of ANSI/ASME B94.51M-2010 (R2015))
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  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 11, 2021 | Approved

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  Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section III-2021, Rules for Construction of Nuclear Facility Components (revision of ANSI/ASME BPVC Section III-2019)
  Public Review Date: Dec 18, 2020 | Final Action Date: Mar 15, 2021 | Approved

  Public Review Date: Dec 2, 2016 | Final Action Date: Apr 11, 2017 | Approved

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- ANSI/ASME BPVC Section IV-2021, Rules for Construction of Heating Boilers (revision of ANSI/ASME BPVC Section IV-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 16, 2021 | Approved

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- ANSI/ASME BPVC Section IX-2021, Welding, Brazing and Fusing Qualifications (revision of ANSI/ASME BPVC Section IX-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 17, 2021 | Approved

  Public Review Date: Dec 16, 2016 | Final Action Date: Apr 11, 2017 | Approved

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- ANSI/ASME BPVC Section V-2021, Nondestructive Examination (revision of ANSI/ASME BPVC Section V-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 16, 2021 | Approved

- ANSI/ASME BPVC Section VI-2017, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2015)
  Public Review Date: Dec 2, 2016 | Final Action Date: Apr 11, 2017 | Approved
ASME (American Society of Mechanical Engineers)

- ANSI/ASME BPVC Section VI-2019, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2017)
  Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section VI-2021, Recommended Rules for the Care and Operation of Heating Boilers (revision of ANSI/ASME BPVC Section VI-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 1, 2021 | Approved

- ANSI/ASME BPVC Section VII-2019, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2017)
  Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section VII-2021, Recommended Guidelines for the Care of Power Boilers (revision of ANSI/ASME BPVC Section VII-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 25, 2021 | Approved

  Public Review Date: Jan 18, 2019 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section VIII-2021, Rules for Construction of Pressure Vessels (revision of ANSI/ASME BPVC Section VIII-2019)
  Public Review Date: Mar 5, 2021 | Final Action Date: May 17, 2021 | Approved

  Public Review Date: Dec 16, 2016 | Final Action Date: Apr 11, 2017 | Approved

  Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section X-2021, Fiber-Reinforced Plastic Pressure Vessels (revision of ANSI/ASME BPVC Section X-2019)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 15, 2021 | Approved

  Public Review Date: Jan 18, 2019 | Final Action Date: Apr 25, 2019 | Approved

- 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)
  Public Review Date: Dec 25, 2020 | Final Action Date: Mar 18, 2021 | Approved

- ANSI/ASME BPVC Section XII-2017, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2015)
  Public Review Date: Dec 23, 2016 | Final Action Date: Apr 11, 2017 | Approved

- ANSI/ASME BPVC Section XII-2019, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2017)
  Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

- ANSI/ASME BPVC Section XII-2021, Rules for Construction and Continued Service of Transport Tanks (revision of ANSI/ASME BPVC Section XII-2019)
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  Public Review Date: Jul 6, 2018 | Final Action Date: Sep 20, 2018 | Approved
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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)
- Public Review Date: Mar 30, 2018 | Final Action Date: Jul 20, 2018 | Approved

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

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

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- 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

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

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

- Public Review Date: Jul 15, 2022 | Final Action Date: Sep 15, 2022 | Approved

- Public Review Date: Jun 24, 2022 | Final Action Date: Aug 18, 2022 | Approved

#### ANSI/ASME NML-1-2019, Rules for the Movement of Loads using Overhead Handling Equipment in Nuclear Facilities (new standard)
- PINS Date: Jul 2, 2010 | Public Review Date: Mar 1, 2019 | Final Action Date: Jun 5, 2019 | Approved

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

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

- Public Review Date: Apr 12, 2019 | Final Action Date: Sep 4, 2019 | Approved
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<td>Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type)</td>
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<td>Performance Test Codes - General Instructions</td>
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The data in this document is reported as of Monday, October 3, 2022

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ASME (American Society of Mechanical Engineers)

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ASME (American Society of Mechanical Engineers)

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

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

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

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

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

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

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

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

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

- ANSI/ASME VVUQ 10.2-2021, The Role of Uncertainty Quantification in Verification and Validation of Computational Solid Mechanics Models (new standard)  
  PINS Date: Oct 3, 2008 | Public Review Date: Sep 10, 2021 | Final Action Date: Dec 13, 2021 | Approved

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

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

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

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

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

- 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

  PINS Date: Apr 17, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Jan 28, 2021 | Approved

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

ASNT (American Society for Nondestructive Testing)

1711 Arlingate Lane, Columbus, OH 43228 | w: www.asnt.org

  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

  PINS Date: Mar 16, 2012 | Public Review Date: Dec 22, 2017 | Final Action Date: Mar 23, 2018 | Approved

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

ASPE (American Society of Plumbing Engineers)

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

  Public Review Date: Mar 27, 2020 | Final Action Date: May 4, 2020 | Approved

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

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

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### ASPE (American Society of Plumbing Engineers)

  - 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)

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

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

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

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


- 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

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- ASQ/ANSI/ISO 7870-4-2011, Control charts - Part 4: Cumulative sum charts (identical national adoption of ISO 7870-4:2011)
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  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)

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

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

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

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

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

  Public Review Date: Aug 4, 2017 | Final Action Date: Oct 6, 2017 | Approved

  Public Review Date: May 22, 2015 | Final Action Date: Nov 23, 2015 | Approved

- ANSI/ASSE A10.11-2016, Safety Requirements for Personnel Nets (revision of ANSI ASSE A10.11-2010)
  PINS Date: Jul 22, 2016 | Public Review Date: Aug 26, 2016 | Final Action Date: Oct 11, 2016 | Approved

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

- ANSI/ASSE A10.16-2009 (R2016), Safety Requirements for Tunnels, Shafts, and Caissons (reaffirmation of ANSI/ASSE A10.16-2009)
  PINS Date: May 6, 2016 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

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  PINS Date: Apr 3, 2009 | Public Review Date: Apr 6, 2012 | Final Action Date: Sep 12, 2012 | Approved

  PINS Date: Oct 31, 2008 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

- 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

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

- ANSI/ASSP A10.44-2020, Control of Energy Sources (Lockout/Tagout) for Construction and Demolition Operations (revision and redesignation of ANSI/ASSE A10.44-2014)
  PINS Date: Feb 8, 2019 | Public Review Date: Dec 27, 2019 | Final Action Date: Feb 13, 2020 | Approved

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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/ASSP A10.5 2013)
  PINS Date: May 23, 2014 | Public Review Date: May 15, 2020 | Final Action Date: Jul 7, 2020 | Approved

  PINS Date: Aug 11, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Jul 25, 2018 | Approved

- ANSI/ASSP A10.8-2019, Scaffolding Safety Requirements (revision and redesignation of ANSI ASSE A10.8-2011)
  PINS Date: Oct 14, 2011 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 7, 2019 | Approved

ASSP (Safety) (American Society of Safety Professionals)

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

- ANSI ASSE Z359.15-2014, Safety Requirements for Single Anchor Vertical Lifelines & Fall Arrestors for Personal Fall Arrest Systems (new standard)
  PINS Date: Jun 16, 2006 | Public Review Date: Feb 14, 2014 | Final Action Date: Aug 25, 2014 | Approved

- ANSI ASSE Z359.16-2016, Safety Requirements for Climbing Ladder Fall Arrest Systems (new standard)
  PINS Date: Aug 8, 2014 | Public Review Date: Jun 17, 2016 | Final Action Date: Nov 2, 2016 | Approved

- ANSI ASSE Z359.6-2016, Specifications and Design Requirements for Active Fall Protection Systems (revision of ANSI ASSE Z359.6-2009)
  PINS Date: Mar 7, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Dec 21, 2016 | Approved

  Public Review Date: Oct 7, 2016 | Final Action Date: Feb 17, 2017 | Approved

- ANSI/ASSE A1264.1-2017, Safety Requirements for Workplace Walking/Working Surfaces & Their Access; Workplace Floor, Wall & Roof Openings; Stairs & Guardrails Systems (revision of ANSI/ASSE A1264.1-2007)
  PINS Date: Aug 7, 2009 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 9, 2017 | Approved

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ASTM (ASTM International)

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

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

- ANSI/AIHA Z88.7-2010, Color Coding of Air-Purifying Respirator Canisters, Cartridges, and Filters (revision of ANSI Z88.7-2001)
  PINS Date: Sep 25, 2009 | Public Review Date: Oct 23, 2009 | Final Action Date: Jun 14, 2010 | Approved

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ANSI/ASTM D6300-2021, Practice for Determination of Precision and Bias Data for Use in Test Methods for Petroleum Products, Liquid Fuels, and Lubricants (revision of ANSI/ASTM D6300-2020b)
Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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ANSI/ASTM D6708-2021, Practice for Statistical Assessment and Improvement of Expected Agreement Between Two Test Methods that Purport to Measure the Same Property of a Material (revision of ANSI/ASTM D6708-2019a)
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ANSI/ASTM E2057-2010 (2015), Standard Specifications for Preparation of Laboratory Analysis Requests in Sexual Assault Investigations (new standard)
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- ANSI/ASTM E2144-2021, Practice for Personal Sampling and Analysis of Endotoxin in Metalworking Fluid Aerosols in Workplace Atmospheres (revision of ANSI/ASTM E2144-2011 (R2016))
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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- ANSI/ASTM E2154-2015a, Standard Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Solid Phase Microextraction (SPME) (new standard)
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- ANSI/ASTM E2225-2021, Standard Guide for Forensic Examination of Fabrics and Cordage (new standard)
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<td>ANSI/ASTM E2329-2017</td>
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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

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

- ANSI/ASTM E2451-2021, Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples (new standard)
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  Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved

  Public Review Date: Oct 29, 2021 | Final Action Date: Dec 13, 2021 | Approved

- ANSI/ASTM E2548-2016, Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (new standard)
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  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/ASTM E3006-2020, Practice for Ultraviolet Conditioning of Photovoltaic Modules or Mini-Modules Using a Fluorescent Ultraviolet (UV) Lamp Apparatus (revision of ANSI/ASTM E3006-2018)
  Public Review Date: Oct 4, 2019 | Final Action Date: Jan 15, 2020 | Approved

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- ANSI/ASTM E3020-2022, Practice for Ignition Sources (revision of ANSI/ASTM E3020-2016A)
  Public Review Date: Sep 3, 2021 | Final Action Date: Feb 1, 2022 | Approved

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- **ANSI/ASTM E456-2013a (R2022), Terminology Relating to Quality and Statistics**  
  (reaffirmation of ANSI/ASTM E456-2013a (R2017))  
  Public Review Date: Mar 11, 2022 | Final Action Date: Apr 26, 2022 | Approved

  (revision of ANSI/ASTM E535-2014)  
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  (new standard)  
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- **ANSI/ASTM E574-2019, Specification for Duplex, Base Metal Thermocouple Wire With Glass Fiber or Silica Fiber Insulation**  
  (revision of ANSI/ASTM E574-2017)  
  Public Review Date: Apr 5, 2019 | Final Action Date: May 21, 2019 | Approved

  (new standard)  
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  (revision of ANSI/ASTM E601-2015)  
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  (revision of ANSI/ASTM E603-2013)  
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  (revision of ANSI/ASTM E608-2017)  
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  (revision of ANSI/ASTM E648-2019)  
  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

- **ANSI/ASTM E651-2022, Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building**  
  (new standard)  
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  (revision of ANSI/ASTM E662-2021)  
  Public Review Date: Sep 4, 2020 | Final Action Date: Jun 1, 2021 | Approved

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

  (reaffirmation of ANSI/ASTM E696-2017)  
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  (revision of ANSI/ASTM E699-2009)  
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- ANSI/ASTM F1047-2017, Specification for Frying and Braising Pans, Tilting Type (new standard)
  - PINS Date: Oct 6, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

- ANSI/ASTM F1055-2016a, Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (revision of ANSI/ASTM F1055-2016)
  - Public Review Date: Oct 7, 2016 | Final Action Date: Nov 22, 2016 | Approved

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- ANSI/ASTM F1076-2020, Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube (revision of ANSI/ASTM F1076-2010 (R2015))
  - Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

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- ANSI/ASTM F1106-87 (R2018), Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head) (reaffirmation of ANSI/ASTM F1106-87 (R2012))
  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

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- ANSI/ASTM 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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- ANSI/ASTM F1321-2021, Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel (revision of ANSI/ASTM F1321-2014 (R2021))
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- ANSI/ASTM F1804-2021, Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation (revision of ANSI/ASTM F1804-2016 (R2020))
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- ANSI/ASTM F1883-2020, Practice for Selection of Wire and Cable Size in AWG or Metric Units (revision of ANSI/ASTM F1883-2003 (R2013))
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- ANSI/ASTM F2092-2014 (R2022), Specification for Convection Oven Gas or Electric (reaffirmation of ANSI/ASTM F2092-2014)
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<td>ANSI/ASTM F2176-2017</td>
<td>Specification for Mechanical Couplings Used on Polyethylene Conduit, Duct and Innerduct (new standard)</td>
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<td>ANSI/ASTM F2184-2010 (R2018)</td>
<td>Guide for Installation of Paintball Barrier Netting (reaffirmation of ANSI/ASTM F2184-2010 (R2014))</td>
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**ASTM (ASTM International)**

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

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- ANSI/ASTM F2441-2021, Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks (revision of ANSI/ASTM F2441-2012 (R2018))
  Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

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<td>Specification for Reach-in Refrigerators, Freezers, Combination Refrigerator/Freezers, and Thaw Cabinets (revision of ANSI/ASTM F2520-2005 (R2012))</td>
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<td>ANSI/ASTM F2553-2016 (R2020)</td>
<td>Specification for Warnings on Refillable CO2 Cylinders Used In the Sport of Paintball (reaffirmation of ANSI/ASTM F2553-2016)</td>
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- ANSI/ASTM F2735-2021, Specification for Plastic Insert Fittings For SDR9 Cross-linked Polyethylene (PEX) and Polyeethylene of Raised Temperature (PE-RT) Tubing  (revision of ANSI/ASTM F2735-2020)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

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

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- ANSI/ASTM F2773-2013 (R2021), Practice for Transfilling Compressed Air or Nitrogen and Safe Handling of Small Paintball Cylinders  (reaffirmation of ANSI/ASTM F2773-2013 (R2017))
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved
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  - 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

  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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- ANSI/ASTM F2880-2021, Specification for Lap-Joint Type Flange Adapters for Polyethylene Pressure Pipe in Nominal Pipe Sizes 34 in. to 65 in.  (revision of ANSI/ASTM F2880-2014)
  Public Review Date: Oct 8, 2021 | Final Action Date: Nov 23, 2021 | Approved

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  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved
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- ANSI/ASTM F2935-2012 (R2018), Specification for Chocks, Panama, Mooring Cast Steel  (reaffirmation of ANSI/ASTM F2935-2012)
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

- ANSI/ASTM F2936-2012 (R2018), Specification for Chocks, Ship Mooring, Cast Steel  (reaffirmation of ANSI/ASTM F2936-2012)
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 20, 2018 | Approved

- ANSI/ASTM F2940-2021, Practice for Air Soft Field Operation  (revision of ANSI/ASTM F2940-2013 (R2017))
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

- ANSI/ASTM F2941-2021, Practice for Air Soft Player Safety Briefing  (revision of ANSI/ASTM F2941-2013 (R2017))
  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 21, 2021 | Approved

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- ANSI/ASTM F2946-2012 (R2021), Specification for PVC Hub and Elastomeric Seal (Gasket) Tee Connection for Joining Plastic Pipe to Insitu Pipelines and Manholes  (reaffirmation of ANSI/ASTM F2946-2012 (R2017))
  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

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  Public Review Date: May 22, 2020 | Final Action Date: Dec 15, 2020 | Approved

  Public Review Date: Jan 7, 2022 | Final Action Date: Feb 22, 2022 | Approved

- ANSI/ASTM F3124-2017, Practice for Data Recording the Procedure used to Produce Heat Butt Fusion Joints in Plastic Piping Systems or Fittings (new standard)
  PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 31, 2017 | Approved

  Public Review Date: Oct 5, 2018 | Final Action Date: Mar 21, 2019 | Approved

- ANSI/ASTM F3137-2015, Headgear Used in Women’s Lacrosse (excluding goalkeepers) (new standard)
  PINS Date: Mar 2, 2012 | Public Review Date: Mar 6, 2015 | Final Action Date: Jul 1, 2015 | Approved

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

  Public Review Date: Jan 18, 2019 | Final Action Date: Jul 1, 2019 | Approved

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  - PINS Date: Mar 18, 2016 | Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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

- **ANSI/ASTM F3255-2019, Specification for Rapid pull down refrigerators (Blast Chillers), freezers (blast freezers), combination refrigerator/freezer (blast chiller/freezers), and quick chillers for commercial use** (new standard)
  - PINS Date: Nov 4, 2016 | Public Review Date: Feb 8, 2019 | Final Action Date: Mar 26, 2019 | Approved

  - PINS Date: Sep 23, 2016 | Public Review Date: Apr 7, 2017 | Final Action Date: May 23, 2017 | Approved

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

- **ANSI/ASTM F3284-2018, Guide For Recording and Reporting of Injuries and Illnesses for the Maritime Industry** (new standard)
  - PINS Date: Mar 3, 2017 | Public Review Date: Oct 6, 2017 | Final Action Date: Feb 1, 2018 | Approved

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

  - PINS Date: Oct 6, 2017 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 2, 2018 | Approved

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

- **ANSI/ASTM F3312-2018, Practice for Liquefied Natural Gas (LNG) Bunkering Hose Transfer Assembly** (new standard)
  - PINS Date: Dec 22, 2017 | Public Review Date: May 11, 2018 | Final Action Date: Jun 26, 2018 | Approved
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- ANSI/ASTM F3313-2020, Test Method for Determining Impact Attenuation of Playground Surfaces Within the Use Zone of Playground Equipment as Tested in the Field (revision of ANSI/ASTM F3313-2019)
  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 20, 2020 | Approved

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- ANSI/ASTM F3328-2018, Practice for the One-Step (Solvent Cement Only) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets (new standard)
  PINS Date: Feb 2, 2018 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 21, 2018 | Approved

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- ANSI/ASTM F3351-2020, Test Method for Playground surface impact testing in a laboratory at a specified test height (new standard)
  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

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- 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: Sep 6, 2019
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- Public Review Date: Sep 6, 2019
- Final Action Date: Oct 22, 2019 [Approved]

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#### ANSI/ASTM F3412-2020, Terminology for Treestands (new standard)
- PINS Date: Feb 1, 2019
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- Final Action Date: Feb 1, 2020 [Approved]

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#### ANSI/ASTM F3416-2021, Guide Using Fourier Transform Infrared Spectrometry to Evaluate Synthetic Surface Components (new standard)
- PINS Date: Aug 23, 2019
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#### ANSI/ASTM F3461-2020, Test Method for Permeability of Equine Surfaces (new standard)
- PINS Date: Jan 3, 2020
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- ANSI/ASTM F3506-2021, Specification for Polyethylene of Raised Temperature/Aluminum/Polyethylene of Raised Temperature (PERT/AL/PE-RT) Composite Pressure Pipe 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

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- ANSI/ASTM F3536-2022, Specification for PE and PP Mechanical Fittings for use on NPS 3 or Smaller cold-water service Polyethylene (PE) or Crosslinked Polyethylene (PEX) Pipe or Tubing (new standard)
  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

- 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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| ANSI/ASTM F683-2021, Practice for Selection and Application of Thermal Insulation for Piping and Machinery  (revision of ANSI/ASTM F683-2014)  
Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved |
| ANSI/ASTM F697-2016, Standard Practice for Care and Use of Athletic Mouth Protectors  (new standard)  
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| ANSI/ASTM F714-2022, Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter  (revision of ANSI/ASTM F714-2021A)  
Public Review Date: Apr 8, 2022 | Final Action Date: May 24, 2022 | Approved |
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# Approved American National Standards

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**ASTM (ASTM International)**

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ASTM (ASTM International)

- ANSI/ASTM/ISO/IEC 17011-2004 (R2012), Conformity Assessment - General Requirements for Accreditation bodies
  Public Review Date: Mar 23, 2012 | Final Action Date: Sep 18, 2012 | Approved

- ANSI/ASTM/ISO/IEC 17020-1998 (R2012), General criteria for the operation of various types of bodies performing inspection
  Public Review Date: Aug 3, 2012 | Final Action Date: Sep 18, 2012 | Approved

- ANSI/ASTM/ISO/IEC 17024-2005 (R2012), Conformity assessment - General requirements for bodies operating certification of persons
  PINS Date: Mar 16, 2012 | Public Review Date: Aug 3, 2012 | Final Action Date: Sep 18, 2012 | Approved

  (reaffirm a national adoption ANSI/ISO/IEC 17025-2005)
  Public Review Date: Mar 23, 2012 | Final Action Date: Sep 18, 2012 | Approved

ATCC (American Type Culture Collection)

- ANSI/ATCC ASN-0001.1-2015, Standardization of in vitro Assays to Determine Anthrax Toxin Activities
  (revision and redesignation of ANSI/ATCC ASN-0001-2009)
  PINS Date: Oct 24, 2014 | Public Review Date: Dec 12, 2014 | Final Action Date: May 19, 2015 | Approved

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

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

ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI ATIS 0100024-2009 (S2019), User Network Interface (UNI) Media Plane Security Standard for Evolving VoIP/Multimedia Networks
  (stabilized maintenance of ANSI ATIS 0100024-2009 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- 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 01000514-2009 (S2019), Network Performance Parameters and Objectives for Dedicated Digital Services – SONET Bit Rates
  (stabilized maintenance of ANSI ATIS 01000514-2009 (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
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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)
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ANSI ATIS 0300255-2008 (S2018), In-Service, Non-Intrusive Measurement Device (INMD) Methodology for Applying INMD Measurements to Customer Opinion Models  (stabilized maintenance of ANSI ATIS 0300255-2008 (R2013))
Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved

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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 0700706-1997 (S2017), Stage 1 Service Description for Personal Communications Service - Enhanced Priority Access and Channel Assignment (PACA-E) Supplementary Service  (stabilized maintenance of ANSI ATIS 0700706-1997 (R2013))
Public Review Date: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved

ANSI ATIS 0700708-1998 (S2017), PCS 1900 Service Provider Number Portability  (stabilized maintenance of ANSI ATIS 0700708-1998 (R2013))
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ATIS (Alliance for Telecommunications Industry Solutions)

- ANSI ATIS 1000114-2004 (S2019), Signaling System Number 7 (SS7) – Transaction Capabilities Application Part (TCAP) (stabilized maintenance of ANSI ATIS 1000114-2004 (R2014))
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

- ANSI ATIS 1000604-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface (reaffirmation of ANSI ATIS 1000604-2014)
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- ANSI ATIS 1000609-2014 (R2019), Interworking between the ISDN User-Network Interface Protocol and Signalling System Number 7 ISDN User Part (reaffirmation of ANSI ATIS 1000609-2014)
  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

- 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))
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- ANSI ATIS 1000611-1991 (S2018), Signaling System Number 7 (SS7) - Supplementary Services for Non-ISDN Subscribers (stabilized maintenance of ANSI ATIS 1000611-1991 (R2013))
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- ANSI ATIS 1000615-2014 (R2019), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000615-2014)
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- ANSI ATIS 1000621-2014 (R2019), ISDN - User to User Signaling Supplementary Service (reaffirmation of ANSI ATIS 1000621-2014)
  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI ATIS 1000622-1999 (S2018), Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications (stabilized maintenance of ANSI ATIS 1000622-1999 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved
### ANSI ATIS 1000622.a-1998 (S2018), Supplement to ATIS-1000622: Message Waiting Indicator Control and Notification Supplementary Services and Associated Switching and Signaling Specifications
- **Public Review Date:** Nov 24, 2017 | **Final Action Date:** Feb 27, 2018 | **Approved**

### ANSI ATIS 1000623-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for the User Signaling Bearer Service
- **Public Review Date:** Jun 21, 2019 | **Final Action Date:** Sep 9, 2019 | **Approved**

### ANSI ATIS 1000625-1993 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services
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### ANSI ATIS 1000625.a-1998 (S2018), Integrated Services Digital Network (ISDN) - Calling Line Identification Presentation and Restriction Supplementary Services
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### ANSI ATIS 1000627-2014 (R2019), Broadband ISDN - ATM Layer Functionality and Specification
- **Public Review Date:** Jun 21, 2019 | **Final Action Date:** Sep 9, 2019 | **Approved**

### ANSI ATIS 1000632-1993 (R2019), ISDN Supplementary Service Normal Call Transfer
- **Public Review Date:** Jun 21, 2019 | **Final Action Date:** Sep 9, 2019 | **Approved**

### ANSI ATIS 1000641-2014 (R2019), Calling Name Identification
- **Public Review Date:** Jun 21, 2019 | **Final Action Date:** Sep 9, 2019 | **Approved**

### ANSI ATIS 1000642-2014 (R2019), ISDN - Call Deflection Supplementary Service
- **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
- **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)
- **Public Review Date:** Nov 24, 2017 | **Final Action Date:** Feb 6, 2018 | **Approved**

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

### ANSI ATIS 1000665-1997 (S2018), Broadband ISDN - Overview of ANSI B-ISDN NNI Signaling Capability Set 2, Step 1
- **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
- **Public Review Date:** Apr 13, 2018 | **Final Action Date:** Jun 27, 2018 | **Approved**
ATIS (Alliance for Telecommunications Industry Solutions)

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

- ANSI/ATIS 0100012-2019, Standard Outage Classification (revision of ANSI ATIS 0100012-2013)
  PINS Date: Sep 8, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: Jul 15, 2019 | Approved

- ANSI/ATIS 0100017-2008 (S2018), Reduced Reference Video Calibration Estimation Method (stabilized maintenance of ANSI/ATIS 0100017-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/ATIS 0100020-2008 (S2018), Quantifying the Impact on IP Service Availability from Network Element Outages (stabilized maintenance of ANSI/ATIS 0100020-2008 (R2013))
  Public Review Date: Nov 24, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/ATIS 0100022-2008 (S2018), Priority Classification Levels for Next Generation Networks (stabilized maintenance of ANSI/ATIS 0100022-2008 (R2013))
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- ANSI/ATIS 0100524-2004 (S2018), Reliability-related Metrics and Terminology for Network Elements in Evolving Communications Networks (stabilized maintenance of ANSI/ATIS 0100524-2004 (R2013))
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- 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))
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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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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- ANSI/ATIS 0300213-2020, Structure for the Identification of Equipment Entities for Information Exchange (revision of ANSI ATIS 0300213-2014)
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- ANSI/ATIS 0300218-2019, ISDN Management - Data-Link and Network Layers (revision of ANSI ATIS 0300218-2013)
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- ANSI/ATIS 0300223-2020, Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange (revision of ANSI/ATIS 0300223-2014)
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- ANSI/ATIS 0300230-2012 (R2017), Human-to-Machine Interface Specification for Telecommunications Management (reaffirmation of ANSI/ATIS 0300230-2012)
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- ANSI/ATIS 0300234-2000 (S2015), Signalling System Number 7 (SS7) - MTP Levels 2 and 3 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300234-2000 (R2010))
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- ANSI/ATIS 0600015.11-2016 (R2021), Energy Efficiency for Telecommunication Equipment: Methodology for Measurement and Reporting DC/DC Converter Requirements  (reaffirmation of ANSI/ATIS 0600015.11-2016)
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- ANSI/ATIS 0600016-2018, Remote End POTS Splitter Requirements  (revision of ANSI ATIS 0600016-2008 (R2013))
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- ANSI/ATIS 0600026-2010 (S2020), Network End POTS Splitter Requirements  (stabilized maintenance of ANSI/ATIS 0600026-2010 (R2015))
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- ANSI/ATIS 0600029-2019, Standard for Irreversible Compression Lugs, Inline Splices, and Taps  (revision of ANSI ATIS 0600029-2013)
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- ANSI/ATIS 0600030-2021, Line-Powering of Telecommunications Equipment on Outside Plant (OSP) Copper Twisted Pair Loops  (revision of ANSI/ATIS 0600030-2016)
  PINS Date: Jun 4, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Nov 19, 2019 | Approved

- ANSI/ATIS 0600035-2018, Recommended Maintenance Routines and Frequencies for Central Office Backup Power  (new standard)
  PINS Date: May 22, 2015 | Public Review Date: Jun 1, 2018 | Final Action Date: Jul 27, 2018 | Approved

- ANSI/ATIS 0600038-2022, Intrusion Protection for Outside Plant (OSP) Enclosures  (new standard)
  PINS Date: May 25, 2018 | Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved

- ANSI/ATIS 0600039-2021, Outside Plant Enclosures and Assemblies – Fire Resistance Test  (new standard)
  PINS Date: Jan 3, 2020 | Public Review Date: Dec 18, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI/ATIS 0600041-2022, Security Requirements for Telecommunications Equipment Structures  (new standard)
  PINS Date: Apr 2, 2021 | Public Review Date: Nov 26, 2021 | Final Action Date: Jan 13, 2022 | Approved
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  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 17, 2015 | Approved

- ANSI/ATIS 0600107.a-2005 (S2015), Digital Hierarchy - Formats Specification (Virtual Concatenation and LCAS) (Supplement to ATIS-0600107) (stabilized maintenance of ANSI/ATIS 0600107a-2005 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

  PINS Date: Oct 20, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved

  PINS Date: Oct 21, 2016 | Public Review Date: Dec 2, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/ATIS 0600313-2018, Electrical Protection for Telecommunications Central Offices and Similar Type Facilities (revision of ANSI ATIS 0600313-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Dec 31, 2018 | Approved

  PINS Date: Apr 2, 2021 | Public Review Date: Jan 21, 2022 | Final Action Date: Mar 8, 2022 | Approved

  Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Jan 24, 2018 | Approved

  PINS Date: Apr 2, 2021 | Public Review Date: May 28, 2021 | Final Action Date: Jul 26, 2021 | Approved

  PINS Date: Mar 9, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Aug 28, 2020 | Approved

- ANSI/ATIS 0600320-2020, Above-Baseline Electrical Protection For Designated Information And Communications Technology (ICT) Facilities Against High-Altitude Electromagnetic Pulse (HEMP) (revision of ANSI/ATIS 0600320 -2015)
  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

  PINS Date: Oct 20, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Jan 24, 2018 | Approved
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  PINS Date: Oct 20, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Jan 24, 2018 | Approved

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

  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

- 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

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

- 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
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  (stabilized maintenance of ANSI/ATIS 0600409-2002 (R2011)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600410-2001 (S2015), Network-to-Customer Electrical Interface - Digital Data at 64 kbit/s and Subrates  
  (stabilized maintenance of ANSI/ATIS 0600410-2001 (R2011)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600411-2001 (S2015), Network-to-Customer Installation Interfaces - Analog Voicegrade Enhanced 911 Switched Access Using Network-Provided Reverse-Battery Signaling  
  (stabilized maintenance of ANSI/ATIS 0600411-2001 (R2011)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

  (stabilized maintenance of ANSI/ATIS 0600416-1999 (R2010)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

- 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

  (stabilized maintenance of ANSI/ATIS 0600416.02-1999 (R2010)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

  (stabilized maintenance of ANSI/ATIS 0600416.02a-2001 (R2010)) 
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- ANSI/ATIS 0600416.03-1999 (S2015), Network to Customer Installation Interfaces - Synchronous Optical NETwork (SONET) Physical Media Dependent Specification: Electrical  
  (stabilized maintenance of ANSI/ATIS 0600416.03-1999 (R2010)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

- ANSI/ATIS 0600416.04-2005 (S2015), Network and Customer Installation Interfaces - SONET Physical Layer Interface and Mapping Specifications for ATM Applications  
  (stabilized maintenance of ANSI/ATIS 0600416.04-2005 (R2010)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

  (stabilized maintenance of ANSI ATIS 0600417-2003 (R2012)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600418-2002 (S2015), High bit rate Digital Subscriber Line - 2nd Generation (HDSL2/HDSL4) Issue 2  
  (stabilized maintenance of ANSI/ATIS 0600418-2002 (R2011)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600418.a-2004 (S2015), High bit rate Digital Subscriber Line - 2nd Generation (HDSL2/HDSL4), Issue 2  
  (stabilized maintenance of ANSI ATIS 0600418.a-2004 (R2014)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 9, 2015 | Approved

- ANSI/ATIS 0600421-2001 (S2015), In-Line Filter for Use with Voiceband Terminal Equipment Operating on the Same Wire Pair with High Frequency (up to 12 MHz) Devices  
  (stabilized maintenance of ANSI/ATIS 0600421-2001 (R2011)) 
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 10, 2015 | Approved
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- ANSI/ATIS 1000111-2005 (S2020), Signaling System No. 7 (SS7) - Message Transfer Part (MTP) (stabilized maintenance of ANSI/ATIS 1000111-2005 (R2015))  
  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

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

- ANSI/ATIS 1000112.a-2006 (S2016), Subsystem Number Assignment Guidelines (stabilized maintenance of ANSI/ATIS 1000112.a-2006 (R2011))  
  Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

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

- ANSI/ATIS 1000116-2000 (S2020), Signaling System No. 7 (SS7) - Operations, Maintenance, and Administrative Part (OAMP) (stabilized maintenance of ANSI/ATIS 1000116-2000 (R2015))  
  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

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- 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

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

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

- 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

  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved
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  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 10, 2017 | Approved

  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

  Public Review Date: Jan 24, 2020 | Final Action Date: Jun 8, 2020 | Approved

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

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

- ANSI/ATIS 1000630.a-2002 (S2020), Network - Broadband ISDN - ATM Adoption Layer for Constant Bit Rate Services Functionality and Specification (stabilized maintenance of ANSI/ATIS 1000630.a-2002 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

- ANSI/ATIS 1000631-2005 (S2020), Signaling System No. 7 (SS7) - High Probability of Completion (HPC) Network Capability (stabilized maintenance of ANSI/ATIS 1000631-2005 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved

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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) (stabilized maintenance of ANSI/ATIS 1000638-1999 (R2015))
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 8, 2020 | Approved
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## ATSIIP (Association of Transportation Safety Information Professionals)

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## AVIXA (Audiovisual and Integrated Experience Association)

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## AWC (American Wood Council)

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

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

**AWI (Architectural Woodwork Institute)**

46179 Westlake Drive, Suite 120, Potomac Falls, VA 20165-5874 | w: www.awinet.org

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

- ANSI/AWI 0620-2018, Finish Carpenter/Installation (new standard)
  - PINS Date: Aug 21, 2017 | Public Review Date: Oct 6, 2017 | Final Action Date: Dec 5, 2017 | Approved

**AWPA (ASC O5) (American Wood Protection Association)**

P.O. Box 361784, Birmingham, AL 35236-1784 | w: www.awpa.com

  - PINS Date: Nov 2, 2018 | Public Review Date: Jun 24, 2022 | Final Action Date: Aug 18, 2022 | Approved

- ANSI O5.2-2020, Structural Glued Laminated Timber for Utility Structures (revision of ANSI O5.2-2012)
  - PINS Date: Mar 24, 2017 | Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI O5.3-2021, Solid Sawn Wood Crossarms, Braces, and Wood Ground Wire Moulding - Specifications & Dimensions (revision of ANSI O5.3-2015)
  - PINS Date: Jan 24, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Feb 26, 2021 | Approved

**AWS (American Welding Society)**

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

- ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1)
  - PINS Date: Sep 6, 2019 | Public Review Date: Dec 13, 2019 | Final Action Date: Apr 24, 2020 | Approved

  - PINS Date: Nov 20, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 30, 2016 | Approved

- ANSI/AWS A2.4-2020, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012)
  - PINS Date: May 31, 2013 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 9, 2020 | Approved
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AWS (American Welding Society)

  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

  PINS Date: Mar 27, 2015 | Public Review Date: Apr 24, 2015 | Final Action Date: Jul 17, 2015 | Approved

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

- ANSI/AWS A5.20/A5.20M-2021, Specification for Carbon Steel Electrodes for Flux Cored Arc Welding (revision of ANSI/AWS A5.20/A5.20M-2005 (R2015))
  PINS Date: Jun 5, 2020 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

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

  PINS Date: Aug 20, 2021 | Public Review Date: Jun 3, 2022 | Final Action Date: Sep 12, 2022 | Approved

  PINS Date: Apr 5, 2019 | Public Review Date: Sep 20, 2019 | Final Action Date: Apr 10, 2020 | Approved

- 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

  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
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<td>ANSI/AWS A5.5/A5.5M-2022</td>
<td>Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding</td>
<td>Feb 12, 2016</td>
<td>Jul 15, 2022</td>
<td>Sep 8, 2022</td>
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  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved

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  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

  PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-016-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-017-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-018-2021, Standard Welding Procedure Specification (SWPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E71T-8, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: May 7, 2021 | Final Action Date: Jul 22, 2021 | Approved

  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-020-2018, Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-021-2018, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved
AWS (American Welding Society)

- 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


- 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
AWS (American Welding Society)

- 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 Circuited Transfer Mode) followed by 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3 and E71T-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  - PINS Date: Aug 26, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-233-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuited 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: Apr 27, 2018 | Final Action Date: Jul 31, 2019 | Approved

  - PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

- ANSI/AWS B2.1-1-235-2020-AMD1, Standard Welding Procedure Specification (SWPS) for 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (reaffirmation and redesignation of ANSI/AWS B2.1-1-235-2019)
  - PINS Date: Mar 12, 2021 | Public Review Date: Dec 10, 2021 | Final Action Date: Feb 17, 2022 | Approved

- ANSI/AWS B2.1-1-8-006-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-006-2002)
  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 14, 2013 | Approved

- ANSI/AWS B2.1-1-8-010-2015 (R2021), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-010-2015)
  - PINS Date: Apr 30, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 3, 2021 | Approved

- ANSI/AWS B2.1-1-8-014-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel to Austenitic Stainless Steel (M-1 to M-8/P-8/S-8, Group 1), 10 through 18 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-8-014-2002)
  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-8-227-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1-8-227 -2002)
  - PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved
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<td>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)</td>
<td>PINS Date: Apr 30, 2021</td>
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- ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

- ANSI/AWS B2.1-8-005-2002 (R2013), B2.1-8-005:2002 (R20XX), Standard Welding Procedure Specification (SWPS) for Gas Metal Arc Welding (Short Circuiting Transfer Mode) of Austenitic Stainless Steel (M-8, P-8, or S-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-8-005-2002)
  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 7, 2013 | Approved

  PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

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- ANSI/AWS B2.1-8-023-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
  PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved
AWS (American Welding Society)

  PINS Date: Jan 25, 2019 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 18, 2021 | Approved

  PINS Date: Apr 1, 2011 | Public Review Date: Mar 18, 2016 | Final Action Date: Aug 5, 2016 | Approved

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

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

  PINS Date: Nov 3, 2017 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

- ANSI/AWS B4.0, AMD1-2021, Standard Methods for Mechanical Testing of Welds (revision of ANSI/AWS B4.0M-2016)
  PINS Date: Dec 16, 2016 | Public Review Date: Oct 9, 2020 | Final Action Date: Nov 30, 2020 | Approved

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  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

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  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
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  - PINS Date: Jan 1, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 1, 2017 | Approved

  - PINS Date: Sep 28, 2012 | Public Review Date: Feb 24, 2017 | Final Action Date: May 23, 2017 | Approved

  - PINS Date: Mar 25, 2016 | Public Review Date: Dec 6, 2019 | Final Action Date: Jan 31, 2020 | Approved

  - PINS Date: Apr 8, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 30, 2018 | Approved

  - Public Review Date: Jul 1, 2016 | Final Action Date: Aug 22, 2016 | Approved

- **ANSI/AWS C3.4M/C3.4-2016**, Specification for Torch Brazing (revision of ANSI/AWS C3.4M/C3.4-2007a)
  - PINS Date: Feb 15, 2013 | Public Review Date: Oct 23, 2015 | Final Action Date: Dec 15, 2015 | Approved

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

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  - PINS Date: Jun 9, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved

  - PINS Date: Nov 22, 2013 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 2, 2017 | Approved

  - PINS Date: Nov 15, 2013 | Public Review Date: Feb 24, 2017 | Final Action Date: Jun 6, 2017 | Approved

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Approved American National Standards

AWS (American Welding Society)

  PINS Date: Mar 13, 2015 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/AWS D18.2-2020, Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube (new standard)
  PINS Date: Mar 13, 2015 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

  PINS Date: Nov 8, 2013 | Public Review Date: Jul 3, 2015 | Final Action Date: Aug 20, 2015 | Approved

  PINS Date: Jun 13, 2014 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

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  PINS Date: Apr 3, 2015 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

- ANSI/AWS D8.10M-2021, Specification for Automotive Weld Quality - Laser Beam Welding of Steel (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Sep 8, 2020 | Approved

  PINS Date: Jan 30, 2015 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 18, 2017 | Approved

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  PINS Date: Jan 28, 2005 | Public Review Date: Jan 20, 2017 | Final Action Date: Mar 9, 2017 | Approved

  PINS Date: Sep 23, 2016 | Public Review Date: Jul 17, 2020 | Final Action Date: Sep 10, 2020 | Approved

  PINS Date: Sep 23, 2016 | Public Review Date: May 28, 2021 | Final Action Date: Nov 11, 2021 | Approved

  PINS Date: Mar 15, 2013 | Public Review Date: May 12, 2017 | Final Action Date: Sep 29, 2017 | Approved

- ANSI/AWS F1.1M-2017, Methods for Sampling Fumes and Gases Generated by Welding and Allied Processes (new standard)
  PINS Date: Jul 3, 2009 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 29, 2017 | Approved

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AWS (American Welding Society)

  PINS Date: May 30, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Jan 26, 2016 | Approved

  PINS Date: May 30, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Jan 26, 2016 | Approved

AWS (ASC Z49) (American Welding Society)

  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

  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
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ANSI/AWWA C104/A21.4-2016, Cement-Mortar Lining for Ductile-Iron Pipe and Fittings (revision of ANSI/AWWA C104/A21.4-2013)
PINS Date: Sep 12, 2014 | Public Review Date: Jan 1, 2016 | Final Action Date: Jun 17, 2016 | Approved

PINS Date: May 25, 2012 | Public Review Date: Jun 1, 2018 | Final Action Date: Sep 21, 2018 | Approved

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: Aug 20, 2021 | 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: May 24, 2019 | Final Action Date: Jul 19, 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 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: Sep 29, 2017 | Final Action Date: Dec 19, 2017 | Approved

PINS Date: May 3, 2013 | Public Review Date: May 26, 2017 | Final Action Date: Sep 7, 2017 | Approved

PINS Date: Sep 12, 2014 | Public Review Date: May 10, 2019 | Final Action Date: Jul 9, 2019 | Approved
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### 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

### ANSI/AWWA C227-2022, Bolted, Split-Sleeve Couplings (revision of ANSI/AWWA C227-2017)
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 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

### ANSI/AWWA C502-2018, Dry-Barrel Fire Hydrants (revision of ANSI/AWWA C502-2014)
PINS Date: Jan 29, 2016 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 21, 2018 | Approved

### ANSI/AWWA C503-2021, Wet-Barrel Fire Hydrants (revision of ANSI/AWWA C503-2018)
PINS Date: Jul 19, 2019 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 11, 2021 | Approved

### ANSI/AWWA C504-2015, Rubber-Seated Butterfly Valves (revision of ANSI/AWWA C504-2010)
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

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
# Approved American National Standards

**AWWA (American Water Works Association)**

- **ANSI/AWWA C521-2018**, Plastic Ball Valves (new standard)  
  PINS Date: Nov 19, 2004 | Public Review Date: May 18, 2018 | Final Action Date: Oct 8, 2018 | Approved

  PINS Date: Nov 16, 2018 | Public Review Date: Apr 1, 2022 | Final Action Date: May 23, 2022 | Approved

- **ANSI/AWWA C541-2016 (R2021)**, Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves (reaffirmation of ANSI/AWWA C541-2016)  
  PINS Date: Sep 1, 2017 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 16, 2021 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 16, 2021 | Approved

  PINS Date: Sep 12, 2014 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 28, 2017 | Approved

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  PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: May 25, 2012 | Public Review Date: Dec 23, 2016 | Final Action Date: Feb 14, 2017 | Approved

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

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

- **ANSI/AWWA C605-2021**, Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings (revision of ANSI/AWWA C605-2013)  
  PINS Date: Sep 12, 2014 | Public Review Date: Sep 18, 2020 | Final Action Date: Feb 5, 2021 | Approved

  PINS Date: Sep 30, 2016 | Public Review Date: Jul 15, 2022 | Final Action Date: Sep 15, 2022 | Approved

- **ANSI/AWWA C620-2019**, Spray-In-Place Polymeric Lining for Potable Water Pipelines 4 In. (100 mm) and Larger (revision of ANSI/AWWA C620-2008 (R2017))  
  PINS Date: Nov 10, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved
Approved American National Standards

AWWA (American Water Works Association)

- 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

- ANSI/AWWA C707-2010 (R2015), Encoder-Type Remote-Registration Systems for Cold-Water Meters (reaffirmation of ANSI/AWWA C707-2010)
  Public Review Date: Jul 10, 2015 | Final Action Date: Aug 31, 2015 | 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)**

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<td>ANSI/AWWA C900-2022</td>
<td>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)</td>
<td>Sep 1, 2017</td>
<td>Apr 1, 2022</td>
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<td>ANSI/AWWA C903-2021</td>
<td>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)</td>
<td>Sep 1, 2017</td>
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<td>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)</td>
<td>Sep 30, 2016</td>
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<td>ANSI/AWWA C909-2022</td>
<td>Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 mm) and Larger (revision of ANSI/AWWA C909-2015)</td>
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| 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 |
| ANSI/AWWA D102-2021, Coating Steel Water-Storage Tanks  (revision of ANSI/AWWA D102-2017)  
PINS Date: Nov 16, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 19, 2021 | Approved |
PINS Date: Jul 23, 2010 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved |
PINS Date: May 25, 2012 | Public Review Date: May 19, 2017 | Final Action Date: Aug 3, 2017 | Approved |
PINS Date: Sep 1, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 4, 2020 | Approved |
PINS Date: May 25, 2012 | Public Review Date: Nov 6, 2015 | Final Action Date: Dec 21, 2015 | Approved |
PINS Date: May 25, 2012 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 11, 2019 | Approved |
| ANSI/AWWA D110-2020, Sacrificial Anode Cathodic Protection Systems for the Interior Submerged Surfaces of Steel Water Storage 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 19, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Jan 27, 2020 | Approved |
PINS Date: May 25, 2012 | Public Review Date: Apr 12, 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 |
| ANSI/AWWA E103-2021, Horizontal Centrifugal and Vertical Line-Shaft Pumps  (revision of ANSI/AWWA E103-2015)  
PINS Date: Sep 30, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 28, 2021 | Approved |
| ANSI/AWWA E110-2022, Solids Handling Pumps For Wastewater Applications  (new standard)  
PINS Date: Feb 12, 2016 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 24, 2022 | Approved |
| ANSI/AWWA E200-2018, Progressive Cavity Chemical Metering Pumps  (new standard)  
PINS Date: Dec 26, 2014 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 14, 2018 | Approved |
- **PINS Date:** Sep 12, 2014
- **Public Review Date:** Dec 28, 2018
- **Final Action Date:** Feb 22, 2019
- **Status:** Approved

- **PINS Date:** Sep 12, 2014
- **Public Review Date:** Nov 16, 2018
- **Final Action Date:** Feb 1, 2019
- **Status:** Approved

### ANSI/AWWA F110-2022, Ultraviolet Disinfection Systems for Drinking Water (revision of ANSI/AWWA F110-2016)
- **PINS Date:** Sep 1, 2017
- **Public Review Date:** May 20, 2022
- **Final Action Date:** Aug 18, 2022
- **Status:** Approved

### ANSI/AWWA F120-2018, Ozone Systems for Water (new standard)
- **PINS Date:** Apr 16, 2004
- **Public Review Date:** Mar 16, 2018
- **Status:** Approved

### ANSI/AWWA F130-2022, Aeration Systems for Biological Wastewater Treatment (new standard)
- **PINS Date:** Apr 29, 2016
- **Public Review Date:** Jul 21, 2022
- **Status:** Approved

### ANSI/AWWA G100-2017, Water Treatment Plant Operation and Management (revision of ANSI/AWWA G100-2011)
- **PINS Date:** May 3, 2013
- **Public Review Date:** Apr 27, 2017
- **Status:** Approved

- **PINS Date:** Sep 30, 2016
- **Public Review Date:** Jul 12, 2021
- **Status:** Approved

### ANSI/AWWA G300-2022, Source Water Protection (revision of ANSI/AWWA G300-2014)
- **PINS Date:** Jan 29, 2016
- **Public Review Date:** Apr 12, 2022
- **Status:** Approved

- **PINS Date:** May 25, 2012
- **Public Review Date:** Feb 27, 2018
- **Status:** Approved

- **PINS Date:** May 25, 2012
- **Public Review Date:** Oct 5, 2018
- **Status:** Approved

- **PINS Date:** May 25, 2012
- **Public Review Date:** Mar 31, 2017
- **Status:** Approved

- **Public Review Date:** Jun 12, 2020
- **Final Action Date:** Aug 4, 2020
- **Status:** Approved

- **PINS Date:** Nov 16, 2018
- **Public Review Date:** Aug 18, 2022
- **Status:** Approved

### ANSI/AWWA G480-2020, Water Conservation and Efficiency Program Operation and Management (revision of ANSI/AWWA G480-2013)
- **PINS Date:** Sep 12, 2014
- **Public Review Date:** Aug 14, 2020
- **Status:** Approved

### 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
- **Status:** Approved

### ANSI/AWWA G485-2020, Potable Reuse Program Operation and Management (revision of ANSI/AWWA G485-2018)
- **PINS Date:** Jul 19, 2019
- **Public Review Date:** Oct 29, 2020
- **Status:** 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:** Nov 11, 2021
- **Status:** Approved
## Approved American National Standards

**AWWA (American Water Works Association)**

- 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: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved

  - PINS Date: Sep 12, 2014 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 3, 2020 | Approved

**B11 (B11 Standards, Inc.)**

- PO Box 690905, Houston, TX  77269-0905 | w: https://www.b11standards.org/

- 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
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B11 (B11 Standards, Inc.)

- 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

- ANSI B11.25-2015, Safety Requirements for Large Machines (new standard)
  PINS Date: Feb 8, 2013 | Public Review Date: Mar 6, 2015 | Final Action Date: Apr 7, 2015 | Approved

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

- ANSI B11.27-2020, Safety Requirements for Electro-Discharge Machines (new standard)
  PINS Date: Mar 3, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 8, 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 for Construction, 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

  PINS Date: Feb 27, 2015 | Public Review Date: Jun 21, 2019 | Final Action Date: Oct 11, 2019 | 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
B11 (B11 Standards, Inc.)

  PINS Date: Nov 18, 2011 | Public Review Date: Dec 30, 2011 | Final Action Date: Mar 5, 2012 | Approved

BHCOE (Behavioral Health Center of Excellence)

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

  PINS Date: May 10, 2019 | Public Review Date: Jul 3, 2020 | Final Action Date: Nov 23, 2020 | Approved

- ANSI/BHCOE 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)

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

- ANSI/BHMA A156.1-2016, Butts and Hinges (revision of ANSI/BHMA A156.1-2013)
  PINS Date: Aug 21, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 15, 2016 | Approved

- ANSI/BHMA A156.1-2021, BHMA A156.1 Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jun 1, 2021 | Approved

- 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

- ANSI/BHMA A156.12-2018, Interconnected Locks (revision of ANSI/BHMA A156.12-2013)
  PINS Date: Jan 5, 2018 | Public Review Date: Jun 22, 2018 | Final Action Date: Aug 10, 2018 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 20, 2017 | Approved

  PINS Date: Oct 14, 2016 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/BHMA A156.16-2013 (R2018), Standard for Auxiliary Hardware (reaffirmation of ANSI/BHMA A156.16-2013)
  PINS Date: Jun 22, 2018 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 5, 2018 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 23, 2019 | Approved

- ANSI/BHMA A156.18-2020, Standard For Materials and Finishes (revision of ANSI/BHMA A156.18-2016)
  PINS Date: Jun 22, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved

- ANSI/BHMA A156.19-2019, POWER ASSIST AND LOW ENERGY POWER OPERATED SWINGING DOORS (revision of ANSI/BHMA A156.19-2013)
  PINS Date: Jan 5, 2018 | Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved
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<td>Standard for Electric Strikes and Frame Mounted Actuators (revision of ANSI/BHMA A156.31-2013)</td>
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### BHMA (Builders Hardware Manufacturers Association)

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<td>Door Controls - Overhead Stops And Holders (revision of ANSI/BHMA A156.8-2015)</td>
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### BICSI (Building Industry Consulting Service International)

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### BICSI (Building Industry Consulting Service International)

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<td>ANSI/BICSI N3-2019</td>
<td>Planning and Installation Methods for the Bonding and Grounding of Telecommunication and ICT Systems and Infrastructure</td>
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### BIFMA (Business and Institutional Furniture Manufacturers Association)

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<td>ANSI/BIFMA X5.4-2020</td>
<td>Public and Lounge Seating</td>
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<td>Large Occupant Public and Lounge Seating</td>
<td>Aug 5, 2021</td>
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<td>Desk and Table Products</td>
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<td>ANSI/BIFMA X5.6-2016</td>
<td>Panel Systems</td>
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<td>ANSI/BIFMA X5.9-2019</td>
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The data in this document is reported as of Monday, October 3, 2022

### BIFMA (Business and Institutional Furniture Manufacturers Association)

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

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

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

  - PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

### BOMA (Building Owners and Managers Association)

1101 15th Street, NW, Suite 800, Washington, DC 20005 | w: www.boma.org

  - PINS Date: Jul 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Sep 12, 2017 | Approved

  - PINS Date: Sep 16, 2016 | Public Review Date: Feb 14, 2020 | Final Action Date: Mar 19, 2020 | Approved

  - PINS Date: Sep 16, 2016 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 8, 2019 | Approved

- ANSI/BOMA Z65.5-2020, BOMA 2020 for Retail Properties: Standard Method of Measurement  (new standard)
  - PINS Date: Sep 16, 2016 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  - PINS Date: Sep 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Jan 13, 2022 | Approved

### BPI (Building Performance Institute)

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

- ANSI/BPI-1100-T-2014, Home Energy Auditing Standard  (new standard)
  - PINS Date: Oct 22, 2010 | Public Review Date: Jul 11, 2014 | Final Action Date: Nov 18, 2014 | Approved

  - PINS Date: Apr 7, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | Approved

### CAGI (Compressed Air and Gas Institute)

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

  - PINS Date: May 3, 2013 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 1, 2020 | Approved

  - PINS Date: Oct 15, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Jul 1, 2013 | Approved
### CAPA (Certified Automotive Parts Association)

c/o Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI 49512 | w: www.CAPAcertified.org

  (revision of ANSI/CAPA 101-001-2017)  
  PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

  (revision of ANSI/CAPA 201-001-2011 (R2016))  
  PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | Approved

### CEMA (Conveyor Equipment Manufacturers Association)

27400 Riverview Center Blvd, Suite 2, Bonita Springs, FL 34134 | w: www.cemanet.org

- ANSI/CEMA 403-2003 (R2015), Belt Driven Live Roller Conveyors  
  (reaffirmation of ANSI/CEMA 403-2003 (R2009))  
  Public Review Date: Nov 7, 2014 | Final Action Date: Jan 28, 2015 | Approved

  (new standard)  
  PINS Date: Aug 10, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Feb 15, 2019 | Approved

- ANSI/CEMA Standard 501.1-2021, Specifications for Welded Steel Wing Pulleys  
  (revision and redesignation of ANSI/CEMA 501.1-2015)  
  PINS Date: May 8, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Aug 5, 2021 | Approved

- ANSI/CEMA Standard B105.1-2021, Specification for Welded Steel Conveyor Pulleys with Compression Type Hubs  
  (revision and redesignation of ANSI/CEMA B105.1-2015)  
  PINS Date: May 8, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Aug 5, 2021 | Approved

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

- ANSI/CEMA Standard No. 300-2021, Screw Conveyor Dimensional Standards  
  (revision and redesignation of ANSI/CEMA 300-2015)  
  PINS Date: May 8, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 26, 2021 | Approved

- ANSI/CEMA Standard No. 350-2021, Screw Conveyor for Bulk Materials  
  (revision and redesignation of ANSI/CEMA 350-2015)  
  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

- ANSI/CEMA Standard No. 402-2003 (R2020), Belt Conveyors  
  (reaffirmation and redesignation of ANSI/CEMA 402-2003 (R2015))  
  PINS Date: Nov 15, 2019 | Public Review Date: Mar 20, 2020 | Final Action Date: May 7, 2020 | Approved

- ANSI/CEMA Standard No. 403-2003 (R2015), Belt Driven Live Roller Conveyors  
  (reaffirmation and redesignation of ANSI/CEMA 403-2003 (R2015))  
  PINS Date: Nov 15, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

- ANSI/CEMA Standard No. 404-2003 (R2020), Chain Driven Live Roller Conveyors  
  (reaffirmation and redesignation of ANSI/CEMA 404-2003 (R2015))  
  PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved
CEMA (Conveyor Equipment Manufacturers Association)

- ANSI/CEMA Standard No. 405-2003 (R2020), Slat Conveyors  (reaffirmation and redesignation of ANSI/CEMA 405 -2003 (R2015))  
  PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 19, 2020 | Approved

  PINS Date: Nov 15, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Mar 17, 2020 | Approved

CGA (Compressed Gas Association)

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

- ANSI CGA G-2.1-2014, Standard Safety Requirements for the Storage and Handling of Anhydrous Ammonia (ANSI K61.1)  (new standard)  
  PINS Date: Jan 9, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Dec 12, 2014 | Approved

  Public Review Date: Feb 5, 2016 | Final Action Date: Aug 4, 2016 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Jun 12, 2020 | Final Action Date: Oct 13, 2020 | Approved

- ANSI/CGA M-1-2018, Standard for Medical Gas Supply Systems at Health Care Facilities  (new standard)  
  PINS Date: Dec 27, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 23, 2018 | Approved

  PINS Date: Dec 23, 2016 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 28, 2020 | Approved

CPA (Composite Panel Association)

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

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

- ANSI A135.5-2012 (R2020), Prefinished Hardboard Paneling  (reaffirmation of ANSI A135.5-2012)  
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.6-2012 (R2020), Engineered Wood Siding  (reaffirmation of ANSI A135.6-2012)  
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

- ANSI A135.7-2010 (R2020), Engineered Wood Trim  (reaffirmation of ANSI A135.7-2010)  
  PINS Date: Mar 9, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Mar 13, 2020 | Approved

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

- ANSI/CPA A208.1-2022, Particleboard  (revision and redesignation of ANSI A208.1-2016)  
  PINS Date: Mar 19, 2021 | Public Review Date: Apr 29, 2022 | Final Action Date: Jun 22, 2022 | Approved
CPLSO (CPLSO)
The Marchioness Building, Commercial Road, Bristol BS16TG, UK  BS1 6TG

  Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/CPLSO 17-2022, Electrical Characteristics of ECDs and CEWs.  (revision of ANSI/CPLSO-17-2017)
  Public Review Date: Mar 18, 2022 | Final Action Date: Jul 18, 2022 | Approved

- ANSI/CPLSO 18-2021, Crane Insulators - selection, use and maintenance  (new standard)
  PINS Date: Jun 4, 2021 | Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved

- ANSI/CPLSO 60335-2-76-2020, Particular requirements for electric fence energizers  (national adoption with modifications of IEC 60335-2-76 (2018))
  PINS Date: Dec 20, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jun 15, 2020 | Approved

- ANSI/CPLSO-14-2016 (R2021), Crane Insulators  (reaffirmation of ANSI/CPLSO-14-2016)
  Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved

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

  PINS Date: Jun 15, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Mar 29, 2021 | Approved

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

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

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

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  PINS Date: Aug 28, 2020 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 10, 2022 | Approved

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

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

- ANSI CSA LNG 4.1-2018, Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV)  (new standard)
  PINS Date: May 12, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Jun 8, 2018 | Approved

  PINS Date: Apr 12, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 11, 2019 | Approved
ANSI NGV 4.8/CSA 12.8-2012 (R2016), Natural gas vehicle fueling station reciprocating compressor guidelines (same as CSA 12.8) (reaffirmation of ANSI NGV 4.8/CSA 12.8-2012)
Public Review Date: Oct 7, 2016 | Final Action Date: Nov 30, 2016 | Approved

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

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ANSI Z21.103-2017, Unvented Portable Type Gas Camp Heaters for Indoor and Outdoor Use, same as BSR Z21.103 (new standard)
PINS Date: Sep 28, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: Dec 6, 2017 | Approved

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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)
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  - Public Review Date: Mar 6, 2020 | Final Action Date: May 8, 2020 | Approved

- **ANSI Z21.23-2021**, Gas Appliance Thermostats, same as CSA 6.6 (revision of ANSI Z21.23-2010 (R2020))
  - PINS Date: Jun 18, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved

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- **ANSI Z21.5.1-2017**, Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers, same as CSA 7.1-201x (revision of ANSI Z21.5.1-2016)
  - PINS Date: Aug 26, 2016 | Public Review Date: Jun 16, 2017 | Final Action Date: Aug 21, 2017 | Approved
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<td>PINS Date: Jan 5, 2018</td>
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<td>Public Review Date: May 6, 2022</td>
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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)
  Public Review Date: Sep 24, 2021 | Final Action Date: Nov 9, 2021 | Approved

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

- ANSI Z21.87-2007 (R2021) and ANSI 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 Z21.87a-2010 (R2017))
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ANSI Z21.96-2019, Portable water heaters for outdoor use, same as CSA 11.6 (revision of ANSI Z21.96-2014)
PINS Date: Jun 30, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 11, 2019 | Approved

ANSI Z21.96a-2021, Portable Water Heaters for Outdoor Use, same as CSA 11.6a (addenda to ANSI Z21.96-2019)
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ANSI Z83.11-2016/CSA 1.8-2016 (R2021), Gas Food Service Equipment, same as CSA 1.8 (reaffirmation of ANSI Z83.11-2016/CSA 1.8-2016)
Public Review Date: Nov 27, 2020 | Final Action Date: Jan 14, 2021 | Approved

ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications, same as Z83.18 (reaffirmation of ANSI Z83.18-2016)
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ANSI Z83.20-2016 (R2021), Gas-fired tubular and low-intensity infrared heaters, same as Z83.20-2016 (R202x, same as ANSI Z83.20-2016 (reaffirmation of ANSI Z83.20-2016)
Public Review Date: Oct 29, 2021 | Final Action Date: Dec 14, 2021 | Approved
CSA (CSA America Standards Inc.)

- ANSI Z83.21-2019, Z83.21 Commercial Dishwashers, same as Z83.21 (revision of ANSI Z83.21-2017)
  PINS Date: Mar 30, 2018 | Public Review Date: Aug 2, 2019 | Final Action Date: Dec 5, 2019 | Approved

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- ANSI Z83.26-2020/CSA 2.37-2020, Gas-Fired Outdoor Infrared Patio Heaters, Same as CSA 2.37 (revision and redesignation of BSR Z83.26-202x)
  PINS Date: Aug 9, 2019 | Public Review Date: Sep 4, 2020 | Final Action Date: Oct 22, 2020 | Approved

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

- ANSI Z83.7-2017, Gas-Fired Construction Heaters, same as CSA 2.14 (revision of ANSI Z83.7-2011 (R2016))
  PINS Date: Sep 9, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Nov 28, 2017 | Approved

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

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- ANSI/CHMC 2-2019, Test methods for evaluating material compatibility in compressed hydrogen applications - Polymers. (new standard)
  PINS Date: Apr 7, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Jul 29, 2019 | Approved

- ANSI/CSA 13.1-2021, Combined heat and power appliances (new standard)
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  PINS Date: Nov 15, 2013 | Public Review Date: Dec 28, 2018 | Final Action Date: Mar 12, 2019 | Approved

- ANSI/CSA B149.6-2019, Code for digester gas, landfill gas, and biogas generation and utilization (revision and redesignation of ANSI B149.6-2015)
  PINS Date: Aug 17, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Oct 15, 2019 | Approved

- ANSI/CSA C22.2 No. 184.2-2019, Solid-state controls for lighting systems (SSCLS) (new standard)
  PINS Date: Mar 22, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Mar 31, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 24, 2019 | Approved

- ANSI/CSA C22.2 No. 19085-6-2021, Woodworking machines — Safety — Part 6: Single spindle vertical moulding machines (toupies) (national adoption with modifications of ISO 19085-6)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved
CSA (CSA America Standards Inc.)

- ANSI/CSA C22.2 No. 19085-8-2021, Woodworking machines — Safety — Part 8: Belt sanding and calibrating machines for straight workpieces (national adoption with modifications of ISO 19085-8)
  PINS Date: Nov 8, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: Jan 25, 2021 | Approved

- ANSI/CSA C22.2 No. 273-2019, Cablebus (new standard)
  PINS Date: Jul 24, 2015 | Public Review Date: May 24, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/CSA C22.2 No. 298-2021, High Voltage Couplers (new standard)
  PINS Date: Mar 1, 2019 | Public Review Date: Apr 9, 2021 | Final Action Date: Jul 26, 2021 | Approved

- ANSI/CSA C22.2 No. 336-2018, Particular requirements for rechargeable battery-operated commercial robotic floor treatment machines with traction drives (new standard)
  PINS Date: Nov 11, 2016 | Public Review Date: Sep 15, 2017 | Final Action Date: Dec 4, 2017 | Approved

  PINS Date: Jan 4, 2019 | Public Review Date: Mar 1, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI/CSA C450-2018, Photovoltaic (PV) module testing protocol for quality assurance programs (new standard)
  PINS Date: May 8, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Oct 18, 2018 | Approved

  Public Review Date: Sep 7, 2018 | Final Action Date: Sep 27, 2018 | Approved

  Public Review Date: Jun 11, 2021 | Final Action Date: Aug 12, 2021 | Approved

- ANSI/CSA FC 5-2021, Hydrogen generators using fuel processing technologies - Part 1: Safety (national adoption with modifications of ISO 16110-1)
  PINS Date: Nov 6, 2009 | Public Review Date: Jan 27, 2017 | Final Action Date: Jan 6, 2021 | Approved

- ANSI/CSA FC 6-2018, Fuel cell technologies Part 2: Fuel cell modules (national adoption with modifications of IEC 62282-2-100)
  PINS Date: Oct 6, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Nov 20, 2018 | Approved

- ANSI/CSA HGV 2-2021, Compressed hydrogen gas vehicle fuel containers (revision of ANSI/CSA HGV 2-2014 (R2019))
  PINS Date: Aug 30, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 8, 2021 | Approved

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- ANSI/CSA HGV 4.2-2022, Hoses for dispensing compressed gaseous hydrogen (revision of ANSI/CSA HGV 4.2-2013 (R2019))
  PINS Date: Dec 4, 2020 | Public Review Date: Nov 26, 2021 | Final Action Date: Feb 11, 2022 | Approved
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- **ANSI/CSA LNG 3.20-2020**, LNG Fuel System Components-Part 20 flexible fuel or vent lines  (new standard)
  - PINS Date: Apr 5, 2019 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 9, 2020 | **Approved**

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  - PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | **Approved**

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  - PINS Date: Oct 1, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 25, 2022 | **Approved**
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<tr>
<td>ANSI/CSA LNG 4.2-2020/CSA LNG 4.2-2020</td>
<td>Hoses for Liquefied natural gas (LNG) dispensing systems for natural gas vehicles (NGV) (new standard)</td>
<td>PINS Date: Apr 5, 2019</td>
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<tr>
<td>ANSI/CSA LNG 4.4-2020</td>
<td>Breakaway Devices for Liquefied Natural Gas (LNG) Dispensing (new standard)</td>
<td>PINS Date: Jan 4, 2013</td>
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<tr>
<td>ANSI/CSA NGV 4.1/CSA 12.5-2018 (R2022)</td>
<td>Natural gas vehicle (NGV) dispensing systems (reaffirmation of ANSI/CSA NGV 4.1/CSA 12.5-2018)</td>
<td>Public Review Date: May 6, 2022</td>
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<td>ANSI/CSA NGV 4.2-2022</td>
<td>Hose and hose assemblies for natural gas dispensing systems (revision of ANSI/CSA NGV 4.2-2014 (R2019))</td>
<td>PINS Date: Feb 5, 2021</td>
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<td>ANSI/CSA NGV 4.3-2022</td>
<td>Temperature compensation for compressed natural gas vehicle fueling (new standard)</td>
<td>PINS Date: Mar 4, 2022</td>
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<tr>
<td>ANSI/CSA NGV 4.4-2021</td>
<td>Breakaway devices for natural gas dispensing hoses and systems (revision and redesignation of ANSI/IAS NGV 4.4/CSA 12.54-1999 (R2019))</td>
<td>PINS Date: Nov 1, 2019</td>
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<td>ANSI/CSA NGV 4.6-2020</td>
<td>Manually operated valves for natural gas dispensing systems (revision and redesignation of ANSI/IAS NGV 4.6/CSA 12.56-1999 (R2019))</td>
<td>PINS Date: Nov 1, 2019</td>
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<tr>
<td>ANSI/CSA NGV 4.7-2020</td>
<td>Automatically pressure operated valves for natural gas dispensing systems (new standard)</td>
<td>PINS Date: Nov 1, 2019</td>
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<tr>
<td>ANSI/CSA NGV 6.1-2021</td>
<td>Compressed natural gas (CNG) fuel storage and delivery systems for road vehicles (revision of ANSI/CSA NGV 6.1-2018)</td>
<td>PINS Date: Nov 1, 2019</td>
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Approved American National Standards

CSA (CSA America Standards Inc.)

  PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Jan 28, 2019 | Approved

- ANSI/CSA PRD 1-2021, Pressure relief devices for natural gas vehicle (NGV) fuel containers (addenda to ANSI/PRD 1-2020)
  PINS Date: Oct 9, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 16, 2021 | Approved

- ANSI/CSA T200-2022, Evaluation of software development and cybersecurity programs (new standard)
  PINS Date: Nov 9, 2018 | Public Review Date: Aug 6, 2021 | Final Action Date: Mar 10, 2022 | Approved

- ANSI/CSA Z21.10.3-2019, Gas Water Heaters, Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous, same as CSA 4.3 (revision and redesignation of ANSI Z21.10.3-2017)
  PINS Date: Dec 29, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Sep 23, 2019 | Approved

  PINS Date: Jan 26, 2018 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 7, 2019 | Approved

  PINS Date: May 28, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Jan 17, 2020 | Public Review Date: Jun 12, 2020 | Final Action Date: Apr 21, 2021 | Approved

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

  Public Review Date: Sep 22, 2017 | Final Action Date: Jan 12, 2018 | Approved

- ANSI/CSAI/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: Mar 31, 2022 | Approved

  PINS Date: Aug 6, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Mar 28, 2022 | Approved

- ANSI/FC 1 CSA C22.2 No. 62282-3-100-2021, Fuel cell technologies — Part 3-100: Stationary fuel cell power systems — Safety (national adoption of ISO 62282-3-100 with modifications and revision of ANSI/CSA FC-1-2014 (R2018))
  PINS Date: Dec 27, 2019 | Public Review Date: Aug 14, 2020 | Final Action Date: Feb 9, 2021 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 26, 2020 | Approved

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

- **ANSI/PRD 1-2020**, Pressure relief devices for natural gas vehicle (NGV) fuel containers  (revision of ANSI/PRD 1-2013 (R2018))
  - PINS Date: Nov 9, 2018 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 17, 2020 | Approved

### CTA (Consumer Technology Association)

   - Public Review Date: Jun 12, 2020 | Final Action Date: Sep 1, 2020 | Approved

   - PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

   - PINS Date: Jun 4, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: May 17, 2022 | Approved

   - Public Review Date: Feb 19, 2021 | Final Action Date: Apr 9, 2021 | Approved

   - 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

   - Public Review Date: Mar 25, 2022 | Final Action Date: Sep 12, 2022 | Approved

   - PINS Date: May 20, 2016 | Public Review Date: Aug 19, 2016 | Final Action Date: Oct 18, 2016 | Approved

   - PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

    - PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 5, 2019 | Approved

11. **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

    - PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

    - PINS Date: Mar 8, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 16, 2019 | Approved
CTA (Consumer Technology Association)

- 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

  PINS Date: Dec 27, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

- ANSI/CTA 2037-C-2021, Determination of Television Set Power Consumption (revision and redesignation of ANSI/CTA 2037-B-2018)
  PINS Date: Feb 26, 2021 | Public Review Date: Aug 13, 2021 | Final Action Date: Sep 30, 2021 | Approved

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

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

  PINS Date: Feb 18, 2011 | Public Review Date: Nov 24, 2017 | Final Action Date: Feb 14, 2018 | Approved

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

  PINS Date: Nov 29, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI/CTA 2045.1-2014 (R2021), Modular Communications Interface for Firmware Transfer Message Set (reaffirmation of ANSI/CTA 2045.1-2014)
  PINS Date: Nov 1, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jul 23, 2021 | Approved

- ANSI/CTA 2045.2 Amd 1-2018, MCI for Generic Display Message Set (addenda to ANSI/CTA 2045.2-2014)
  PINS Date: Nov 27, 2015 | Public Review Date: Feb 2, 2018 | Final Action Date: Jul 10, 2018 | Approved

- ANSI/CTA 2045.2-A-2022, Modular Communications Interface for Generic Display Message Set (revision of ANSI/CTA 2045.2-2014)
  PINS Date: Mar 8, 2019 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI/CTA 2045.3-2014 (R2021), Modular Communications Interface for Thermostat Message Set (reaffirmation of ANSI/CTA 2045.3-2014)
  PINS Date: Nov 1, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Jul 23, 2021 | Approved

- ANSI/CTA 2047-2014, CE Energy Usage Information (CE-EUI) (new standard)
  PINS Date: May 24, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Aug 1, 2014 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Oct 27, 2020 | Approved
<p>| ANSI/CTA 2052.1-2016, Glossary of Terms for Sleep Wearable Devices (new standard) | PINS Date: Sep 19, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 26, 2016 | Approved |
| ANSI/CTA 2065-2018, Physical Activity Monitoring for Heart Rate (new standard) | PINS Date: Jul 29, 2016 | Public Review Date: Feb 16, 2018 | Final Action Date: May 3, 2018 | Approved |
| ANSI/CTA 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 |
| ANSI/CTA 2076-2019, Inclusive, Audio-based, Network Navigation Systems for All Persons including those Blind/Low Vision (new standard) | PINS Date: Jan 5, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 14, 2019 | Approved |
| ANSI/CTA 2077-2020, Recommendations for Portable Power Charging Markings (new standard) | PINS Date: Jan 5, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 25, 2020 | Approved |</p>
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CTA (Consumer Technology Association)

  PINS Date: Feb 2, 2018 | Public Review Date: Mar 23, 2018 | Final Action Date: Jul 10, 2018 | Approved

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

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

  PINS Date: Jun 14, 2019 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 15, 2021 | Approved

  PINS Date: May 5, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Sep 15, 2017 | Approved

  PINS Date: Feb 21, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/CTA 709.4-2013 (R2019), Fiber-Optic Channel Specification (reaffirmation of ANSI/CTA 709.4-2013)
  PINS Date: Nov 16, 2018 | Public Review Date: Apr 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Feb 21, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 18, 2020 | Approved

  PINS Date: Feb 21, 2020 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: Oct 25, 2018 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 6, 2020 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 6, 2020 | Approved

- ANSI/CTA 762-B-2008 (S2020), DTV Remodulator Specification (stabilized maintenance of ANSI/CTA 762-B-2008 (R2015))
  Public Review Date: Jun 5, 2020 | Final Action Date: Jul 31, 2020 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 9, 2019 | Approved
Approved American National Standards

CTA (Consumer Technology Association)

- ANSI/CTA 774-D-2020, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-C-2014)
  PINS Date: Nov 1, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 28, 2020 | Approved

- ANSI/CTA 774-E-2022, TV Receiving Antenna Performance Presentation and Measurement (revision and redesignation of ANSI/CTA 774-D)
  PINS Date: Jun 11, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI/CTA 803-B-2012 (R2017), Mobile Electronics Wiring Designations for Audio, and Vehicle Security/Convenience (reaffirmation of ANSI/CTA 803-B-2012)
  PINS Date: Mar 10, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Jun 19, 2017 | Approved

  PINS Date: May 25, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 4, 2018 | Approved

  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

- 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)
1300 Sumner Avenue, Cleveland, OH 44115

  PINS Date: Oct 31, 2008 | Public Review Date: Jun 5, 2009 | Final Action Date: May 19, 2011 | Approved

- ANSI/DASMA 105-2017, Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors (revision of ANSI/DASMA 105-2014)
  PINS Date: Feb 24, 2017 | Public Review Date: Mar 24, 2017 | Final Action Date: Sep 7, 2017 | Approved

  PINS Date: Mar 14, 2008 | Public Review Date: Oct 31, 2008 | Final Action Date: Jun 15, 2012 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Dec 4, 2017 | Approved

  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

- ANSI/DASMA 207-2012, Standard for Rolling Sheet Doors (new standard)
  PINS Date: Jul 4, 2008 | Public Review Date: Apr 30, 2010 | Final Action Date: Jul 3, 2012 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Apr 28, 2017 | Final Action Date: Nov 21, 2017 | Approved

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

  PINS Date: Apr 12, 2019 | Public Review Date: Nov 6, 2020 | Final Action Date: May 13, 2021 | Approved

  PINS Date: Jul 26, 2019 | Public Review Date: Jul 16, 2021 | Final Action Date: Sep 30, 2021 | Approved

- ANSI/DS 2020-03-100-2022, Event Notifications via the Direct Standard™ (new standard)
  PINS Date: Jul 31, 2020 | Public Review Date: Feb 25, 2022 | Final Action Date: May 13, 2022 | Approved

DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)
3245 Latta Road, No. 16595, Rochester, NY 14616 | w: www.dmis.org

- ANSI/DMIS 105.3-2015 Part 1, Dimensional Measuring Interface Standard (DMIS Rev. 5.3) (revision of ANSI/DMIS 105.2-2009, Part 1)
  PINS Date: Oct 30, 2015 | Public Review Date: Feb 26, 2016 | Final Action Date: May 3, 2016 | Approved
## DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)

  - PINS Date: Jun 1, 2018 | Public Review Date: Aug 10, 2018 | Final Action Date: Oct 5, 2018 | Approved

## DSI (Dental Standards Institute, Inc.)

- **ANSI/DSI DCNST1.1-2020, DSI DCNST1.1:20XX Verification and Displaying of Dental Patient Chart Notes (DCN)** (new standard)
  - PINS Date: Sep 18, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 8, 2021 | Approved

- **ANSI/DSI GSST1.1-2020, DSI GSST1.1:20XX Graphic Symbols - Pictograms For Information Regarding the Healthcare Patient** (new standard)
  - PINS Date: Apr 3, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 22, 2020 | Approved

- **ANSI/DSI MST1.1-2020, DSI MST1.1:2020 Definitions Of Terms In Dental Metrics** (new standard)
  - PINS Date: Apr 3, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 24, 2020 | Approved

  - PINS Date: Apr 3, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 24, 2020 | Approved

## EASA (Electrical Apparatus Service Association)

- **ANSI/EASA AR100-2020, Recommended Practice for the Repair of Rotating Electrical Apparatus** (revision of ANSI/EASA AR100-2015)
  - PINS Date: Aug 19, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

## ECIA (Electronic Components Industry Association)

- **ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284)** (new standard)
  - PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

- **ANSI/EIA 198-2-E-2014, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part II: Test Methods** (new standard)
  - PINS Date: Nov 16, 2012 | Public Review Date: Dec 13, 2013 | Final Action Date: Apr 4, 2014 | Approved

- **ANSI/EIA 198-3-10-2022, Multilayer (Monolithic), Unencapsulated, Ceramic Dielectric, Surface-Mount Low Induction Chip Capacitors and Multi-Terminal Low Induction Capacitors** (revision of ANSI/EIA 198-3-10-2015)
  - PINS Date: Nov 5, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Aug 18, 2022 | Approved

- **ANSI/EIA 198-3-6-F-2019, Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types** (new standard)
  - PINS Date: Nov 24, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Feb 5, 2019 | Approved

- **ANSI/EIA 198-3-9-F-2019, High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount** (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 31, 2019 | Approved

- **ANSI/EIA 200-B-2018, Circular Waveguides and Flanges** (new standard)
  - PINS Date: Nov 18, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Apr 24, 2018 | Approved
Approved American National Standards

ECIA (Electronic Components Industry Association)

- ANSI/EIA 225-A-2018, Rigid coaxial transmission lines 50 OHMs (new standard)
  PINS Date: Dec 2, 2016 | Public Review Date: May 5, 2017 | Final Action Date: Apr 5, 2018 | Approved

  PINS Date: Feb 10, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Nov 1, 2017 | Approved

- ANSI/EIA 261-C-2018, Rectangular Waveguides (WR2 to WR2300) (new standard)
  PINS Date: Mar 10, 2017 | Public Review Date: Aug 4, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI/EIA 271-B-2019, Waveguide flanges - pressurizable contact types for waveguide sizes WR90 to WR2300 (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/EIA 285-A-2019, Waveguide Flanges - Dual Contact Pressurizable and Miniature Type for Waveguide Sizes WR90 to WR975 (new standard)
  PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved

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  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 (R2012), 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: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 23, 2021 | Approved

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  Public Review Date: Aug 2, 2019 | Final Action Date: Dec 19, 2019 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: May 10, 2019 | Final Action Date: Jul 31, 2019 | Approved

- 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: Apr 8, 2022 | Final Action Date: Sep 23, 2022 | Approved
**ECIA (Electronic Components Industry Association)**

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<td>ANSI/EIA 364-12A-2005 (R2022)</td>
<td>Restricted Entry Test Procedure for Electrical Connectors</td>
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<td>Approved</td>
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<tr>
<td>ANSI/EIA 364-15D-2022</td>
<td>Contact Strength Test Procedure for Electrical Connectors</td>
<td>Dec 3, 2021</td>
<td>Approved</td>
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<tr>
<td>ANSI/EIA 364-17C-2011 (R2017)</td>
<td>Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets</td>
<td>Nov 18, 2016</td>
<td>Approved</td>
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<td>ANSI/EIA 364-20F-2019</td>
<td>Dielectric Withstanding Voltage Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts</td>
<td>Mar 30, 2018</td>
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<td>ANSI/EIA 364-21F-2020</td>
<td>Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts</td>
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<td>ANSI/EIA 364-23D-2022</td>
<td>Low Level Contact Resistance Test Procedure for Electrical Connectors and Sockets</td>
<td>Aug 9, 2019</td>
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<td>ANSI/EIA 364-25E-2017</td>
<td>Probe Damage Test Procedure for Electrical Connectors</td>
<td>Sep 2, 2016</td>
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ECIA (Electronic Components Industry Association)

- ANSI/EIA 364-26-C-2014 (R2019), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved

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- ANSI/EIA 364-34-2012 (R2017), Ambient Condensation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-34-2012)
  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

  Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

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  PINS Date: Nov 8, 2019 | Public Review Date: May 1, 2020 | Final Action Date: Jul 14, 2020 | Approved

  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved
ECIA (Electronic Components Industry Association)

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-41E-2010 (R2021), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010 (R2016))
  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/EIA 364-43C-2013 (R2019), Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-43C-2013)
  Public Review Date: Apr 26, 2019 | Final Action Date: Jul 29, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

  Public Review Date: Jan 25, 2019 | Final Action Date: Apr 18, 2019 | Approved

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  PINS Date: Nov 18, 2016 | Public Review Date: Mar 24, 2017 | Final Action Date: Aug 21, 2017 | Approved

  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

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  PINS Date: Nov 8, 2019 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 2, 2020 | Approved

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

  PINS Date: Dec 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

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ECIA (Electronic Components Industry Association)

  PINS Date: Apr 26, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Sep 23, 2019 | Approved

- ANSI/EIA 364-91B-2016 (R2022), Dust Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-91B-2016)
  PINS Date: Dec 3, 2021 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

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  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 23, 2020 | Approved

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  Public Review Date: Apr 17, 2020 | Final Action Date: Jul 23, 2020 | Approved

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  PINS Date: Apr 26, 2019 | Public Review Date: May 28, 2021 | Final Action Date: Jul 29, 2021 | Approved

- ANSI/EIA 468-C-2008 (R2017), Lead Taping of Components in the Radial Configuration for Automatic Handling (reaffirmation of ANSI/EIA 468-C-2008 (R2013))
  Public Review Date: Jul 14, 2017 | Final Action Date: Oct 5, 2017 | Approved

  PINS Date: Mar 25, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Apr 25, 2017 | Approved

- ANSI/EIA 481-F-2021, 4 mm Through 200 mm Embossed Carrier Taping and 8 mm & 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling (revision and redesignation of ANSI/EIA 481-E-2015)
  PINS Date: Feb 8, 2019 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 5, 2021 | Approved
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ECIA (Electronic Components Industry Association)

  PINS Date: Jul 13, 2012 | Public Review Date: May 17, 2013 | Final Action Date: Dec 4, 2013 | Approved

- ANSI/EIA 575-C-2020, Resistors, Thick Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA 575-B-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 7, 2020 | Approved

  PINS Date: May 17, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: May 9, 2014 | Approved

- ANSI/EIA 576-C-2020, Resistors, Thin Film Rectangular SMD on Ceramic (revision and redesignation of ANSI/EIA/ECA-576-B-2014)
  PINS Date: Jun 7, 2019 | Public Review Date: Mar 27, 2020 | Final Action Date: Aug 7, 2020 | Approved

  PINS Date: Mar 24, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Sep 21, 2017 | Approved

- ANSI/EIA 60115-1 ed. 4.0-2014 (R2021), Fixed Resistors for Use in Electronic Equipment Part 1: Generic Specification (reaffirmation of ANSI/EIA 60115-1 ed. 4.0-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 6, 2021 | Approved

  PINS Date: Nov 12, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Sep 13, 2022 | Approved

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  PINS Date: Nov 12, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Sep 13, 2022 | Approved
ECIA (Electronic Components Industry Association)

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ECIA (Electronic Components Industry Association)

  Aluminum electrolytic capacitors with solid (MnO2) and non-solid electrolyte (identical national adoption of IEC 60384-4:2016 and revision of ANSI/EIA 60384-4-2014)
  PINS Date: Jan 20, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 11, 2017 | Approved

  capacitors of ceramic dielectric, Class 1 (identical national adoption of IEC 60384-8:2015 and revision of ANSI/EIA 60384-8-2014)
  PINS Date: Jan 20, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Nov 1, 2017 | Approved

  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

  Specification (reaffirmation of ANSI/EIA 60938-1-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 10, 2021 | Approved

  (identical national adoption of IEC 60938-1:2021 ED3)
  PINS Date: Nov 12, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Sep 13, 2022 | Approved

- ANSI/EIA 60938-2-1-2014 (R2021), Fixed Inductors for Electromagnetic Interference Suppression Part 2-1: Blank 
  Detail Specification Inductors for Which Safety Tests Are Required Assessment Level D (reaffirmation of ANSI/EIA 60938-2-1-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 10, 2021 | Approved

  Detail Specification Inductors for Which Safety Tests Are Required (Only) (reaffirmation of ANSI/EIA 60938-2-2-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 10, 2021 | Approved

  Specification (reaffirmation of ANSI/EIA 60938-2-2014)
  Public Review Date: Jan 1, 2021 | Final Action Date: Aug 10, 2021 | Approved

  (identical national adoption of IEC 60938-2:2021 ED3)
  PINS Date: Nov 12, 2021 | Public Review Date: Apr 15, 2022 | Final Action Date: Sep 13, 2022 | Approved

- ANSI/EIA 61014-2017, Programs for reliability growth (identical national adoption of IEC 61014:2003 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61025-2017, Fault tree analysis (FTA) (identical national adoption of IEC 61025:2006 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 17, 2018 | Approved

- ANSI/EIA 61124-2017, Reliability testing - Compliance tests for constant failure rate and constant failure intensity 
  (identical national adoption of IEC 61124:2012 Ed.3.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved
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<td>ANSI/EIA 61164-2017</td>
<td>Reliability growth - Statistical test and estimation methods (identical national adoption of IEC 61164:2004 Ed.2.0)</td>
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<td>ANSI/EIA 61649-2017</td>
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<td>ANSI/EIA 61703-2017</td>
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<td>Approved</td>
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<td>ANSI/EIA 61710-2017</td>
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<td>ANSI/EIA 62506-2017</td>
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<td>ANSI/EIA 703-B-2020</td>
<td>General Resistor Stress Test Qualification Specification (new standard)</td>
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<td>ANSI/EIA 747-C-2020</td>
<td>Adhesive backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0 mm thick (revision and redesignation of ANSI/EIA-747-B-2014)</td>
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<td>ANSI/EIA 797-2014</td>
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<td>ANSI/EIA 886-B-2020</td>
<td>Resistors, Thick Film Array on Ceramic (revision and redesignation of ANSI/EIA 886-A-2014)</td>
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<td>ANSI/EIA 948-2004 (R2017)</td>
<td>Component Tray for Automated Handling (reaffirmation of ANSI/EIA 948-2004 (R2011))</td>
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<td>ANSI/EIA 971-2014 (R2019)</td>
<td>4 mm Embossed Carrier Taping of Micro-Sized Surface Mount Components for Automatic Handling (reaffirmation of ANSI/EIA 971-2014)</td>
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<td>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)</td>
<td>Adhesive Backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0mm thick (new standard)</td>
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**EIMA (EIFS Industry Members Association)**

513 West Broad Street, Suite 210, Falls Church, VA 22046 | w: www.eima.com


**EMAP (Emergency Management Accreditation Program)**

201 Park Washington Court, Falls Church, VA 22046-4527 | w: www.emap.org

### Approved American National Standards

EOS/ESD (ESD Association, Inc.)

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

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## Approved American National Standards

**EOS/ESD (ESD Association, Inc.)**

- 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

  - Public Review Date: Feb 26, 2016 | Final Action Date: May 3, 2016 | Approved

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  - PINS Date: Jul 30, 2010 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 15, 2020 | Approved

  - PINS Date: Jan 6, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Apr 25, 2018 | Approved

- 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)
  - PINS Date: Apr 14, 2017 | Public Review Date: Aug 28, 2020 | Final Action Date: Dec 7, 2020 | Approved

  - PINS Date: Nov 24, 2017 | Public Review Date: Dec 28, 2018 | Final Action Date: Feb 22, 2019 | Approved

  - PINS Date: Jan 30, 2015 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 19, 2017 | Approved

  - PINS Date: Dec 3, 2010 | Public Review Date: May 18, 2012 | Final Action Date: Jul 29, 2013 | Approved

- ANSI/ESD SP5.3.3-2018, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing – Charged Device Model (CDM) Testing – Component Level – Low-Impedance Contact CDM as an Alternative CDM Characterization Method (new standard)
  - PINS Date: Sep 22, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 22, 2019 | Approved

  - PINS Date: Nov 24, 2017 | Public Review Date: Feb 25, 2022 | Final Action Date: Aug 18, 2022 | Approved
Approved American National Standards

EOS/ESD (ESD Association, Inc.)

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  PINS Date: Aug 2, 2019 | Public Review Date: Jul 9, 2021 | Final Action Date: Oct 28, 2021 | Approved

  PINS Date: Nov 25, 2016 | Public Review Date: Aug 17, 2018 | Final Action Date: Dec 17, 2018 | Approved

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  Public Review Date: May 4, 2018 | Final Action Date: Jun 27, 2018 | Approved

  PINS Date: Apr 8, 2011 | Public Review Date: Nov 14, 2014 | Final Action Date: Nov 19, 2015 | Approved

  PINS Date: Jun 3, 2011 | Public Review Date: Oct 27, 2017 | Final Action Date: Feb 27, 2018 | Approved

  PINS Date: Mar 11, 2011 | Public Review Date: May 18, 2012 | Final Action Date: Jul 29, 2013 | Approved

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  PINS Date: Mar 16, 2018 | Public Review Date: Aug 28, 2020 | Final Action Date: Jan 7, 2021 | Approved
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**EOS/ESD (ESD Association, Inc.)**

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- ANSI/ESD STM97.2-2016, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear/Flooring System - Voltage Measurement in Combination with a Person (new standard)
  PINS Date: Mar 11, 2011 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 17, 2016 | Approved

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**ESTA (Entertainment Services and Technology Association)**

271 Cadman Plaza, P.O. Box 23200, Brooklyn, NY 11202-3200 | w: www.esta.org

  Public Review Date: Feb 23, 2018 | Final Action Date: May 31, 2018 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Aug 11, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI E1.15-2006 (R2021), Entertainment Technology--Recommended Practices and Guidelines for the Assembly and Use of Theatrical Boom & Base Assemblies (reaffirmation of ANSI E1.15-2006 (R2016))
  Public Review Date: Oct 20, 2020 | Final Action Date: Mar 8, 2021 | Approved

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  PINS Date: Apr 24, 2020 | Public Review Date: Mar 5, 2021 | Final Action Date: Oct 15, 2021 | Approved

- ANSI E1.2-2021, Entertainment Technology - Design, Manufacture and Use of Aluminum Trusses and Towers (revision of ANSI E1.2-2012)
  PINS Date: Aug 11, 2017 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

  PINS Date: May 7, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Apr 25, 2022 | Approved

- ANSI E1.24-2012 (R2021), EntertainmentTechnology—DimensionalRequirementsfor StagePinConnectors (reaffirmation of ANSI E1.24-2012 (R2017))
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved
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<td>ANSI E1.35-2013 (R2018)</td>
<td>Lens Quality Measurements for Pattern Projecting Luminaires Intended for Entertainment Use (reaffirmation of ANSI E1.35-2013)</td>
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<td>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>
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<td>ANSI E1.37-7-2019, Additional Message Sets for ANSI E1.20 (RDM) - Gateway &amp; Splitter Messages (new standard)</td>
<td>PINS Date: Feb 14, 2014</td>
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<td>ANSI E1.4-3-2020, Entertainment Technology—Manually Operated Hoist Rigging Systems (revision and partition of ANSI E1.4-2014)</td>
<td>PINS Date: Feb 14, 2014</td>
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<td>ANSI E1.40-2016 (R2021), Recommendations for the Planning of Theatrical Dust Effects (reaffirmation of ANSI E1.40-2016)</td>
<td>Public Review Date: May 7, 2021</td>
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<tr>
<td>ANSI E1.41-2016, 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>
</tr>
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</table>
Approved American National Standards

ESTA (Entertainment Services and Technology Association)

  PINS Date: Jun 16, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.43-2016, Entertainment Technology - Performer Flying Systems (new standard)
  PINS Date: Apr 1, 2011 | Public Review Date: Aug 14, 2015 | Final Action Date: Feb 12, 2016 | Approved

  Public Review Date: Mar 8, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI E1.46-2018, Standard for the Prevention of Falls from Theatrical Stages and Raised Performance Platforms (revision of ANSI E1.46-2016)
  PINS Date: Mar 31, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI E1.48-2014 (R2019), A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (reaffirmation of ANSI E1.48-2014)
  Public Review Date: Nov 2, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI E1.5-2009 (R2018), Theatrical Fog Made with Aqueous Solutions of Di- and Trihydric Alcohols (reaffirmation of ANSI E1.5-2009 (R2014))
  Public Review Date: Aug 10, 2018 | Final Action Date: Nov 29, 2018 | Approved

  PINS Date: Jan 31, 2014 | Public Review Date: Nov 25, 2016 | Final Action Date: Aug 14, 2017 | Approved

  PINS Date: Jan 24, 2014 | Public Review Date: Dec 1, 2017 | Final Action Date: Nov 7, 2018 | Approved

- ANSI E1.54-2021, ESTA Standard for Color Communication in Entertainment Lighting (revision of ANSI E1.54-2015)
  PINS Date: Aug 11, 2017 | Public Review Date: May 29, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI E1.55-2016 (R2021), Standard for Theatrical Makeup Mirror Lighting (reaffirmation of ANSI E1.55-2016)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI E1.56-2018, Entertainment Technology Rigging Support Points (new standard)
  PINS Date: Aug 15, 2014 | Public Review Date: Feb 23, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.57-2016 (R2021), Recommendations to prevent falls on or off movable parade floats, movable stages, and similar moving platforms (reaffirmation of ANSI E1.57-2016)
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- ANSI E1.59-2021, Entertainment Technology - Object Transform Protocol (OTP) (new standard)
  PINS Date: Aug 12, 2016 | Public Review Date: Aug 28, 2020 | Final Action Date: Jan 19, 2021 | Approved

- ANSI E1.6-1-2021, Entertainment Technology - Powered Hoist Systems (revision of ANSI E1.6-1-2019)
  PINS Date: Feb 14, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Jan 26, 2021 | Approved
### ESTA (Entertainment Services and Technology Association)

  PINS Date: May 11, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Aug 14, 2020 | Approved

- **ANSI E1.6-4-2013**, Portable Control of Fixed-Speed Electric Chain Hoists in the Entertainment Industry  (new standard)
  PINS Date: Aug 29, 1997 | Public Review Date: May 24, 2013 | Final Action Date: Oct 3, 2013 | Approved

- **ANSI E1.60-2018**, Guidelines for the Use of Raked Stages in Live Performance Environments  (new standard)
  PINS Date: Dec 30, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Dec 8, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Jan 19, 2021 | Approved

  PINS Date: Mar 22, 2019 | Public Review Date: Oct 30, 2020 | Final Action Date: May 6, 2021 | Approved

- **ANSI E1.8-2018**, Entertainment TechnologyLoudspeaker Enclosures Intended for Overhead SuspensionClassification, Manufacture and Structural Testing  (revision of ANSI E1.8-2012)
  PINS Date: Aug 11, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Nov 29, 2018 | Approved

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- **ANSI ES1.4-2021**, Event Safety - Fire Safety Requirements  (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: May 14, 2021 | Final Action Date: Oct 8, 2021 | Approved

- **ANSI ES1.7-2021**, Event Safety Requirements - Weather Preparedness  (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Aug 7, 2020 | Final Action Date: Mar 8, 2021 | Approved

- **ANSI ES1.9-2020**, Event Safety Requirements – Crowd Management  (new standard)
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- **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
ESTA (Entertainment Services and Technology Association)

- 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

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- ANSI/ESTA E1.69-2022, Reporting the Dimming Performance of Entertainment Luminaires Using LED Sources  (new standard)
  PINS Date: Nov 8, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Apr 25, 2022 | Approved

FCI (Fluid Controls Institute)

1300 Sumner Avenue, Cleveland, OH  44115 | w: www.fluidcontrolsinstitute.org

  PINS Date: Apr 9, 2021 | Public Review Date: Jun 4, 2021 | Final Action Date: Jun 6, 2022 | Approved

  PINS Date: Jun 5, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 16, 2020 | Approved

- ANSI/FCI 18-1-2021, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers  (new standard)
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- ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers  (new standard)
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- ANSI/FCI 19-1-2021, Standard for Sizing & Selection of Type 2 Secondary Pressure Drainers  (new standard)
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- ANSI/FCI 19-2-2022, Standard for Installation of Type 2 Secondary Pressure Drainers  (new standard)
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- ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method  (reaffirmation of ANSI/FCI 4-1-2014)
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- ANSI/FCI 70-2-2021, Control Valve Seat Leakage Testing  (revision of ANSI/FCI 70-2-2013)
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- ANSI/FCI 70-3-2021, Standard for Regulator Seat Leakage Testing  (revision of ANSI/FCI 70-3-2016)
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- ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators  (revision of ANSI/FCI 79-1-2016)
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- ANSI/FCI 87-1-2017, Classification and Operating Principles of Steam Traps  (revision of ANSI/FCI 87-1-2009)
  PINS Date: Aug 1, 2014 | Public Review Date: May 20, 2016 | Final Action Date: May 11, 2017 | Approved
### FCI (Fluid Controls Institute)

- **ANSI/FCI 91-1-2020**, Standard for Qualification of Control Valve Stem Seals  (new standard)
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  - PINS Date: Mar 3, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Mar 18, 2021 | **Approved**

### FM (FM Approvals)

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- **ANSI/FM 4476-2014 (R2022)**, Flexible Photovoltaic Modules  (reaffirmation of ANSI/FM 4476-2014)
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- ANSI/FM 4920-2014, Testing Filters Used in Clean Room Facilities (new standard)
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  (reaffirmation of ANSI/FM 4950-2007)
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- ANSI/FM 4996-2019, Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets
  (revision of ANSI/FM 4996-2013)
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  (reaffirmation of ANSI/FMRC FM 3260-2004)
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GBI (Green Building Initiative)

7805 S.W. 40th #80010, Portland, OR 97280 | w: www.thegbi.org

  PINS Date: Aug 7, 2015 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 24, 2019 | Approved

  (revision of ANSI/GBI 01-2019)
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GISC (ASC Z97) (Glazing Industry Secretariat Committee)

730 Worcester Street, Springfield, MA 01151 | w: www.ansiz97.com

- ANSI Z97.1-2015 (R2020), Safety Glazing Materials used in Buildings - Safety Performance Specifications and
  Methods of Test (reaffirmation of ANSI Z97.1-2015)
  Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

GTESS (Georgia Institute of Technology Energy & Sustainability Services)

75 Fifth Street N.W, Suite 3001, Atlanta, GA 30332-0640 | w: www.innovate.gatech.edu

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

- ANSI/MSE 50028-2-2019, Superior Energy Performance(R) 50001 Program - Requirements for verification bodies for
  use in accreditation or other forms of recognition (revision and redesignation of ANSI/MSE 50028-2016)
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GTessel (Georgia Institute of Technology Energy & Sustainability Services)

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HFES (Human Factors & Ergonomics Society)

- ANSI/HFES 400-2021, Human Readiness Level Scale in the System Development Process (new standard)
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HI (Hydraulic Institute)

- ANSI/HI 1.1-1.2-2014, Rotodynamic Centrifugal Pumps for Nomenclature & Definitions (revision of ANSI/HI 1.1-1.2-2008)
PINS Date: Sep 28, 2012 | Public Review Date: Jan 31, 2014 | Final Action Date: Oct 30, 2014 | Approved

- ANSI/HI 1.3-2013, Rotodynamic Centrifugal Pumps for Design and Application (revision of ANSI/HI 1.3-2009)
PINS Date: Apr 22, 2011 | Public Review Date: Jun 7, 2013 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 1.4-2014, Rotodynamic Centrifugal Pumps for Manuals Describing Installation, Operation, and Maintenance (revision of ANSI/HI 1.4-2010)
PINS Date: Sep 28, 2012 | Public Review Date: May 3, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/HI 10.1-10.5-2021, Air-operated Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 10.1-10.5-2010 (R2016))
PINS Date: Jan 3, 2020 | Public Review Date: May 14, 2021 | Final Action Date: Jul 19, 2021 | Approved

- ANSI/HI 10.6-2021, Air-Operated Pump Tests (revision of ANSI/HI 10.6-2010 (R2016))
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- ANSI/HI 11.6-2022, Rotodynamic Submersible Pumps for Mechanical and Electrical Acceptance Tests (revision of ANSI/HI 11.6-2017)
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- ANSI/HI 12.1-12.6-2021, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation (revision of ANSI/HI 12.1-12.6-2016)
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- ANSI/HI 14.3-2019, Rotodynamic Pumps for Design and Application (new standard)
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- ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance (new standard)
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- ANSI/HI 14.6-2022, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests (revision of ANSI/HI 14.6-2016)
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HI (Hydraulic Institute)

- ANSI/HI 2.3-2013, Rotodynamic (Vertical) Pumps of Radial, Mixed, and Axial Flow Types for Design and Application (revision of ANSI/HI 2.3-2008)
  PINS Date: Apr 22, 2011 | Public Review Date: Jun 8, 2012 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 2.4-2014, Rotodynamic Vertical Pumps for Installation, Operation and Maintenance (revision of ANSI/HI 2.4-2008)
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- ANSI/HI 3.1-3.5-2021, Rotary Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 3.1-3.5-2015)
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- ANSI/HI 3.6-2022, Rotary Pump Tests (revision of ANSI/HI 3.6-2016)
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- ANSI/HI 4.1-4.6-2017, Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test (revision of ANSI/HI 4.1-4.6-2010)
  PINS Date: Jun 26, 2015 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

- ANSI/HI 5.1-5.6-2016 (R2021), Sealless Rotodynamic Pumps for Nomenclature, Definitions, Design, Application, Operation, and Test (reaffirmation of ANSI/HI 5.1-5.6-2016)
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- ANSI/HI 7.6-2018, Controlled Volume Metering Pumps - Test (revision of ANSI/HI 7.6-2012)
  PINS Date: Mar 25, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jun 29, 2018 | Approved

- ANSI/HI 7.8-2021, HI-7.8 Controlled Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2016)
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- ANSI/HI 9.6.3-2017, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2012)
  PINS Date: Apr 11, 2014 | Public Review Date: May 20, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/HI 9.6.4-2022, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2016)
  PINS Date: May 24, 2019 | Public Review Date: Mar 4, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/HI 9.6.5-2016, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5-2009)
  PINS Date: Dec 20, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Jul 21, 2016 | Approved

- ANSI/HI 9.6.6-2022, Rotodynamic Pumps for Pump Piping (revision of ANSI/HI 9.6.6-2016)
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HI (Hydraulic Institute)

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- ANSI/HI 9.6.8-2014 (R2021), Rotodynamic Pumps - Guideline for Dynamics of Pumping Machinery (reaffirmation of ANSI/HI 9.6.8-2014)
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- ANSI/HI 9.8-2018, Rotodynamic Pumps for Pump Intake Design (revision of ANSI/HI 9.8-2012)
  PINS Date: Dec 20, 2013 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 8, 2018 | Approved

HIBCC (Health Industry Business Communications Council)

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HL7 (Health Level Seven)

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HL7 (Health Level Seven)

- ANSI/HL7 EHR BHFP, R1-2008 (R2019), HL7 EHR Behavioral Health Functional Profile, Release 1 (reaffirmation of ANSI/HL7 EHR BHFP, R1-2008 (R2014))
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- ANSI/HL7 EHR CHFP, R1-2008 (R2019), HL7 EHR Child Health Functional Profile, Release 1 (reaffirmation of ANSI/HL7 EHR CHFP, R1-2008 (R2014))
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  Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | Approved

- 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))
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- ANSI/HL7 EHR, R2.1-2020, HL7 Electronic Health Record System Functional Model, Release 2.1 (revision and redesignation of ANSI/HL7 EHR, R2-2014)
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- ANSI/HL7 EHRXPROVFP, R1-2012 (R2022), HL7 EHR-System Pharmacist/Pharmacy Provider Functional Profile, Release 1 - US Realm (reaffirmation of ANSI/HL7 EHRXPROVFP, R1-2012 (R2017))
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- ANSI/HL7 EHRS FM FP ENCPRS, R2-2020, HL7 EHR-System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 2 (new standard)
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- 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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| ANSI/HL7 IMTRANS, R2-2016 (R2022), HL7 Version 3 Standard: Transmission Infrastructure, Release 2  
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| ANSI/HL7 NMN R1-2020, HL7 Cross-Paradigm Specification: FHIRPath, Release 1  
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| ANSI/HL7 PHRSFM, R2-2021, HL7 EHR-S-FM Release 2: Personal Health Record System Functional Model, Release 2  
(revision and redesignation of ANSI/HL7 PHRSFM, R1-2014)  
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| ANSI/HL7 PRIVECLASSSYS, R1-2014 (R2019), HL7 Healthcare Privacy and Security Classification System, Release 1  
(reeaffirmation of ANSI/HL7 PRIVECLASSSYS, R1-2014)  
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| ANSI/HL7 PSIM, R1-2021, HL7 Privacy and Security Logical Data Model, Release 1  
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| ANSI/HL7 RLUS, R1-2013 (R2019), HL7 Version 3 Standard: Retrieve, Locate, and Update Service (RLUS), Release 1  
(reeaffirmation of ANSI/HL7 RLUS, R1-2013)  
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(reeaffirmation of ANSI/HL7 SAIF CANON, R2-2014)  
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| ANSI/HL7 TEMPLATES, R1-2018, HL7 Templates Standard: Specification and Use of Reusable Information Constraint Templates, Release 1  
(new standard)  
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| ANSI/HL7 V2 Conformance, R1-2020, HL7 Version 2 Specification: Conformance, Release 1  
(revision and partition of ANSI/HL7 V2.9-2019)  
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| ANSI/HL7 V2 XML, R2-2012 (R2017), HL7 Version 2: XML Encoding Rules, R2  
(reaffirmation of ANSI/HL7 V2 XML, R2-2012)  
Public Review Date: Oct 27, 2017 | Final Action Date: Dec 14, 2017 | Approved |
(revision and redesignation of ANSI/HL7 V2.8.2-2015)  
PINS Date: Apr 15, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 9, 2019 | Approved |
| ANSI/HL7 V26 IG CCHD, R1-2020, HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1  
(new standard)  
PINS Date: Jul 6, 2018 | Public Review Date: May 22, 2020 | Final Action Date: Aug 3, 2020 | Approved |
| ANSI/HL7 V26 IG EHDI, R1-2020, HL7 Version 2.6 Implementation Guide: Early Hearing Detection and Intervention (EHDI), Release 1  
(new standard)  
PINS Date: Jul 6, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 1, 2020 | Approved |
| ANSI/HL7 V3 CGPED, R1-2007 (R2017), HL7 Version 3 Standard: Clinical Genomics; Pedigree, Release 1  
(reaffirmation of ANSI/HL7 V3 CGPED, R1-2007 (R2012))  
PINS Date: Mar 31, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 24, 2017 | Approved |
| ANSI/HL7 V3 COMT, R3-2010 (R2020), HL7 Version 3 Standard: Shared Messages, Release 3  
(reaffirmation of ANSI/HL7 V3 COMT, R3-2010 (R2015))  
Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved |
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  PINS Date: Jul 29, 2016 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 27, 2018 | Approved

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

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

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  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved

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HL7 (Health Level Seven)

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

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  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

- ANSI/HL7 V3 LBRESULT, R1-2009 (R2020), HL7 Version 3 Standard: Laboratory Results, Release 1 (reaffirmation of ANSI/HL7 V3 LBRESULT, R1-2009 (R2014))
  Public Review Date: Oct 11, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI/HL7 V3 MFRI, R1-2006 (R2018), HL7 Version 3 Standard: Master File/Registry Infrastructure, R1 (reaffirmation of ANSI/HL7 V3 MFRI, R1-2006 (R2011))
  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 19, 2018 | Approved

- ANSI/HL7 V3 PACMET, R2-2016, HL7 Version 3 Standard: Patient Administration CMETs, Release 2 (revision and partition of ANSI/HL7 V3 CMET R3-2013)
  PINS Date: Nov 20, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 12, 2016 | Approved

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- ANSI/HL7 V3 PC CAREPLAN, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREPLAN, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

- ANSI/HL7 V3 PC CARERECLK, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Queries Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CARERECLK, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/HL7 V3 PC CARETRANS, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Transfer Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CARETRANS, R1-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: May 8, 2018 | Approved

- ANSI/HL7 V3 PCAS, R1-2018, HL7 Version 3 Standard: Care Provision; Assessment Scales, Release 1 (new standard)
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- ANSI/HL7 V3 REG RTLTM, R1-2011 (R2016), HL7 Version 3 Standard: Registries; Real-Time Location Tracking, Release 1 (reaffirmation of ANSI/HL7 V3 REG RTLTM, R1-2011)
  PINS Date: May 6, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Sep 23, 2016 | Approved

- ANSI/HL7 V3 RIM, R7-2016 (R2021), HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016)
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ANSI/HL7 CDAR2 IG TRAUMAREG, R2-2019, HL7(R) CDA(R) R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm (revision and redesignation of ANSI/HL7 CDAR2 IG TRAUMAREG R1-2016)
PINS Date: Apr 6, 2018 | Public Review Date: Nov 9, 2018 | Final Action Date: Jan 17, 2019 | Approved

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

PINS Date: Apr 29, 2011 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 29, 2021 | Approved

PINS Date: Oct 6, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Jan 6, 2020 | Approved

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

ANSI N12.1-2015, Fissile Material Symbol (new standard)
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ANSI N13.14-2018, Bioassay Programs for Tritium (new standard)
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ANSI N13.22-2013, Bioassay Program for Uranium (new standard)
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ANSI N13.25-2022, Internal Dosimetry Programs for Plutonium Exposure- Basic Requirements (new standard)
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ANSI N13.3-2013 (R2019), Dosimetry for Criticality Accidents (reaffirmation of ANSI N13.3-2013)
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HPS (ASC N13) (Health Physics Society)

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  PINS Date: Jan 7, 2011 | Public Review Date: Mar 18, 2011 | Final Action Date: Jul 19, 2011 | Approved

- ANSI N13.41-2011 (R2018), Criteria For Performing Multiple Dosimetry (reaffirmation of ANSI N13.41-2011)  
  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI N13.44-2014, Standard for a Thyroid Phantom Used in Occupational Monitoring (new standard)  
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  PINS Date: 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

- ANSI N13.54-2008 (R2018), Fetal Radiation Dose Calculations (reaffirmation of ANSI N13.54-2008)  
  Public Review Date: Nov 3, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI N13.56-2012 (R2019), Sampling and Monitoring Releases of Airborne Radioactivity in the Workplace (reaffirmation of ANSI N13.56-2012)  
  Public Review Date: Apr 5, 2019 | Final Action Date: May 23, 2019 | Approved

  Public Review Date: Apr 18, 2014 | Final Action Date: Jun 11, 2014 | Approved

  Public Review Date: Jan 4, 2019 | Final Action Date: Mar 1, 2019 | Approved

- ANSI N2.1-2011 (R2016), Radiation Symbol (reaffirmation of ANSI N2.1-2011)  
  Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved
HPS (ASC N43) (Health Physics Society)
950 Herndon Parkway, Suite 450, Herndon, VA  20170 | w: www.hps.org

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

- ANSI N43.14-2011 (R2016), Radiation Safety for Active Interrogation Systems for Security Screening of Cargo, Energies up to 100 MeV  (reaffirmation of ANSI N43.14-2011)
  Public Review Date: Aug 12, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI N43.16-2021, Radiation Safety for Cargo and Vehicle Security Screening Systems Using X-Ray or Gamma Radiation, Energies Up To 10 MeV  (new standard)
  PINS Date: Aug 28, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 14, 2021 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jul 24, 2018 | Approved

- ANSI N43.2-2021, Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment  (new standard)
  PINS Date: Jan 3, 2020 | Public Review Date: Sep 25, 2020 | Final Action Date: Apr 8, 2021 | Approved

- ANSI N43.3-2008 (R2013), Sealed Radioactive Sources--Classification  (reaffirmation of ANSI N43.6-2007)
  PINS Date: Oct 13, 2017 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 14, 2020 | Approved

- ANSI N43.4-2015, Radiological Safety for the Design and Construction of Apparatus for Gamma Radiography  (new standard)
  PINS Date: Jun 7, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 17, 2020 | Approved

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

  PINS Date: Oct 13, 2017 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 14, 2020 | Approved

- ANSI/HPVA HP-1-2020, Standard for Hardwood and Decorative Plywood  (revision of ANSI/HPVA HP-1-2016)
  PINS Date: Jun 7, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 17, 2020 | Approved
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- ANSI/HPVA LTDD 1.0-2015, Standard for Due Diligence in Procuring/Sourcing Legal Timber  (new standard)
  - PINS Date: Sep 28, 2012 | Public Review Date: Mar 25, 2016 | Final Action Date: Feb 24, 2015 | Approved

**HSI (Healthcare Standards Institute)**
- 10231 Kotzebue Street, San Antonio, TX  78217 | w: www.hsi.health/
  - PINS Date: Jan 29, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 12, 2021 | Approved

**IACET (International Association for Continuing Education and Training)**
- 2201 Cooperative Way, Suite 600, Herndon, VA  20171 | w: www.iacet.org
  - PINS Date: Feb 10, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Nov 3, 2017 | Approved

**IAPMO (International Association of Plumbing & Mechanical Officials)**
- 4755 East Philadelphia Street, Ontario, CA  91761-2816 | w: www.iapmo.org
- ANSI/IAPMO UMC 1-2021, Uniform Mechanical Code  (revision of ANSI/IAPMO UMC 1-2018)
  - PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved
- 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

**IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)**
- 18927 Hickory Creek Drive, Suite 220, Mokena, IL  60448 | w: www.asse-plumbing.org
  - PINS Date: Dec 20, 2019 | Public Review Date: Feb 28, 2020 | Final Action Date: Apr 14, 2020 | Approved
- ANSI/ASSE 1003-2020, Performance Requirements for Water Pressure Reducing Valves for Potable Water Distribution Systems  (new standard)
  - PINS Date: Apr 3, 2015 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 1, 2020 | Approved
- ANSI/ASSE 1004-2016, Backflow Prevention Requirements for Commercial Dishwashing Machines  (revision of ANSI/ASSE 1004-2009)
  - PINS Date: Dec 26, 2014 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved
- ANSI/ASSE 1008-2020, Performance Requirements for Plumbing Aspects of Residential Food Waste Disposer Units  (revision of ANSI/ASSE 1008-2019)
  - PINS Date: May 15, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 23, 2020 | Approved
- ANSI/ASSE 1010-2021, Performance Requirements for Water Hammer Arresters  (new standard)
  - PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved
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<td>ANSI/ASSE 1015-2021, Performance Requirements for Double Check Backflow Prevention Assemblies (revision of ANSI/ASSE 1015-2011)</td>
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- ANSI/ASSE 1035-2020, Performance Requirements for Laboratory Faucet Backflow Preventers (revision of ANSI/ASSE 1035-2008)
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- ANSI/ASSE 1047-2021, Performance Requirements for Reduced Pressure Detector Backflow Prevention Assemblies (revision of ANSI/ASSE 1047-2011)
  - PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

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

- ANSI/ASSE 1052-2016, Performance Requirements for Hose Connection Backflow Preventers (new standard)
  - PINS Date: Dec 26, 2014 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 17, 2016 | Approved

- ANSI/ASSE 1053-2019, Performance Requirements for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Types (new standard)
  - PINS Date: May 18, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 26, 2019 | Approved

- ANSI/ASSE 1056-2013 (R2021), Performance requirements for Spill Resistant Vacuum Breaker (reaffirmation of ANSI/ASSE 1056-2013)
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- ANSI/ASSE 1061-2020, Performance Requirements for Push-Fit Fittings (revision of ANSI/ASSE 1061-2015)
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- 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 1069-2020, Performance Requirements for Automatic Temperature Control Mixing Valves (new standard)
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  PINS Date: Mar 4, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

- ANSI/ASSE Series 27000-2022, Professional Qualifications Standard for Hybrid Fire Extinguishing Systems Personnel (new standard)
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  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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- ANSI/ASSE Standard 1049-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems (new standard)
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## IAPMO (WES) (International Association of Plumbing & Mechanical Officials)

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## IAPMO (Z) (International Association of Plumbing & Mechanical Officials)

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<tr>
<td>ANSI/CSA B45.8/IAPMO Z403-2018, Terrazzo, concrete, and natural stone plumbing fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2013)</td>
<td>Approved</td>
<td>PINS Date: Oct 13, 2017</td>
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<td>ANSI/IAPMO Z1157-2014e1 (R2019)</td>
<td>Ball Valves</td>
<td>Sep 6, 2019</td>
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<td>ANSI/IAPMO Z124.8-2013 (R2019)</td>
<td>Prefabricated Liners for Bathtubs and Shower Receptors</td>
<td>Nov 2, 2018</td>
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Approved American National Standards

**IAPMO (Z) (International Association of Plumbing & Mechanical Officials)**

- ANSI/IAPMO Z601-2018, Scale Reduction Devices  (new standard)
  PINS Date: Aug 17, 2007 | Public Review Date: Dec 29, 2017 | Final Action Date: Jul 11, 2018 | Approved

**ICC (International Code Council)**

  PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Nov 5, 2020 | Approved

  PINS Date: Apr 1, 2011 | Public Review Date: Dec 29, 2017 | Final Action Date: Aug 17, 2018 | Approved

  PINS Date: Sep 16, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

- ANSI/ICC 1200-2021, Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly  (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

- ANSI/ICC 1205-2021, Standard for Off-Site Construction: Inspection and Regulatory Compliance  (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Feb 19, 2021 | Final Action Date: Jul 19, 2021 | Approved

  PINS Date: Sep 15, 2017 | Public Review Date: Oct 20, 2017 | Final Action Date: Dec 14, 2017 | Approved

  PINS Date: Sep 25, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Sep 14, 2021 | Approved

  PINS Date: Sep 22, 2017 | Public Review Date: Jun 26, 2020 | Final Action Date: Nov 2, 2020 | Approved

  PINS Date: Sep 22, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 1, 2020 | Approved

  PINS Date: Mar 8, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Dec 3, 2020 | Approved

  PINS Date: Mar 8, 2019 | Public Review Date: Sep 18, 2020 | Final Action Date: Dec 3, 2020 | Approved

  Public Review Date: Sep 20, 2019 | Final Action Date: Dec 3, 2020 | Approved

**ICC (ASC A117) (International Code Council)**

  PINS Date: Jul 29, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Mar 28, 2017 | Approved
ICE (Institute for Credentialing Excellence)
2001 K St. NW, Suite 300, Washington, DC  20006 | w: www.credentialingexcellence.org

  PINS Date: Dec 15, 2017 | Public Review Date: Jan 4, 2019 | Final Action Date: Apr 9, 2019 | Approved

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

- ANSI/IEEE 1012-2016, Standard for System, Software and Hardware Verification and Validation  (new standard)
  Public Review Date: Dec 2, 2016 | Final Action Date: Dec 4, 2017 | Approved

  PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1018-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Ethylene-Propylene Rubber Insulation  (new standard)
  PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/IEEE 1019-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Polypropylene Insulation  (new standard)
  PINS Date: Mar 19, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 27, 2015 | Approved

  Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: May 5, 2006 | Public Review Date: Jul 8, 2011 | Final Action Date: Jul 25, 2012 | Approved

- ANSI/IEEE 1048-2016, Guide for Protective Grounding of Power Lines  (new standard)
  PINS Date: Dec 30, 2005 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 31, 2017 | Approved

- ANSI/IEEE 1062-2015, Recommended Practice for Software Acquisition  (new standard)
  PINS Date: Jun 13, 2008 | Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

- ANSI/IEEE 1067-2012, Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing for Use on Voltages up to 765 kV ac and ±750 kV dc  (revision of ANSI/IEEE 1067-2005)
  PINS Date: Feb 20, 2009 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

  Public Review Date: May 27, 2016 | Final Action Date: May 22, 2017 | Approved

  PINS Date: Apr 12, 2013 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 6, 2017 | Approved

- ANSI/IEEE 11073-10102-2012, Health informatics - Point-of-care medical device communication - Part 10102: Nomenclature - Annotated ECG  (new standard)
  Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved
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IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE 11073-10406-2011, Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3-lead ECG) (new standard)
PINS Date: Feb 6, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

- ANSI/IEEE 11073-10417-2015, Health Informatics - Personal Health Device Communication - Part 10417: Device Specialization - Glucose Meter (new standard)
PINS Date: Jan 5, 2007 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

PINS Date: Feb 6, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

- ANSI/IEEE 11073-10419-2015, Health Informatics - Personal health device communication - Part 10419: Device Specialization - Insulin Pump (new standard)
PINS Date: Feb 6, 2009 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 24, 2016 | Approved

- ANSI/IEEE 11073-10422-2016, Health informatics--Personal health device communication Part 10422: Device Specialization--Urine Analyzer (new standard)
PINS Date: Mar 4, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Dec 14, 2017 | Approved

- ANSI/IEEE 11073-10427-2016, Standard - Health informatics--Personal health device communication - Part 10427: Device specialization--Power Status Monitor of Personal Health Devices (new standard)
PINS Date: Jul 31, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

- ANSI/IEEE 11073-30200a-2011, Standard for Health Informatics - Point-of-Care Medical Device Communication - Part 30200 Transport Profile - Cable Connected - Amendment 1 (new standard)
PINS Date: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

- ANSI/IEEE 11073-30300-2004 (R2010), Standard for Health Informatics - Point-of-Care Medical Device Communication - Part 30300: Transport Profile - Infrared Wireless (reaffirmation and redesignation of ANSI/IEEE 1073.3.3-2004)
Public Review Date: Apr 23, 2010 | Final Action Date: Aug 20, 2010 | Approved

- ANSI/IEEE 1143-2012, Guide on Shielding Practice for Low Voltage Cables (new standard)
PINS Date: May 5, 2006 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 27, 2014 | Approved

PINS Date: Nov 14, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Nov 3, 2014 | Approved

PINS Date: Nov 8, 2013 | Public Review Date: Nov 3, 2017 | Final Action Date: Nov 26, 2018 | Approved

- ANSI/IEEE 1149.6-2015, Standard for Boundary-Scan Testing of Advanced Digital Networks (new standard)
PINS Date: Oct 30, 2009 | Public Review Date: May 27, 2016 | Final Action Date: May 4, 2017 | Approved

PINS Date: Jan 5, 2007 | Public Review Date: Sep 2, 2016 | Final Action Date: May 22, 2017 | Approved

- ANSI/IEEE 1175.2-2006 (R2011), Recommended Practice for CASE Tool Interconnection - Characterization of Interconnections (reaffirmation of ANSI/IEEE 1175.2-2006)
Public Review Date: Mar 9, 2012 | Final Action Date: Dec 3, 2012 | Approved
Approved American National Standards

IEEE (Institute of Electrical and Electronics Engineers)

  Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

- ANSI/IEEE 1207-2011, Guide for the Application of Turbine Governing Systems for Hydroelectric Generating Units  
  (revision of ANSI/IEEE 1207-2004)  
  PINS Date: Jan 22, 2010 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 16, 2012 | Approved

  (revision of ANSI/IEEE 1222-2003)  
  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

  (revision of ANSI/IEEE 1246-2002)  
  PINS Date: Mar 23, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

  (revision of ANSI/IEEE 1250-2002)  
  PINS Date: May 5, 2006 | Public Review Date: May 20, 2011 | Final Action Date: Jul 25, 2012 | Approved

  (revision of ANSI/IEEE 1264-2004 (R2009))  
  PINS Date: Nov 2, 2012 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 25, 2016 | Approved

  (new standard)  
  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

- ANSI/IEEE 1332-2012, Standard Reliability Program for the Development and Production of Electronic Products  
  (revision of ANSI/IEEE 1332-2004)  
  PINS Date: Jun 13, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 28, 2014 | Approved

- ANSI/IEEE 1349-2011, Guide for the Application of Electric Motors in Class I, Division 2 and Class I, Zone 2 Hazardous (Classified) Locations  
  (revision of ANSI/IEEE 1349-2001)  
  PINS Date: Mar 18, 2005 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 3, 2012 | Approved

  (identical national adoption of ISO/IEC 14102:2008)  
  PINS Date: Jul 17, 2009 | Public Review Date: Jul 16, 2010 | Final Action Date: Jan 4, 2011 | Approved

- ANSI/IEEE 14471-2010, Information Technology - Software Engineering - Guidelines for the Adoption of CASE Tools  
  (identical national adoption of ISO/IEC TR14471)  
  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

  (reaffirmation of ANSI/IEEE 1450.1-2005)  
  Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved
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  Public Review Date: Jul 22, 2011 | Final Action Date: Jul 26, 2012 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 16, 2016 | Approved

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

  PINS Date: Mar 4, 2011 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 6, 2014 | Approved

  PINS Date: Sep 19, 2003 | Public Review Date: May 5, 2006 | Final Action Date: Sep 20, 2006 | Approved

  PINS Date: May 23, 2008 | Public Review Date: Jul 8, 2011 | Final Action Date: Jul 24, 2012 | Approved

- ANSI/IEEE 1484.13.4-2016, Recommended Practice for Learning Technology--IMS Content Packaging Information Model (CP) Version 1.2--Mapping to the Conceptual Model for Resource Aggregation (new standard)
  PINS Date: Oct 23, 2009 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 14, 2017 | Approved

  PINS Date: Oct 23, 2009 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Jul 17, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 15, 2013 | Approved

  Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: Mar 26, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Aug 1, 2012 | Approved

  PINS Date: Mar 26, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 24, 2013 | Approved

  PINS Date: Nov 15, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 9, 2016 | Approved

  PINS Date: Nov 8, 2013 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 9, 2016 | Approved
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<td>Recommended Practice for Interconnecting Distributed Resources with Electric Power Systems Distribution (new standard)</td>
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<td>ANSI/IEEE 1549-2011</td>
<td>Standard for Microwave Filter Definitions (new standard)</td>
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<td>ANSI/IEEE 1591.3-2011</td>
<td>Standard for Qualifying Hardware for Helically-Applied Fiber Optic Cable Systems (WRAP Cable) (new standard)</td>
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<td>ANSI/IEEE 1609.4-2016</td>
<td>Standard for Wireless Access in Vehicular Environments (WAVE) -- Multi-Channel Operation (revision of ANSI/IEEE 1609.4-2011)</td>
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<td>ANSI/IEEE 1633-2016</td>
<td>Recommended Practice on Software Reliability (revision of ANSI/IEEE 1633-2008)</td>
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<td>ANSI/IEEE 1653.1-2016, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output (new standard)</td>
<td>PINS Date: Apr 9, 2004</td>
<td>Public Review Date: Dec 2, 2016</td>
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<td>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)</td>
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<td>Public Review Date: Mar 9, 2012</td>
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<td>ANSI/IEEE 1657a-2015, Recommended Practice for Personnel Qualifications for Installation and Maintenance of Stationary Batteries - Amendment 1: Updated Safety Sections (new standard)</td>
<td>PINS Date: Jul 3, 2015</td>
<td>Public Review Date: Feb 19, 2016</td>
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<td>ANSI/IEEE 1671.6-2015, Standard for Automatic Test Markup Language (ATML) Test Station Description (new standard)</td>
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<td>Public Review Date: Feb 19, 2016</td>
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<td>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)</td>
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<td>ANSI/IEEE 1680.3-2012, Standard for Environmental Assessment of Televisions (new standard)</td>
<td>PINS Date: Oct 23, 2009</td>
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IEEE (Institute of Electrical and Electronics Engineers)

- 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

  PINS Date: Feb 19, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Apr 16, 2012 | Approved

  PINS Date: Feb 22, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1733-2011, Standard for Layer 3 Transport Protocol for Time Sensitive Applications in Local Area Networks (new standard)
  PINS Date: Mar 21, 2008 | Public Review Date: May 20, 2011 | Final Action Date: Mar 27, 2012 | Approved

  PINS Date: May 23, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jul 18, 2012 | Approved

  Public Review Date: Jul 5, 2013 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/IEEE 1785.2-2016, Standard for Rectangular Metallic Waveguides and Their Interfaces for Frequencies of 110 GHz and Above-- Part 2: Waveguide Interfaces (new standard)
  PINS Date: Nov 16, 2012 | Public Review Date: Sep 2, 2016 | Final Action Date: Sep 27, 2017 | Approved

  PINS Date: Jul 18, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jul 18, 2012 | Approved

- ANSI/IEEE 1788-2015, Standard for Interval Arithmetic (new standard)
  PINS Date: Jul 18, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/IEEE 1789-2015, Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers (new standard)
  PINS Date: Nov 14, 2008 | Public Review Date: Feb 5, 2016 | Final Action Date: Sep 7, 2016 | Approved
IEEE (Institute of Electrical and Electronics Engineers)

- ANSI/IEEE 1792-2017, Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (new standard)
  PINS Date: Aug 13, 2010 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 13, 2018 | Approved

  PINS Date: Aug 13, 2010 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 16, 2014 | Approved

  PINS Date: Mar 14, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 21, 2014 | Approved

  PINS Date: Jul 16, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 23, 2014 | Approved

  Public Review Date: May 27, 2016 | Final Action Date: May 11, 2017 | Approved

  PINS Date: Mar 4, 2011 | Public Review Date: May 27, 2016 | Final Action Date: May 5, 2017 | Approved

- ANSI/IEEE 1816-2013, Guide for Preparation Techniques of Extruded Dielectric, Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories (new standard)
  PINS Date: Mar 26, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jun 19, 2015 | Approved

  PINS Date: May 21, 2010 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

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  PINS Date: Jul 16, 2010 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

  PINS Date: Dec 17, 2010 | Public Review Date: Jul 14, 2017 | Final Action Date: Aug 3, 2018 | Approved

  PINS Date: Feb 24, 2012 | Public Review Date: May 27, 2016 | Final Action Date: May 8, 2017 | Approved

- 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

  PINS Date: Mar 2, 2012 | Public Review Date: Aug 26, 2016 | Final Action Date: Jul 13, 2017 | Approved

- 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
### Approved American National Standards

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

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<td>Standard for Green Smart Home and Residential Quarter Control Network Protocol</td>
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PINS Date: Mar 4, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 14, 2017 | Approved

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PINS Date: Jan 17, 2014 | Public Review Date: Jul 14, 2017 | Final Action Date: Jul 2, 2018 | Approved

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

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

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  - PINS Date: Jan 22, 2010 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 13, 2018 | Approved

  - PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

  - PINS Date: Jul 18, 2008 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 31, 2014 | Approved

  - PINS Date: Jan 21, 2011 | Public Review Date: May 26, 2017 | Final Action Date: Apr 27, 2018 | Approved

  - 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

  - PINS Date: Jul 18, 2008 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved
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- ANSI/IEEE 3333.1-2015, Standard for Quality of Experience (QoE) and Visual-Comfort Assessments of Three-Dimensional (3D) Contents Based on Psychophysical Studies (new standard)
  - PINS Date: Feb 5, 2016 | Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

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  - PINS Date: Nov 4, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Dec 18, 2017 | Approved

- ANSI/IEEE 4-2013, Standard for High-Voltage Testing Techniques (new standard)
  - PINS Date: Jan 22, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Aug 20, 2015 | Approved

- ANSI/IEEE 400.2-2013, Guide for Field Testing of Shielded Power Cable Systems Using Very Low Frequency (VLF) (Less than 1 Hz) (new standard)
  - PINS Date: Jul 17, 2009 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 22, 2015 | Approved

- ANSI/IEEE 400.4-2015, Guide for Field Testing of Shielded Power Cable Systems Rated 5 kV and Above with Damped Alternating Current (DAC) Voltage (new standard)
  - PINS Date: May 21, 2010 | Public Review Date: Apr 8, 2016 | Final Action Date: Apr 7, 2017 | Approved

  - PINS Date: Feb 22, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 22, 2013 | Approved

- ANSI/IEEE 421.3-2016, Standard for High-Potential Test Requirements for Excitation Systems for Synchronous Machines (new standard)
  - PINS Date: Jul 22, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 16, 2017 | Approved

- ANSI/IEEE 421.5-2016, Recommended Practice for Excitation System Models for Power System Stability Studies (new standard)
  - PINS Date: Feb 24, 2012 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 2, 2017 | Approved

- ANSI/IEEE 421.6-2017, Recommended Practice for the Specification and Design of Field Discharge Equipment for Synchronous Machines (new standard)
  - PINS Date: Apr 12, 2013 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 16, 2018 | Approved

  - PINS Date: Feb 13, 2009 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 27, 2014 | Approved

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<td>ANSI/IEEE 487.5-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Isolation Transformers</td>
<td>PINS Date: Feb 24, 2012</td>
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<td>ANSI/IEEE 572-2006 (R2011), Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations</td>
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- ANSI/IEEE 802.15.4j-2013, Standard for Local and metropolitan area networks - Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs) - Amendment 4: Alternative Physical Layer Extension to Support Medical Body Area Network (MBAN) Services Operating in the 2360 MHz - 2400 MHz Band (new standard)
  PINS Date: Jan 21, 2011 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

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

- ANSI/IEEE 802.15.7-2011, Standard for Short-Range Wireless Optical Communication using Visible Light (new standard)
  PINS Date: Feb 6, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Sep 27, 2012 | Approved

- ANSI/IEEE 802.15.9-2016, Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams (new standard)
  PINS Date: Feb 24, 2012 | Public Review Date: Sep 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

  PINS Date: Jan 22, 2010 | Public Review Date: Jul 8, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1AC-2016, Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition (new standard)
  PINS Date: Nov 29, 2013 | Public Review Date: Jun 2, 2017 | Final Action Date: May 18, 2018 | Approved

- ANSI/IEEE 802.1AEbw-2013, Standard for Local and metropolitan area networks - Media Access Control (MAC) Security Amendment 2: Extended Packet Numbering (new standard)
  PINS Date: Jul 6, 2012 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 24, 2014 | Approved

- ANSI/IEEE 802.1BA-2011, Standard for Local and Metropolitan Area Networks - Audio Video Bridging (AVB) Systems (new standard)
  PINS Date: Jun 13, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 7, 2012 | Approved

  Public Review Date: May 20, 2011 | Final Action Date: Apr 16, 2012 | Approved

- ANSI/IEEE 802.1Q-2012, Standard for Local and Metropolitan Area Networks - Media Access Control (MAC) Bridges and Virtual Bridges (revision of ANSI/IEEE 802.1Q-2006)
  Public Review Date: Jul 8, 2011 | Final Action Date: Apr 23, 2012 | Approved

- ANSI/IEEE 802.1Qaz-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: May 23, 2008 | Public Review Date: Jul 22, 2011 | Final Action Date: Sep 27, 2012 | Approved

- ANSI/IEEE 802.1Qbb-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Priority-based Flow Control (addenda to ANSI/IEEE 802.1Q-2011)
  PINS Date: May 23, 2008 | Public Review Date: Jul 22, 2011 | Final Action Date: Apr 26, 2012 | Approved

- ANSI/IEEE 802.1Qbc-2011, Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment: Provider Bridging - Remote Customer Service Interfaces (addenda to ANSI/IEEE 802.1Q-2011)
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- 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)
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- ANSI/IEEE 802.3.1-2011, Standard for Management Information Base (MIB) definitions for Ethernet (new standard)
  PINS Date: Feb 20, 2009 | Public Review Date: Jul 8, 2011 | Final Action Date: May 23, 2012 | Approved

  PINS Date: Jul 31, 2009 | Public Review Date: Jul 22, 2011 | Final Action Date: Jul 25, 2012 | Approved

- ANSI/IEEE 802.3bf-2011, Standard for Information Technology -Telecommunications and Information Exchange between Systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media access Control (MAC) service interface and management parameters to support time synchronization protocols (supplement to ANSI/IEEE 802.3-2009)
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  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

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- ANSI/IEEE 810-2015, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (new standard)
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- ANSI/IEEE C37.010-2016, Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis (new standard)
  PINS Date: Jan 28, 2011 | Public Review Date: Mar 24, 2017 | Final Action Date: Mar 23, 2018 | Approved

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- ANSI/IEEE C37.06.1-2021, Recommended Practice for Preferred Ratings for High-Voltage(1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Aug 17, 2018 | Final Action Date: Oct 21, 2021 | Approved

  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)
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- ANSI/IEEE C37.120-2022, Guide for Protection System Redundancy for Power System Reliability (new standard)
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- ANSI/IEEE C37.20.2-2015, Standard for Metal-Clad Switchgear (new standard)
  PINS Date: Nov 14, 2008 | Public Review Date: Feb 19, 2016 | Final Action Date: Sep 12, 2016 | Approved

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

- ANSI/IEEE C37.20.6-2015, Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures (revision of ANSI/IEEE C37.20.6-2007)
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  (revision of ANSI/IEEE C37.232-2007)
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  (revision of ANSI/IEEE C37.238-2011)
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- ANSI/IEEE C37.242-2013, Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control (new standard)
  PINS Date: Dec 17, 2010 | Public Review Date: Jul 12, 2013 | Final Action Date: Oct 7, 2014 | Approved

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- ANSI/IEEE C37.244-2013, Guide for Phasor Data Concentrator Requirements for Power System Protection, Control, and Monitoring (new standard)
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  PINS Date: Jul 24, 2015 | Public Review Date: Dec 2, 2016 | Final Action Date: Nov 7, 2017 | Approved

- ANSI/IEEE C37.47-2011, Standard Specifications For High Voltage (> 1000 V) Current-Limiting Type Distribution Class Fuses and Fuse Disconnecting Switches (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 11, 2013 | Approved

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- ANSI/IEEE C37.74-2014, Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV (new standard)
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- ANSI/IEEE C57.12.01-2015, Standard for General Requirements for Dry-Type Distribution and Power Transformers (new standard)
  PINS Date: Feb 19, 2010 | Public Review Date: Aug 14, 2015 | Final Action Date: Aug 23, 2016 | Approved

  Public Review Date: Mar 9, 2012 | Final Action Date: Nov 27, 2012 | Approved

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- ANSI/IEEE C57.12.34-2015, Standard Requirements for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers, 10 MVA and Smaller; High-Voltage, 34.5 kV Nominal System Voltage and Below; Low-Voltage, 15 kV Nominal System Voltage and Below (revision of ANSI/IEEE C57.12.34-2009)
  PINS Date: Jul 22, 2011 | Public Review Date: Feb 19, 2016 | Final Action Date: Dec 16, 2016 | Approved

- ANSI/IEEE C57.12.36-2017, Standard Requirements for Liquid-Immersed Distribution Substation Transformers (new standard)
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- 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)
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- **ANSI/IEEE C57.149-2012**, Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers  (new standard)  
  PINS Date: Jul 23, 2004 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 22, 2014 | **Approved**

- **ANSI/IEEE C57.150-2012**, Guide for the Transportation of Transformers and Reactors Rated 10 000 kVA or Higher  (new standard)  
  PINS Date: Dec 10, 2004 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 3, 2014 | **Approved**
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- **ANSI/IEEE C62.72-2016**, Guide for the Application of Surge-Protective Devices for Use on the Load Side of Service Equipment in Low-Voltage (1000 V or Less, 50 Hz or 60 Hz) AC Power Circuits  
  (revision of ANSI/IEEE C62.72-2007)  
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  (revision of ANSI/IEEE C62.92.3-1993 (R2005))  
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- **ANSI/IEEE C93.3-2017**, Standard for the Requirements for Power-Line Carrier Line Traps (30-500 kHz)  
  (new standard)  
PINS Date: Feb 24, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 2, 2018 | Approved

- **ANSI/IEEE C93.4-2012**, Standard for Power-Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines  
  (new standard)  
PINS Date: Jul 15, 2005 | Public Review Date: Jul 5, 2013 | Final Action Date: Oct 3, 2014 | Approved
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445 Hoes Lane, Piscataway, NJ  08855-1331 | w: www.ieee.org

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## IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

32515 Nottingham Court, PO Box 367, Lindstrom, MN  55045 | w: www.ieee.org

- ANSI C63.12-2015, Standard Recommended Practice for Electromagnetic Compatibility Limits and Test Levels
  (revision of ANSI C63.12-1999 (R2007))
  PINS Date: May 24, 2013 | Public Review Date: Apr 24, 2015 | Final Action Date: Jun 18, 2015 | Approved

- ANSI C63.15-2017, Draft Standard Recommended Practice for the Immunity Measurement of Electrical and Electronic Equipment
  (revision of ANSI C63.15-2010)
  PINS Date: Jun 3, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI C63.16-2016, Guide for Electrostatic Discharge Test Methodologies and Acceptances Criteria for Electronic Equipment
  (new standard)
  PINS Date: May 11, 2012 | Public Review Date: Dec 11, 2015 | Final Action Date: Feb 1, 2016 | Approved

- ANSI C63.17 (R2020), Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices
  (reaffirmation of ANSI/IEEE C63.17-2013)
  Public Review Date: May 3, 2019 | Final Action Date: Nov 30, 2020 | Approved

- ANSI C63.19-2019, Standard Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids
  (revision of ANSI C63.19-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 19, 2019 | Approved

- ANSI C63.23-2012 (R2020), Standard Guide for Electromagnetic Compatibility Computations and Treatment of Measurement Uncertainty
  (reaffirmation of ANSI/IEEE C63.23-2012)
  PINS Date: Dec 1, 2017 | Public Review Date: May 3, 2019 | Final Action Date: Aug 10, 2020 | Approved

- ANSI C63.24-2021, Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems
  (new standard)
  PINS Date: Nov 16, 2001 | Public Review Date: Oct 23, 2020 | Final Action Date: Jan 19, 2021 | Approved

- ANSI C63.25.1-2018, Standard Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz
  (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI C63.30-2021, Standard for compliance testing of Wireless Power Transfer Products
  (new standard)
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- ANSI C63.7-2015, Standard Guide for Construction of Test Sites for Performing Radiated Emission Measurements
  (revision of ANSI C63.7-2005)
  PINS Date: May 24, 2013 | Public Review Date: Dec 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

- ANSI/IEEE C63.18-2014 (R2019), Standard Recommended Practice for an On-Site, Ad Hoc Test Method for Estimating Electromagnetic Immunity of Medical Devices to Radiated Radio-Frequency (RF) Emissions from RF Transmitters
  (reaffirmation of ANSI/IEEE C63.18-2014)
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 **IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)**

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- ANSI/IEEE C63.4a-2017, Draft Standard for the Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz: Amendment 1: Amendment to Annex D of ANSI C63.4-2014 on Test Site Validation (supplement to ANSI/IEEE C63.4-2014)
  - PINS Date: Apr 15, 2016 | Public Review Date: Jun 23, 2017 | Final Action Date: Sep 15, 2017 | Approved

**IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)**

- ANSI C63.27-2021, Standard for Evaluation of Wireless Coexistence (revision of ANSI C63.27-2017)
  - PINS Date: Dec 1, 2017 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 29, 2021 | Approved

  - PINS Date: Aug 23, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.17AC-2022, Performance Specifications for Health Physics Instrumentation-Portable Survey Instrumentation for Use in Normal and Extreme Environmental Conditions (new standard)
  - PINS Date: Feb 13, 2015 | Public Review Date: Apr 24, 2020 | Final Action Date: Mar 4, 2022 | Approved

- ANSI N42.32-2016, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (revision of ANSI N42.32-2006)
  - PINS Date: Sep 6, 2013 | Public Review Date: Jun 19, 2015 | Final Action Date: Apr 7, 2016 | Approved

- ANSI N42.32a-2022, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (addenda to ANSI N42.32-2016)
  - PINS Date: Apr 10, 2020 | Public Review Date: Oct 30, 2020 | Final Action Date: Mar 4, 2022 | Approved

  - PINS Date: Oct 21, 2016 | Public Review Date: Oct 13, 2017 | Final Action Date: Aug 9, 2019 | Approved

- ANSI N42.34-2021, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides (revision of ANSI N42.34-2015)
  - Public Review Date: Apr 2, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI N42.34a-2020, Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides Amendment (addenda to ANSI N42.34-2015)
  - PINS Date: Sep 6, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Aug 10, 2020 | Approved

  - PINS Date: Sep 6, 2013 | Public Review Date: Feb 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI N42.37-2016, Training for the Radiological/Nuclear Detection Mission (revision of ANSI N42.37-2006)
  - PINS Date: Aug 15, 2014 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 7, 2016 | Approved

  - PINS Date: Jun 29, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI N42.41-2021, Standard Minimum Performance Criteria for Active Interrogation Systems Used for Homeland Security (revision of ANSI N42.41-2007 (R2017))
  - PINS Date: Oct 20, 2017 | Public Review Date: May 28, 2021 | Final Action Date: Nov 12, 2021 | Approved
**Approved American National Standards**

The data in this document is reported as of Monday, October 3, 2022

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**IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)**

- ANSI N42.42-2020, Standard Data Format for Radiation Detectors Used for Homeland Security (revision of ANSI N42.42-2012)
  - PINS Date: Apr 26, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Apr 23, 2020 | Approved

- ANSI N42.43-2016, Performance Criteria for Mobile and Transportable Radiation Monitors Used for Homeland Security (revision of ANSI N42.43-2006)
  - PINS Date: Sep 6, 2013 | Public Review Date: Nov 13, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI N42.45-2021, Standard for Evaluating the Image Quality of X-ray Computed Tomography (CT) Security-Screening Systems (new standard)
  - PINS Date: Sep 5, 2014 | Public Review Date: Sep 3, 2021 | Final Action Date: Dec 22, 2021 | Approved

  - PINS Date: Sep 8, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Nov 14, 2017 | Approved

- ANSI N42.48-2018, Standard Performance Requirements for Spectrometric Personal Radiation Detectors (SPRDs) for Homeland Security (new standard)
  - PINS Date: Oct 20, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Nov 5, 2018 | Approved

- ANSI N42.49A (R2022), Standard for Performance Criteria for Alarming Electronic Personal Emergency Radiation Detectors (PERDs) for Exposure Control (reaffirmation and redesignation of ANSI/N42.49a-2011)
  - PINS Date: Jan 1, 2021 | Public Review Date: Mar 18, 2022 | Final Action Date: May 6, 2022 | Approved

- ANSI N42.49B-2013, Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard)
  - PINS Date: May 8, 2009 | Public Review Date: Feb 17, 2012 | Final Action Date: Dec 20, 2013 | Approved

- ANSI N42.50-2022, Standard Performance Specifications for Instrumentation Systems Designed for Measuring Radon Progeny in Air (new standard)
  - PINS Date: Jan 19, 2007 | Public Review Date: Apr 16, 2021 | Final Action Date: Mar 4, 2022 | Approved

- ANSI N42.53-2021, Standard Performance Criteria for Backpack-Based Radiation-Detection Systems Used for Homeland Security (revision of ANSI N42.53-2013)
  - PINS Date: Aug 23, 2019 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 21, 2021 | Approved

- ANSI N42.54-2018, Draft Standard for Instrumentation and Systems for Monitoring Airborne Radioactivity (revision and partition of ANSI N42.18-2004, N42.17B, ANSI N42.18, ANSI N42.30, ANSI N323C)
  - PINS Date: Aug 27, 2010 | Public Review Date: Oct 20, 2017 | Final Action Date: Jan 10, 2018 | Approved

- ANSI N42.55-2013, Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification (new standard)
  - PINS Date: Apr 15, 2011 | Public Review Date: Sep 20, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.60-2019, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard)
  - PINS Date: Oct 13, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Aug 8, 2019 | Approved

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**IES (Illuminating Engineering Society)**

120 Wall Street, Floor 17, New York, NY 10005-4001 | w: www.ies.org

- ANSI-IES LS-1-2021, Lighting Science: Nomenclature and Definitions for Illuminating Engineering (revision of ANSI/IES LS 1-2020)
  - Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  - PINS Date: Dec 19, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 25, 2015 | Approved
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<td>Photometric Testing of Roadway and Area Lighting Fluorescent Luminaires (new standard)</td>
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<td>Photometry of Reflector Type Lamps (new standard)</td>
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<td>Guide for the Selection, Care and Use of Electrical Instruments in the Photometric Laboratory (new standard)</td>
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<td>ANSI/IES LM-31-2020</td>
<td>Photometric Testing of Roadway and Area Lighting Luminaires Using Incandescent Filament or High Intensity Discharge Lamps (new standard)</td>
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<td>ANSI/IES LM-37-2020</td>
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<td>IES Approved Method: Life Testing of Fluorescent Lamps (new standard)</td>
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<td>ANSI/IES LM-41-2020</td>
<td>Photometric Testing of Indoor Fluorescent Luminaires (new standard)</td>
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IES (Illuminating Engineering Society)

  PINS Date: Mar 15, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 23, 2020 | Approved

  PINS Date: Sep 20, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LM-88-2018, Approved Method: Optical and Electrical Measurements of AC-LED Packages and Arrays or Modules (new standard)
  PINS Date: Dec 4, 2015 | Public Review Date: Nov 10, 2017 | Final Action Date: Sep 6, 2018 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jul 5, 2019 | Final Action Date: Feb 7, 2020 | Approved

  PINS Date: Jan 4, 2019 | Public Review Date: Nov 1, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/IES LM-91 (C303)-2022, IES (Guide to) Approved Method: Application Distance Specific Radiometry (new standard)
  PINS Date: Jan 18, 2019 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 8, 2022 | Approved

- ANSI/IES LP-1-2020, Lighting Practice: Designing Quality Lighting for People and Buildings (new standard)
  PINS Date: Apr 26, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LP-10-2020, Lighting Practice: Sustainable Lighting - An Introduction to the Environmental Impacts of Lighting (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LP-11-2020, Lighting Practice: Environmental Considerations for Outdoor Lighting (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

- ANSI/IES LP-12-2021, Lighting Practice: IoT Connected Lighting (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Apr 9, 2021 | Final Action Date: May 27, 2021 | Approved

- ANSI/IES LP-13-2021, Lighting Practice: Introduction to Resilient Lighting (new standard)
  PINS Date: Apr 9, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/IES LP-16-2022, Lighting Practice: Documenting Control Intent Narratives and Sequence of Operations (new standard)
  PINS Date: Nov 15, 2019 | Public Review Date: Mar 11, 2022 | Final Action Date: Jun 10, 2022 | Approved

- ANSI/IES LP-2-2020, Lighting Practice: Designing Quality Lighting for People in Outdoor Environments (new standard)
  PINS Date: Jan 4, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Feb 7, 2020 | Approved

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

- ANSI/IES LP-4-2020, Lighting Practice: Electric Light Sources - Properties, Selection and Specification (new standard)
  PINS Date: Jun 14, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved
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<td>ANSI/IES LS-6-2020, Lighting Science: Calculation of Light and Its Effects (new standard)</td>
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<td>ANSI/IES RP-1-2020, Recommended Practice: Lighting Office Spaces (revision of ANSI/IES RP-1-2013)</td>
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<td>Recommended Practice: Lighting Museums (revision of ANSI/IES RP-30-16)</td>
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**IEST (Institute of Environmental Sciences and Technology)**

1827 Walden Office Square, Suite 400, Schaumburg, IL 60173 | w: www.iest.org

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved
IEST (Institute of Environmental Sciences and Technology)

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  Public Review Date: Jan 27, 2006 | Final Action Date: Mar 24, 2006 | Approved

  Public Review Date: Dec 20, 2002 | Final Action Date: Jul 29, 2003 | Approved

  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-7-2004, Cleanrooms and associated controlled environments-Part 7: Separative devices (clean air hoods, gloveboxes, isolators and minienvironments (identical national adoption of ISO 14644-7)
  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved

- ANSI/IEST/ISO 14644-8-2006, Cleanrooms and associated controlled environments - Part 8: Classification of airborne molecular contamination (identical national adoption of ISO 14644-8)
  Public Review Date: Sep 15, 2006 | Final Action Date: Nov 17, 2006 | Approved

  PINS Date: Jun 15, 2012 | Public Review Date: Jan 3, 2020 | Final Action Date: Feb 24, 2020 | Approved

IIAR (International Institute of Ammonia Refrigeration)

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

  PINS Date: Feb 10, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  PINS Date: Aug 9, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 8, 2021 | Approved

  PINS Date: Jan 8, 2021 | Public Review Date: Mar 25, 2022 | Final Action Date: Jul 11, 2022 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved
IIAR (International Institute of Ammonia Refrigeration)

  PINS Date: Jun 23, 2017 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Feb 29, 2008 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  PINS Date: Jun 23, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 16, 2019 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

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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 Radiation Level and Surface Contamination for Packages and Conveyances (revision of ANSI N14.36-2013)
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 14, 2020 | Approved

- ANSI N14.5-2014, Leakage Tests on Packages for Shipment (new standard)
  PINS Date: Jul 20, 2012 | Public Review Date: Feb 28, 2014 | Final Action Date: Jun 19, 2014 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: May 7, 2021 | Final Action Date: Jul 20, 2021 | Approved

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

  PINS Date: Nov 14, 2008 | Public Review Date: Mar 12, 2021 | Final Action Date: May 21, 2021 | Approved

- ANSI N15.36-2021, Standard for Methods of Nuclear Material Control - Measurement Control Program - Nondestructive Assay (new standard)
  PINS Date: Jan 15, 2016 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 5, 2021 | Approved

  PINS Date: Jun 1, 2012 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 27, 2017 | Approved

  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.)

- 125 Wolf Road, Suite 207, Albany, NY  12205 | w: www.irecusa.org
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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
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)
PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Nov 12, 2018 | Approved

PINS Date: Jul 20, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Nov 12, 2018 | Approved

ANSI/ISA 62453-306 (103.00.07)-2011, Field device tool (FDT) interface specification - Part 306: Communication profile integration - IEC 61784 CPF 6 (national adoption with modifications of IEC 62453-306)
PINS Date: Sep 4, 2009 | Public Review Date: Oct 8, 2010 | Final Action Date: May 31, 2011 | Approved

ANSI/ISA 62453-309 (103.00.08)-2018, Field device tool (FDT) interface specification - Part 309: Communication profile integration - IEC 61784 CPF 9 (national adoption of IEC 62453-309 with modifications and revision of ANSI/ISA 62453-309 (103.00.08)-2011)
PINS Date: Feb 16, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Nov 12, 2018 | Approved

ANSI/ISA 62453-315 (103.00.09)-2018, Field device tool (FDT) interface specification - Part 315: Communication profile integration - IEC 61784 CPF 15 (national adoption of IEC 62453-315 with modifications and revision of ANSI/ISA 62453-315 (103.00.09)-2011)
PINS Date: Jul 20, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 12, 2018 | Approved

ANSI/ISA 62769-1-2016, Field Device Integration (FDI) - Part 1: Overview (identical national adoption of IEC 62769-1)
PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

ANSI/ISA 62769-103-1-2016, Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS (identical national adoption of IEC 62769-103-1:2015)
PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

ANSI/ISA 62769-103-4-2016, Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET (identical national adoption of IEC 62769-103-4:2015)
PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

ANSI/ISA 62769-2-2016, Field Device Integration (FDI) - Part 2: FDI Client (identical national adoption of IEC 62769-2)
PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved
ISA (Organization) (International Society of Automation)

  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-4-2016, Field Device Integration (FDI) - Part 4: FDI Packages (identical national adoption of IEC 62769-4:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-5-2016, Field Device Integration (FDI) - Part 5: FDI Information Model (identical national adoption of IEC 62769-5:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-6-2016, Field Device Integration (FDI) - Part 6: FDI Technology Mapping (identical national adoption of IEC 62769-6:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 62769-7-2016, Field Device Integration (FDI) - Part 7: FDI Communication Devices (identical national adoption of IEC 62769-7:2015)
  PINS Date: Oct 2, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 21, 2016 | Approved

- ANSI/ISA 67.01.01-2019, Transducer and Transmitter Installation for Nuclear Safety Applications (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 11, 2019 | Approved

- ANSI/ISA 67.02.01-2021, Nuclear Safety-Related Instrument-Sensing Line Piping and Tubing Standard for Use in Nuclear Power Plants (revision of ANSI/ISA 67.02.01-2014)
  PINS Date: Dec 20, 2019 | Public Review Date: Dec 25, 2020 | Final Action Date: Nov 29, 2021 | Approved

- ANSI/ISA 67.04.01-2018, Setpoints for Nuclear Safety-Related Instrumentation (revision of ANSI/ISA 67.04.01-2006 (R2011))
  PINS Date: Jul 8, 2016 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 11, 2018 | Approved

  PINS Date: Aug 24, 2012 | Public Review Date: Feb 15, 2013 | Final Action Date: Aug 16, 2013 | Approved

- ANSI/ISA 75.01.01 (60534-2-1 Mod)-2012, Industrial-Process Control Valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions (national adoption of IEC 60534-2-1 with modifications and revision of ANSI/ISA 75.01.01 (IEC 60534-2-1 Mod)-2007)
  PINS Date: Oct 7, 2011 | Public Review Date: Jun 15, 2012 | Final Action Date: Aug 27, 2012 | Approved

- ANSI/ISA 75.02.01-2008 (IEC 60534-2-3 Mod), Control Valve Capacity Test Procedures (new standard)
  PINS Date: Sep 28, 2007 | Public Review Date: Oct 3, 2008 | Final Action Date: Apr 21, 2009 | Approved

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

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

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

- ANSI/ISA 75.08.03-2001 (R2013), Face-to-Face Dimensions for Socket Weld-End and Screwed-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (reaffirmation of ANSI/ISA 75.08.03-2001 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 30, 2013 | Approved
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<td>Public Review Date: Nov 9, 2012</td>
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<td>ANSI/ISA 75.08.05-2016, Face-to-Face Dimensions for Butt weld-End Globe-Style Control Valves (Classes 150, 300, 600, 900, 1500, and 2500) (revision of ANSI/ISA 75.08.05-2002 (R2007))</td>
<td>PINS Date: Oct 7, 2011</td>
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<td>ANSI/ISA 75.08.06-2002 (R2013), Face-to-Face Dimensions for Flanged Globe-Style Control Valve Bodies (Classes 900, 1500, and 2500) (reaffirmation of ANSI/ISA 75.08.06-2002 (R2007))</td>
<td>Public Review Date: Nov 9, 2012</td>
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<td>ANSI/ISA 75.08.07-2001 (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))</td>
<td>Public Review Date: Nov 9, 2012</td>
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<td>ANSI/ISA 75.08.08-2015, Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (Classes 150, 300, and 600) (revision of ANSI/ISA 75.08.08-1999 (R2007))</td>
<td>PINS Date: Oct 7, 2011</td>
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<td>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))</td>
<td>PINS Date: Feb 27, 2015</td>
<td>Public Review Date: Nov 20, 2015</td>
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<td>ANSI/ISA 75.10.01-2013, General Requirements for Clamp or Pinch Valves (revision of ANSI/ISA 75.10.01-2008)</td>
<td>PINS Date: Nov 9, 2012</td>
<td>Public Review Date: Oct 4, 2013</td>
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<td>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)</td>
<td>PINS Date: Jul 2, 2010</td>
<td>Public Review Date: Jan 31, 2014</td>
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<td>ANSI/ISA 75.10.03-2015, Installed Face-to-Face Dimensions for Shell and Tube Flanged Pinch Valves (new standard)</td>
<td>PINS Date: Apr 11, 2008</td>
<td>Public Review Date: Oct 31, 2014</td>
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<td>ANSI/ISA 75.11.01-2013, Inherent Flow Characteristic and Rangeability of Control Valves (revision of ANSI/ISA 75.11.01-1985 (R2002))</td>
<td>PINS Date: Aug 8, 2008</td>
<td>Public Review Date: Nov 9, 2012</td>
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<td>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)</td>
<td>PINS Date: Oct 7, 2011</td>
<td>Public Review Date: Sep 6, 2013</td>
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<td>ANSI/ISA 75.19.01-2013, Hydrostatic Testing of Control Valves (revision of ANSI/ISA 75.19.01-2007)</td>
<td>PINS Date: Oct 7, 2011</td>
<td>Public Review Date: May 24, 2013</td>
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<td>ANSI/ISA 75.25.01-2001 (R2010), Test Procedure for Control Valve Response (reaffirmation of ANSI/ISA 75.25.01-2001)</td>
<td>PINS Date: Feb 3, 2006</td>
<td>Public Review Date: Nov 27, 2009</td>
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<td>ANSI/ISA 77.14.01-2022, Fossil Fuel Power Plant Steam Turbine Controls (revision of ANSI/ISA 77.14.01-2010)</td>
<td>PINS Date: Mar 14, 2014</td>
<td>Public Review Date: Mar 22, 2019</td>
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ISA (Organization) (International Society of Automation)

- ANSI/ISA 77.41.01-2015, Fossil Fuel Power Plant Boiler Combustion Controls  (revision of ANSI/ISA 77.41.01-2010)
  
  PINS Date: Mar 14, 2014 | Public Review Date: May 22, 2015 | Final Action Date: Oct 27, 2015 | Approved

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

- ANSI/ISA 77.43.01-2014, Fossil Fuel Power Plant Unit/Plant Demand Development  (revision of ANSI/ISA S77.43.01-1994 (R2008))
  
  PINS Date: Nov 23, 2012 | Public Review Date: Sep 26, 2014 | Final Action Date: Dec 22, 2014 | Approved

- ANSI/ISA 77.44.01-2007 (R2013), Fossil Fuel Power Plant - Steam Temperature Controls  (reaffirmation of ANSI/ISA 77.44.01-2007)
  
  Public Review Date: May 4, 2012 | Final Action Date: Mar 7, 2013 | Approved

- ANSI/ISA 77.70.02-2014, Fossil Fuel Power Plant Instrument Piping Installation  (revision of ANSI/ISA 77.70.02-2005 (R2010))
  
  PINS Date: Mar 14, 2014 | Public Review Date: Oct 3, 2014 | Final Action Date: Dec 15, 2014 | Approved

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

- ANSI/ISA 84.91.01-2021, Identification and Mechanical Integrity of Process Safety Controls, Alarms, and Interlocks in the Process Industry Sector  (revision of ANSI/ISA 84.91.01-2012)
  
  PINS Date: Mar 18, 2016 | Public Review Date: Oct 30, 2020 | Final Action Date: Feb 4, 2021 | Approved

- ANSI/ISA 88.00.01-2010, Batch Control Part 1: Models and Terminology  (new standard)
  
  PINS Date: Feb 2, 2007 | Public Review Date: Jul 23, 2010 | Final Action Date: Dec 6, 2010 | Approved

- ANSI/ISA 95.00.01 (IEC 62264-1 Modified)-2010, Enterprise-Control System Integration - Part 1: Models and Terminology  (national adoption of IEC 62264-1 with modifications and revision of ANSI/ISA 95.00.01-2000)
  
  PINS Date: Mar 14, 2008 | Public Review Date: Jul 31, 2009 | Final Action Date: May 13, 2010 | Approved

- ANSI/ISA 95.00.02-2018, Enterprise-Control System Integration - Part 2: Objects and Attributes for enterprise-control (national adoption of IEC 62264-2 with modifications and revision of ANSI/ISA 95.00.02 (IEC 62264-2 Modified)-2010)
  
  PINS Date: Apr 24, 2015 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/ISA 95.00.03 (IEC 62264-3 Modified)-2013, Enterprise-Control System Integration - Part 3: Activity Models of Manufacturing Operations Management  (national adoption with modifications of IEC 62264-3)
  
  PINS Date: Mar 14, 2008 | Public Review Date: Feb 8, 2013 | Final Action Date: Jul 8, 2013 | Approved

- ANSI/ISA 95.00.04-2018, Enterprise-Control System Integration - Part 4: Object model attributes for manufacturing operations management integration  (revision of ANSI/ISA 95.00.04-2012)
  
  PINS Date: Feb 19, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

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

- ANSI/ISA 95.00.06-2014, Enterprise-Control System Integration - Part 6: Messaging Service Model  (new standard)
  
  PINS Date: Sep 6, 2013 | Public Review Date: Apr 4, 2014 | Final Action Date: Oct 10, 2014 | Approved

- ANSI/ISA 95.00.07-2018, Enterprise-Control System Integration - Part 7: Alias Service Model  (new standard)
  
  PINS Date: May 16, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 28, 2017 | Approved
ISA (Organization) (International Society of Automation)

- ANSI/ISA 95.00.08-2020, Enterprise-Control System Integration - Part 8: Information Exchange Profiles  (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Dec 27, 2019 | Final Action Date: May 8, 2020 | Approved

- ANSI/ISA 96.01.01-2019, Valve Actuator Terminology  (new standard)
  PINS Date: May 19, 2006 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 22, 2021 | Approved

- ANSI/ISA 96.02.01-2016, Guidelines for the Specification of Electric Valve Actuators  (revision of ANSI/ISA 96.02.01-2008)
  PINS Date: Aug 3, 2012 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI/ISA 96.03.01-2019, Guidelines for the Specification of Heavy Duty Pneumatically Powered Quarter Turn Scotch Yoke Valve Actuators  (revision of ANSI/ISA 96.03.01-2012)
  PINS Date: Apr 21, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 3, 2020 | Approved

- ANSI/ISA 96.03.02-2015, Guidelines for the Specification of Pneumatic Rack and Pinion Actuators  (new standard)
  PINS Date: May 18, 2012 | Public Review Date: May 15, 2015 | Final Action Date: Jul 28, 2015 | Approved

- ANSI/ISA 96.03.03-2013, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators  (new standard)
  PINS Date: May 18, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Mar 7, 2013 | Approved

- ANSI/ISA 96.03.04-2019, Guidelines for the Specification of Linear Piston Pneumatic Actuators  (new standard)
  PINS Date: Nov 18, 2016 | Public Review Date: Apr 27, 2020 | Final Action Date: Feb 23, 2017 | Approved

- ANSI/ISA 96.03.05-2022, Guidelines for the Specification of Self-Contained Electro-Hydraulic Valve Actuators  (revision of ANSI/ISA 96.03.05-2013)
  PINS Date: Apr 9, 2021 | Public Review Date: Feb 18, 2022 | Final Action Date: Sep 22, 2022 | Approved

- ANSI/ISA 96.03.06-2017, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators  (new standard)
  PINS Date: May 13, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Jan 15, 2019 | Approved

ISANTA (International Staple, Nail and Tool Association)

8735 W. Higgins Road, Suite 300; c/o Association Management Center, Chicago, IL 60631

- ANSI SNT-101-2015, Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Tools  (new standard)
  PINS Date: Jul 10, 2009 | Public Review Date: Aug 31, 2012 | Final Action Date: Apr 7, 2015 | Approved

ISDI (ASC MH2) (Industrial Steel Drum Institute)

P.O. Box 8570, Alexandria, VA 22306-8570 | w: www.whysteeldrums.org

- ANSI ASC MH2-2018, Standard for Materials Handling (Containers) - Steel Drums and Pails  (new standard)
  PINS Date: Mar 31, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jan 15, 2019 | Approved

ISEA (International Safety Equipment Association)

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

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

- ANSI/ISEA 105-2016, Hand Protection Classification  (revision of ANSI/ISEA 105-2011)
  PINS Date: Jun 19, 2015 | Public Review Date: Oct 9, 2015 | Final Action Date: Jan 12, 2016 | Approved
## ISEA (International Safety Equipment Association)

  PINS Date: Jan 27, 2017 | Public Review Date: May 15, 2020 | Final Action Date: Sep 8, 2020 | Approved

- ANSI/ISEA 121-2018, Dropped Object Prevention Solutions  (new standard)  
  PINS Date: Dec 25, 2015 | Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved

- ANSI/ISEA 125-2021, Conformity Assesment of Safety and Personal Protective Equipment  (revision of ANSI/ISEA 125-2014)  
  PINS Date: May 25, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Jun 17, 2021 | Approved

- ANSI/ISEA 138-2019, Performance and Classification for Impact-Resistant Gloves  (new standard)  
  PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Feb 19, 2019 | Approved

- ANSI/ISEA 201-2019, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments  (revision of ANSI/ISEA 201-2012)  
  PINS Date: Jan 30, 2015 | Public Review Date: Jun 7, 2019 | Final Action Date: Aug 19, 2019 | Approved

  PINS Date: Nov 2, 2007 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/ISEA Z308.1-2021, Minimum Requirements for Workplace First Aid Kits and Supplies  (revision of ANSI/ISEA Z308.1-2015)  
  PINS Date: Dec 21, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Apr 15, 2022 | Approved

  Public Review Date: Apr 10, 2020 | Final Action Date: Oct 28, 2020 | Approved

- ANSI/ISEA Z89.1-2014 (R2019), Industrial Head Protection  (reaffirmation of ANSI/ISEA Z89.1-2014)  
  PINS Date: Jan 22, 2016 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 26, 2019 | Approved

## ISEA (ASC Z87) (International Safety Equipment Association)

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

- ANSI ISEA Z87.1-2020, Occupational and Education Personal Eye and Face Protection Devices  (revision of ANSI ISEA Z87.1-2015)  
  PINS Date: Jun 3, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Mar 11, 2020 | Approved

- ANSI ISEA Z87.62-2021, Occupational and Educational Eye and Face Protection Devices for Preventing Exposures Caused by Sprays or Spurts of Blood or Body Fluids  (new standard)  
  PINS Date: May 12, 2017 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 6, 2021 | Approved

## ISTA (International Safe Transit Association)

1400 Abbot Road, Suite 160, East Lansing, MI 48823 | w: www.ista.org

- ANSI/ISTA Procedure 3E-2017, Similar Packaged-Products in Unitized Loads for Truckload Shipment  (new standard)  
  PINS Date: May 27, 2016 | Public Review Date: Sep 23, 2016 | Final Action Date: Aug 16, 2017 | Approved

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

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

- INCITS 100-1989 [S2020], Interface Between DTE & DCE for Packet Mode Operation with Packet Switch Data Communications Networks (CCITT X.25)  (stabilized maintenance of INCITS 100-1989 (R2005))  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved
## ITI (INCITS) (InterNational Committee for Information Technology Standards)

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<td>INCITS 100a-1991 [S2020]</td>
<td>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>Approved</td>
<td>Feb 12, 2010</td>
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<td>INCITS 103-1983 [S2021]</td>
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<td>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>
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- INCITS 186-1992 [S2017], Information Systems - Fiber-Distributed Data Interface (FDDI) - Hybrid Ring Control (HRC) (stabilized maintenance of INCITS 186-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

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- INCITS 189-1991 [S2017], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Terminals Operating in the Packet Mode and Accessing a Packet-Switched Public Data Network Through Switched Access (stabilized maintenance of INCITS 189-1991 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

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

  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- INCITS 20-1967 [S2020], Take-up Reels for One Inch Perforated Tape for Information Interchange (stabilized maintenance of INCITS 20-1967 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 203-1992 [S2017], Information Systems - Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.81 mm (0.150 in) Digital Data Storage (DDS) Recorded Format) (stabilized maintenance of INCITS 203-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 204-1992 [S2017], Information Systems - Recorded Magnetic Tape for Information Interchange, 15 and 18 Track, 0.250-inch (6.35-mm) 10 000-bpi (394-bppmm) Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 204-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

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

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  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- INCITS 21-1967 [S2017], Rectangular Holes in Twelve-Row Punched Cards (stabilized maintenance of INCITS 21-1967 (R2002))
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- 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))
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- 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 ftpi), 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 bppm) (DLT3 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

- INCITS 270-1997 [S2022], Information Technology - Fibre distributed data interface (FDDI) - Physical Layer Repeater Protocol (PHY-REP) (stabilized maintenance of INCITS 270-1997 (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 bppm), DLT3 Format (stabilized maintenance of INCITS 282-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved
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- **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

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  - Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

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

- **INCITS 300-1997 [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

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- **INCITS 303-1998 [S2013]**, Fibre Channel Physical and Signaling Interface-3 (FC-PH-3) (stabilized maintenance of INCITS 303-1998 (R2008))
  - 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

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- INCITS 31-2009 [R2019], Information Technology - Codes for the Identification of Counties and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 31-2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 1, 2019 | Approved

- INCITS 310-1998 [S2018], Information technology - Representation of Time for Information Interchange (stabilized maintenance of INCITS 310:1998 [R2013])
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- INCITS 311:1998 [S2013], Magnetic Tape Format for Information Interchange, 128-Track, Parallel Serpentine, 12.65 mm (1/2 in), 3400 bппм (86 360 бпи) Run Length Limited Recording (stabilized maintenance of INCITS 311-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS 312:1998 [S2013], Magnetic Tape Cartridge 0.50 in (12.65 mm), Serial Serpentine, 112-Track, 81 600 bпи (3213 bппм), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

- INCITS 315:1998 [S2013], Unrecorded magnetic tape cartridge for information interchange, 12.65 mm (0.498in), 128-track, parallel serpentine, 2550 ftппм (64 770 ftпи) (stabilized maintenance of INCITS 315-1998 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

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

- INCITS 320:1998 [R2013], Information technology - Spatial Data Transfer (reaffirmation of INCITS 320-1998 (R2008))
  Public Review Date: Feb 15, 2013 | Final Action Date: Apr 11, 2013 | Approved

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  Public Review Date: Aug 12, 2016 | Final Action Date: Dec 1, 2016 | Approved

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- INCITS 328-2000 [S2015], Information Technology - 19 mm DD-2 Helical Scan Digital Computer Tape Cassette for Information Interchange (stabilized maintenance of INCITS 328:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 329-2000 [S2015], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm), Serial Serpentine, 208-Track, 85 940 bpi (3383 bpmm), DLT5 Format (stabilized maintenance of INCITS 329:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 330-2000 [S2015], Information technology - Reduced Block Commands (RBC) (stabilized maintenance of INCITS 330:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

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- INCITS 332-1999 [S2014], Information technology - Fibre Channel Arbitrated Loop (FC-AL-2) (stabilized maintenance of INCITS 332:1999 [R2009])
  Public Review Date: Jun 13, 2014 | Final Action Date: Dec 5, 2014 | Approved

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  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 334-2000 [S2015], Information Technology - Magnetic Tape Cartridge for Information Interchange - 0.50 in (12.65 mm), Serial Serpentine 128-Track, 62 500 BPI (2 460 BPMM) DLT 3-XT Format (stabilized maintenance of INCITS 334:2000 [R2010])
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved

- INCITS 335-2000 [R2020], Information technology - Small Computer System Interface (SCSI-3) Stream Commands (SSC) (reaffirmation of INCITS 335-2000 [R2015])
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- **INCITS 34-1972 [S2020]**, Interchange Rolls of Perforated Tape for Information Interchange  
  (stabilized maintenance of INCITS 34-1972 (R2005))
  
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | **Approved**

- **INCITS 341:2000 [S2015]**, Information technology - 25.4 mm (1 in) Type DCRsi Recorded Instrumentation - Digital Cartridge Tape Format  
  (stabilized maintenance of INCITS 341:2000 [R2010])
  
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | **Approved**

- **INCITS 344-2001 [S2021]**, Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format  
  (stabilized maintenance of INCITS 344-2001 (R2006))
  
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- **INCITS 345-2001 [S2021]**, Magnetic Tape Cartridge for Information Interchange, 0.5 in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format  
  (stabilized maintenance of INCITS 345-2001 (R2006))
  
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | **Approved**

- **INCITS 350-2003 [R2018]**, Information technology - SCSI Fibre Channel Protocol (FCP-2)  
  (reaffirmation of INCITS 350:2003 [R2013])
  
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- **INCITS 356-2002 [S2022]**, Information technology - Fibre Channel Audio-Video (FC-AV)  
  (stabilized maintenance of INCITS 356-2002 (R2007))
  
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | **Approved**

- **INCITS 357-2002 [S2022]**, Information technology - Fibre Channel Virtual Interface Architecture Mapping Protocol (FC-VI)  
  (stabilized maintenance of INCITS 357-2002 (R2007))
  
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | **Approved**

- **INCITS 358-2002 [R2022]**, Information technology - BioAPI Specification (Version 1.1)  
  (reaffirmation of INCITS 358-2002 [R2017])
  
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  (reaffirmation of INCITS 358-2002/AM 1-2007 [R2017])
  
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- **INCITS 359-2012 [R2022]**, Information technology - Role Based Access Control  
  (reaffirmation of INCITS 359-2012 [R2017])
  
  Public Review Date: May 13, 2022 | Final Action Date: Aug 29, 2022 | **Approved**

- **INCITS 360-2002 [S2017]**, Information Technology -SCSI Multimedia Commands - 3 (MMC-3)  
  (stabilized maintenance of INCITS 360:2002 [R2012])
  
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | **Approved**

- **INCITS 364:2003 [S2014]**, Information technology - Fibre Channel - 10 Gigabit (10GFC)  
  (stabilized maintenance of INCITS 364:2003 [R2008])
  
  Public Review Date: Nov 8, 2013 | Final Action Date: Jan 23, 2014 | **Approved**

- **INCITS 364:2003/AM1:2007 [S2017]**, Information technology - Fibre Channel - 10 Gigabit (10GFC/AM1) - Amendment 1  
  (stabilized maintenance of INCITS 364:2003/AM1:2007 [R2012])
  
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- 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])
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- INCITS 427-2007 [S2017], Information technology - Fibre Channel Generic Services-5 (FC-GS-5)  (stabilized maintenance of INCITS 427:2007 [R2012])
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- INCITS 431-2007 [R2022], Information technology - SCSI/ATA Translation (SAT)  (reaffirmation of INCITS 431-2007 [R2017])
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<td>INCITS 504-1-2013/AM1-2016</td>
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<td>Final Action Date: Aug 27, 2021</td>
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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

- **INCITS 511-2016 [R2021]**, Information Technology - Fibre Channel - Switch Fabric - 6 (FC-SW-6) (reaffirmation of INCITS 511-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- **INCITS 512-2015 [R2020]**, Information Technology - Fibre Channel - Physical Interface-6 (FC-PI-6) (reaffirmation of INCITS 512-2015)
  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | Approved

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- **INCITS 514-2014 [R2019]**, Information technology - SCSI Block Commands - 3 (SBC-3) (reaffirmation of INCITS 514-2014)
  - Public Review Date: Aug 2, 2019 | Final Action Date: Dec 10, 2019 | Approved

- **INCITS 515-2016 [R2021]**, Information technology - SCSI Architecture Model - 5 (SAM-5) (reaffirmation of INCITS 515-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- **INCITS 516-2013 [R2018]**, Information technology - SCSI Stream Commands (SSC-4) (reaffirmation of INCITS 516-2013)
  - Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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- **INCITS 518-2017 [R2022]**, Information technology - SCSI Enclosure Services - 3 (SES-3) (reaffirmation of INCITS 518-2017)
  - Public Review Date: May 13, 2022 | Final Action Date: Sep 1, 2022 | Approved

- **INCITS 519-2014 [R2019]**, Information technology - Serial Attached SCSI-3 (SAS-3) (reaffirmation of INCITS 519-2014)
  - Public Review Date: Aug 2, 2019 | Final Action Date: Dec 16, 2019 | Approved

- **INCITS 52-1976 [S2017]**, Unrecorded Single Disk Cartridge (Front Loading, 22000 BPI), General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 52-1976 (R2002)
  - Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- **INCITS 522-2014 [R2020]**, Information Technology - AT/ATAPI Command Set - 3 (ACS-3) (reaffirmation of INCITS 522-2014)
  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

- **INCITS 522-2014/AM 1-2018**, Information technology - AT/ATAPI Command Set - 3 (ACS-3) - Amendment 1 (supplement to INCITS 522-2014)
  - PINS Date: Mar 10, 2017 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **INCITS 524-2016 [R2021]**, Information Technology - AT Attachment 8 - AT/ATAPI Parallel Transport (ATA8-APT) (reaffirmation of INCITS 524-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 9, 2021 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

  PINS Date: Jun 3, 2011 | Public Review Date: Dec 1, 2017 | Final Action Date: Sep 6, 2018 | Approved

- INCITS 526:2016, Information technology - Next Generation Access Control - Generic Operations and Data Structures (NGAC-GOADS) (new standard)
  Public Review Date: Jun 19, 2015 | Final Action Date: Feb 17, 2016 | Approved

- INCITS 528-2013 [R2018], Information Technology - Common Building Blocks Specification (reaffirmation of INCITS 528-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 529-2018, Information technology - ATA/ATAPI Command Set - 4 (ACS-4) (new standard)
  PINS Date: Apr 19, 2013 | Public Review Date: Dec 1, 2017 | Final Action Date: Sep 21, 2018 | Approved

  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

- INCITS 530-2013 [R2018], Information Technology - Architecture for Managed Computing Systems (reaffirmation of INCITS 530-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 531-2013 [R2018], Information Technology - Systems Management Discovery for Managed Computer Systems (reaffirmation of INCITS 531-2013)
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS 532:2014 [R2019], Information Technology - Vocabulary Description and Management (reaffirmation of INCITS 532-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Oct 29, 2019 | Approved

- INCITS 533-2016 [R2021], Information Technology - Fibre Channel - Physical Interface - 6P (FC-PI-6P) (reaffirmation of INCITS 533-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- INCITS 534-2019, Information technology - Serial Attached SCSI - 4 (SAS-4) (new standard)
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- INCITS 536-2016 [R2021], Information technology – Zoned Block Commands (ZBC) (reaffirmation of INCITS 536-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 536-2016/AM 1-2019, Information technology - Zoned Block Commands - Amendment 1 (ZBC-AM 1) (addenda to INCITS 536-2016)
  PINS Date: Jun 8, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Feb 13, 2019 | Approved

- INCITS 537-2016 [R2021], Information technology Zoned Device ATA Command Set (ZAC) (reaffirmation of INCITS 537-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 9, 2021 | Approved

- INCITS 537-2016/AM 1-2019, Information technology - Zoned-device ATA Commands Amendment 1 (ZAC-AM 1) (addenda to INCITS 537-2016)
  PINS Date: Mar 23, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Sep 23, 2019 | Approved

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| 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 |
| INCITS 540-2018/AM 1-2019, Information technology - Fibre Channel - Non-Volatile Memory Express - Amendment 1  
(FC-NVMe-AM 1)  
(addenda to INCITS 540-2018)  
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)  
PINS Date: Apr 3, 2015 | Public Review Date: Aug 3, 2018 | Final Action Date: Apr 30, 2019 | Approved |
| INCITS 546-2021, Information technology - SCSI Architecture Model - 6 (SAM-6)  
(new standard)  
PINS Date: Jun 5, 2015 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 15, 2021 | Approved |
| INCITS 547-2020, Information technology - Fibre Channel - Switch Fabric - 7 (FC-SW-7)  
(new standard)  
PINS Date: Oct 30, 2015 | Public Review Date: May 24, 2019 | Final Action Date: Feb 24, 2020 | Approved |
| INCITS 548-2020, Information technology - Fibre Channel - Generic Services - 8 (FC-GS-8)  
(new standard)  
PINS Date: Oct 30, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 2, 2020 | Approved |
| INCITS 549-2022, Information technology - Zoned Device ATA Command Set - 2 (ZAC-2)  
(new standard)  
PINS Date: Apr 1, 2016 | Public Review Date: Jul 12, 2021 | Final Action Date: Dec 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 bpcm), Phase Encoded  
(stabilized maintenance of INCITS 55-1992 (R2002))  
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved |
| INCITS 551-2019, Information technology - SCSI RDMA Protocol - 2 (SRP-2)  
(new standard)  
PINS Date: Mar 25, 2016 | Public Review Date: Jul 12, 2019 | Final Action Date: Nov 7, 2019 | Approved |
| INCITS 553-2020, Information Technology - Fibre Channel - Link Services - 4 (FC-LS-4)  
(new standard)  
PINS Date: Jun 10, 2016 | Public Review Date: Oct 4, 2019 | Final Action Date: Sep 28, 2020 | Approved |
| INCITS 555-2020, Information technology - SCSI Enclosure Services - 4 (SES-4)  
(new standard)  
PINS Date: Mar 3, 2017 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 28, 2020 | Approved |
| INCITS 556-2020, Fibre Channel – Non-Volatile Memory Express - 2 (FC-NVMe - 2)  
(new standard)  
PINS Date: Feb 24, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: May 28, 2020 | Approved |
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- **INCITS 86-1980** [S2017], Inks, Optical Character Recognition (OCR)  (stabilized maintenance of INCITS 86-1980 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | **Approved**

- **INCITS 89-1981** [S2017], Unrecorded Single-Disk Double-Density Cartridge (Front Loading, 2200 BPI, 200 TPI), General, Physical, and Magnetic Requirements  (stabilized maintenance of INCITS 89-1981 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | **Approved**

- **INCITS 93M-1981** [S2017], Optical Character Recognition Positioning  (stabilized maintenance of INCITS 93M-1981 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | **Approved**

- **INCITS 94-1985** [S2017], Programming Aid to Numerically Controlled Manufacturing (PANCM)  (stabilized maintenance of INCITS 94-1985 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | **Approved**

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- **INCITS 99-1983** (S2017), Guideline for Optical Character Recognition (OCR) Print Quality  (stabilized maintenance of INCITS 99-1983 (R2002))  
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | **Approved**

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

- **INCITS/ISO 1860:1986** [S2015], Information processing - Precision reels for magnetic tape used in interchange instrumentation applications  (stabilized maintenance of INCITS/ISO/IEC 1860:1988 [R2010])  
  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | **Approved**

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- **INCITS/ISO 19103:2015** [R2022], Geographic information - Conceptual schema language  (reaffirmation of INCITS/ISO 19103:2015 [2017])  
  Public Review Date: May 13, 2022 | Final Action Date: Sep 1, 2022 | **Approved**

- **INCITS/ISO 19104:2016** [2018], Geographic information -- Terminology  (identical national adoption of ISO 19104:2016)  
  PINS Date: Aug 11, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Feb 28, 2018 | **Approved**

- **INCITS/ISO 19105:2000** [R2021], Geographic information — Conformance and testing  (reaffirm a national adoption INCITS/ISO 19105:2000 (R2016))  
  Public Review Date: Apr 9, 2021 | Final Action Date: Jul 12, 2021 | **Approved**

- **INCITS/ISO 19106:2004** [R2020], Geographic Information - Profiles  (reaffirm a national adoption INCITS/ISO 19106:2004 [R2015])  
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- INCITS/ISO 19108:2002 [R2018], Geographic information - Temporal schema  (reaffirm a national adoption INCITS/ISO 19108:2002 [R2013])
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  (reaffirm a national adoption INCITS/ISO 19108:2002/COR 1:2006 [R2015])
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  (identical national adoption of ISO 19115-1:2014/AM 1:2018)
  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved

- INCITS/ISO 19115-2:2019 [2019], Geographic information -- Metadata -- Part 2: Extensions for acquisition and processing
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- INCITS/ISO 19117:2012 [R2018], Geographic information -- Portrayal  (reaffirm a national adoption INCITS/ISO 19117:2012 [2013])
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- **INCITS/ISO 3275:1974 [R2089]**, Information processing -- Implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on 3,81 mm magnetic cassette for data interchange  (reaffirm a national adoption INCITS/ISO 3275:1974 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | **Approved**
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**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

- **INCITS/ISO 3561:1976 [S2020]**, Information processing -- Interchangeable magnetic six-disk pack -- Track format  
  (stabilized maintenance of INCITS/ISO 3561:1976 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO 3562:1976 [S2020]**, Information processing - Interchangeable magnetic single-disk cartridge (top loaded) - Physical and magnetic characteristics  
  (stabilized maintenance of INCITS/ISO 3562:1976 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO 3563:1976 [S2020]**, Information processing -- Interchangeable magnetic single-disk cartridge (top loaded) -- Track format  
  (stabilized maintenance of INCITS/ISO 3563:1976 [R2015])  
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- **INCITS/ISO 3564:1976 [S2020]**, Information processing -- Interchangeable magnetic eleven-disk pack -- Physical and magnetic characteristics  
  (stabilized maintenance of INCITS/ISO 3564:1976 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO 3692:1996 [S2020]**, Information processing -- Reels and cores for 25.4 mm (1 in) perforated paper tape for information interchange -- Dimensions  
  (stabilized maintenance of INCITS/ISO 3692:1996 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO 4337:1977 [S2020]**, Information processing -- Interchangeable magnetic twelve-disk pack (100 Mbytes)  
  (stabilized maintenance of INCITS/ISO 4337:1977 [R2015])  
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  (stabilized maintenance of INCITS/ISO 4341-1978 (R2002))  
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- **INCITS/ISO 5653:1980 [S2020]**, Information processing -- Interchangeable magnetic twelve-disk pack (200 Mbytes)  
  (stabilized maintenance of INCITS/ISO 5653:1980 [R2015])  
  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 ftprad, 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

- **INCITS/ISO 6586:1980 [R2018]**, Data processing -- Implementation of the ISO 7-bit and 8-bit coded character sets on punched cards  
  (reaffirm a national adoption INCITS/ISO 6586:1980 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- **INCITS/ISO 6596-1:1985 [S2020]**, Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using two-frequency recording at 7 958 ftprad, 1.9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical & magnetic characteristics  
  (stabilized maintenance of INCITS/ISO 6596-1:1985 [R2015])  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- **INCITS/ISO 6709:2008 [R2018]**, Standard representation of geographic point location by coordinates  
  (reaffirm a national adoption INCITS/ISO 6709:2008 [R2013])  
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  (reaffirm a national adoption INCITS/ISO 6709:2008/COR 1:2009 [R2015])  
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<td>Info processing-Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording, 13 262 fptrad, 1,9 tpmm (48 tpi), both sides-Part 1: Dimensional, physical &amp; magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015])</td>
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<td>INCITS/ISO 8630-1:1987 [S2020]</td>
<td>Info processing-Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 13 262 fptrad, on 80 tracks on each side-Part 1: Dimensional, physical &amp; magnetic characteristics (stabilized maintenance of INCITS/ISO 8630-1:1987 [R2015])</td>
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<td>INCITS/ISO 9542-1988 (R2017)</td>
<td>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))</td>
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- INCITS/ISO 962:1974 [R2018], Information Processing - Implementation of the 7-Bit Coded Character Set and its 7-Bit and 8-Bit Extensions on 9-Track 12,7 mm (0.5 in) Magnetic Tape (reaffirm a national adoption INCITS/ISO 962:1974 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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| INCITS/ISO/IEC 11179-3:2013 [R2019] | Information technology - Metadata registries (MDR) - Part 3: Registry metamodel and basic attributes | Approved
| INCITS/ISO/IEC 11319:1993 [S2016] | Information Technology - 8mm Wide Magnetic Tape Cartridges for Information Interchange - Helical Scan Recording | Approved
| INCITS/ISO/IEC 11557:1992 [S2020] | 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 | Approved
| INCITS/ISO/IEC 11572:2000 [S2012] | Information Communications and Information Exchange between systems - Private Integrated Services Network - Circuit mode bearer services - Inter-exchange signalling procedures and protocol | Approved
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- INCITS/ISO/IEC 12246:1993 [S2013], 8 mm wide magnetic tape cartridge dual azimuth format for information interchange - Helical Scan Recording (stabilized maintenance of INCITS/ISO/IEC 12246-1993 (S2008))
  Public Review Date: Jul 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12248:1993 [S2013], 3,81 mm wide magnetic tape cartridge for information interchange - Helical scan recording - DATA/DAT-DC format using 60m and 90 m length tapes (stabilized maintenance of INCITS/ISO/IEC 12248-1993 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12862:2011 [R2019], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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<td>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))</td>
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- 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))
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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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- **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])
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- INCITS/ISO/IEC 15895:1999 [S2020], Information technology -- Data interchange on 12,7 mm 128-track magnetic tape cartridges -- DLT 3-XT format (stabilized maintenance of INCITS/ISO/IEC 15895:1999 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO/IEC 15896:1999 [S2020], Information technology -- Data interchange on 12,7 mm 208-track magnetic tape cartridges -- DLT 5 format (stabilized maintenance of INCITS/ISO/IEC 15896:1999 [R2015])
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The data in this document is reported as of Monday, October 3, 2022

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INFORMATION COMMITTEE FOR INFORMATION TECHNOLOGY STANDARDS

INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 18: DIGITAL ITEM STREAMING

Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 19: MEDIA VALUE CHAIN ONTOLOGY

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INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 3: DIGITAL ITEM IDENTIFICATION

PINS Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 4: INTELLECTUAL PROPERTY MANAGEMENT AND PROTECTION COMPONENTS

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INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 5: RIGHTS EXPRESSION LANGUAGE

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INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 5: RIGHTS EXPRESSION LANGUAGE - AMENDMENT 1: MAM (MOBILE AND OPTICAL MEDIA) PROFILE

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INFORMATION TECHNOLOGY - MULTIMEDIA FRAMEWORK (MPEG-21) - PART 5: RIGHTS EXPRESSION LANGUAGE - AMENDMENT 2: DAC (DISSEMINATION AND CAPTURE) PROFILE

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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 22050-2002 [S2013]**, Information technology - Data interchange on 12,7 mm, 384-track magnetic tape cartridges - Ultrium-1 format (stabilized maintenance of INCITS/ISO/IEC 22050-2002 (R2008))
  - Public Review Date: Apr 5, 2013 | Final Action Date: Oct 3, 2013 | **Approved**

- **INCITS/ISO/IEC 22051:2002 [S2016]**, Information technology - Data interchange on 12,7 mm, 448-track magnetic tape cartridges - SDLT1 format (stabilized maintenance of INCITS/ISO/IEC 22051:2002 (R2008))
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- INCITS/ISO/IEC 23000-17:2018 [2021], Information technology - Multimedia application format (MPEG-A) - Part 17: Multiple sensorial media application format (identical national adoption of ISO/IEC 23000-17:2018)
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  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

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

  PINS Date: Jan 3, 2014 | Public Review Date: May 2, 2014 | Final Action Date: Sep 12, 2014 | Approved

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  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 9, 2020 | Approved

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

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  PINS Date: Feb 28, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 22, 2020 | Approved
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 22, 2019 | Approved

  Public Review Date: Feb 8, 2008 | Final Action Date: Jun 19, 2008 | Approved

ITSDF (Industrial Truck Standards Development Foundation, Inc.)

  PINS Date: Feb 15, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Mar 26, 2020 | Approved

- ANSI/ITSDF B56.10-2012 (R2019), Manually Propelled High Lift Industrial Trucks (reaffirmation of ANSI/ITSDF B56.10-2012)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Feb 7, 2019 | Approved

- ANSI/ITSDF B56.11.1-2012 (R2018), Double Race or Bi-Level Swivel and Rigid Industrial Casters (reaffirmation of ANSI/ITSDF B56.11.1-2012)
  PINS Date: Sep 22, 2017 | Public Review Date: Dec 15, 2017 | Final Action Date: Feb 16, 2018 | Approved

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

- ANSI/ITSDF B56.11.5-2014 (R2018), Measurement of Sound Emitted by Low Lift, High Lift, and Rough Terrain Powered Industrial Trucks (reaffirmation of ANSI/ITSDF B56.11.5-2014)
  PINS Date: Mar 23, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Dec 19, 2018 | Approved

- ANSI/ITSDF B56.11.6-2019, Evaluation of Visibility from Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.6-2005 (R2013))
  PINS Date: Mar 23, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Aug 6, 2019 | Approved

- ANSI/ITSDF B56.11.7-2020, Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting – Liquid Withdrawal – for Powered Industrial Trucks (revision of ANSI/ITSDF B56.11.7-2011)
  PINS Date: Nov 11, 2016 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

- ANSI/ITSDF B56.11.8-2019, Safety Standard for Seat Belt (Lap-Type) Anchorage Systems for Powered Industrial Trucks (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

  PINS Date: Mar 23, 2018 | Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved

- ANSI/ITSDF B56.5-2019, Safety Standard for Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles (revision of ANSI/ITSDF B56.5-2012)
  PINS Date: Sep 18, 2015 | Public Review Date: May 24, 2019 | Final Action Date: Aug 6, 2019 | Approved

- ANSI/ITSDF B56.6-2021, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6-2016)
  PINS Date: Feb 15, 2019 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 22, 2021 | Approved
## Approved American National Standards

### ITSDF (Industrial Truck Standards Development Foundation, Inc.)

- ANSI/ITSDF B56.8-2019, Safety Standard for Personnel and Burden Carriers (revision of ANSI/ITSDF B56.8-2011)  
  PINS Date: Sep 18, 2015 | Public Review Date: Nov 23, 2018 | Final Action Date: Apr 26, 2019 | Approved

  PINS Date: Mar 21, 2014 | Public Review Date: Nov 16, 2018 | Final Action Date: Mar 19, 2019 | Approved

### KCMA (Kitchen Cabinet Manufacturers Association)

  PINS Date: Apr 3, 2020 | Public Review Date: Jun 18, 2021 | Final Action Date: May 26, 2022 | Approved

### LEO (Leonardo Academy Inc.)

- ANSI/LEO 4000-2015, LEO-4000 American National Standard for Sustainable Agriculture (new standard)  
  PINS Date: Nov 28, 2008 | Public Review Date: Apr 3, 2015 | Final Action Date: Nov 3, 2015 | Approved

- ANSI/LEO 5000-2011, LEO 5000 - Standard for Emissions Inventories, Offsets and Reduction Credits (new standard)  
  PINS Date: Jun 23, 2006 | Public Review Date: Apr 22, 2011 | Final Action Date: Aug 9, 2011 | Approved

- ANSI/LEO 8000-2011, Standard for Sustainable Electronic Gaming Machines (new standard)  
  PINS Date: Nov 14, 2008 | Public Review Date: Apr 1, 2011 | Final Action Date: Jul 15, 2011 | Approved

### LES (Licensing Executives Society (U.S. and Canada))

  PINS Date: Jan 19, 2018 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 15, 2022 | Approved

  PINS Date: Dec 15, 2017 | Public Review Date: Apr 16, 2021 | Final Action Date: Sep 12, 2022 | Approved

### LIA (ASC Z136) (Laser Institute of America)

  PINS Date: Apr 11, 2014 | Public Review Date: Nov 26, 2021 | Final Action Date: Aug 3, 2022 | Approved

  PINS Date: Aug 31, 2007 | Public Review Date: May 4, 2012 | Final Action Date: Dec 19, 2012 | Approved

- ANSI Z136.3-2018, Standard for Safe Use of Lasers in Health Care (revision of ANSI Z136.3-2011)  
  PINS Date: Dec 21, 2012 | Public Review Date: Jul 7, 2017 | Final Action Date: May 25, 2018 | Approved

- 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
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<td>ANSI MH29.1-2020</td>
<td>Safety Requirements for Industrial Scissors Lifts</td>
<td>Dec 22, 2017</td>
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<td>ANSI MH29.2-2020</td>
<td>Safety Requirements for Industrial Tilters</td>
<td>Jul 27, 2018</td>
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MHI (Material Handling Industry)

- 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

PINS Date: Oct 12, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Aug 11, 2015 | Approved

PINS Date: Oct 12, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Aug 11, 2015 | 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

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PINS Date: Jun 16, 2017 | Public Review Date: Aug 4, 2017 | Final Action Date: Jun 11, 2018 | Approved

MHI (ASC MHC) (Material Handling Industry)

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

- 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

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- 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

- 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
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<td>ANSI/MTConnect MTConnect Standard V1.4</td>
<td>May 25, 2018</td>
<td>Jul 13, 2018</td>
<td>Dec 7, 2018</td>
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<td>ANSI/NAAMM HMMA 801-2012 (R2018), Glossary of Terms for Hollow Metal Doors and Frames</td>
<td>May 5, 2017</td>
<td>May 4, 2018</td>
<td>Jun 29, 2018</td>
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NAAMM (National Association of Architectural Metal Manufacturers)

- ANSI/NAAMM HMMA 841-2013 (R2019), Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 841-2013)
  PINS Date: Mar 23, 2018 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

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  PINS Date: Nov 19, 2010 | Public Review Date: Jun 7, 2013 | Final Action Date: Aug 5, 2013 | Approved

  PINS Date: Nov 19, 2010 | Public Review Date: May 9, 2014 | Final Action Date: Sep 15, 2014 | Approved

  PINS Date: Nov 19, 2010 | Public Review Date: Nov 16, 2012 | Final Action Date: Feb 27, 2013 | Approved

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  PINS Date: May 9, 2014 | Public Review Date: Apr 29, 2016 | Final Action Date: Sep 7, 2017 | Approved

  PINS Date: May 9, 2014 | Public Review Date: Mar 15, 2019 | Final Action Date: Jun 3, 2019 | Approved

- ANSI/NAAMM MBG 533-2021, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (new standard)
  PINS Date: May 9, 2014 | Public Review Date: Mar 5, 2021 | Final Action Date: Aug 23, 2021 | Approved

- ANSI/NAAMM MBG 534-2014, Metal Bar Grating Engineering Design Manual (new standard)
  PINS Date: Nov 19, 2010 | Public Review Date: Feb 1, 2013 | Final Action Date: Sep 30, 2014 | Approved

NALFA (North American Laminate Flooring Association)

  PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved

- ANSI/NALFA LF-02-2019, Sustainability Assessment of Laminate Flooring (revision of ANSI/NALFA LF-02-2010)
  PINS Date: Aug 25, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Jun 21, 2019 | Approved

- 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
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<td>NASBLA</td>
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<td>NASPO</td>
<td>ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity (new standard) PINS Date: Mar 24, 2017</td>
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<td>NASPO</td>
<td>ANSI/NASPO SD 01-2014, Minimum security requirements for security documents (new standard) PINS Date: Nov 11, 2011</td>
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<td>NCMA</td>
<td>ANSI/NCMA ASD 1-2019 (R2022), Contract Management Standard (reaffirmation of ANSI/NCMA ASD 1-2019) PINS Date: Dec 3, 2021</td>
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NCPDP (National Council for Prescription Drug Programs)

9240 East Raintree Drive, Scottsdale, AZ  85260 | w: www.ncpdp.org

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

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

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Aug 13, 2018 | Approved

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

  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

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## Approved American National Standards

### NCPDP (National Council for Prescription Drug Programs)

  
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- **ANSI/NCPDP BUS v4.0-2020, NCPDP Billing Unit Standard v4.0** (revision and redesignation of ANSI/NCPDP BUS v3.1)
  
  PINS Date: Jul 24, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

- **ANSI/NCPDP FB v4.1-2013, NCPDP Formulary and Benefit Standard v4.1-201x** (revision and redesignation of ANSI/NCPDP FB v4.0-2013)
  
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved

- **ANSI/NCPDP FB v4.2-2014, NCPDP Formulary and Benefit Standard v4.2-201x** (revision and redesignation of ANSI/NCPDP FB v4.1-2013)
  
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- **ANSI/NCPDP FB v4.3-2015, NCPDP Formulary and Benefit Standard v4.3** (revision and redesignation of ANSI/NCPDP FB v4.2-2014)
  
  Public Review Date: Sep 5, 2014 | Final Action Date: Jan 21, 2015 | Approved

- **ANSI/NCPDP FB v4.4-2015, NCPDP Formulary and Benefit Standard v44** (revision and redesignation of ANSI/NCPDP FB v4.3-2015)
  
  Public Review Date: Feb 27, 2015 | Final Action Date: Dec 9, 2015 | Approved

  
  Public Review Date: Mar 4, 2016 | Final Action Date: Nov 8, 2016 | Approved

- **ANSI/NCPDP FB v51-2017, NCPDP Formulary and Benefit Standard v51** (revision and redesignation of ANSI/NCPDP FB v50-2016)
  
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  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

  
  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

- **ANSI/NCPDP FB v54-2021, NCPDP Formulary and Benefit Standard v54** (revision and redesignation of ANSI/NCPDP FB v53-2019)
  
  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

- **ANSI/NCPDP FB v55-2022, NCPDP Formulary and Benefit Standard v55** (revision and redesignation of ANSI/NCPDP FB v54-2021)
  
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  Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | Approved

  
  Public Review Date: Mar 10, 2017 | Final Action Date: Jul 28, 2017 | Approved
NCPDP (National Council for Prescription Drug Programs)

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  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 Data Submission Implementation Guide v02.02-2014 (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)
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- ANSI/NCPDP MR v07.01-2014, NCPDP Medical Rebate Data Submission Standard v07.01-2014 (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

  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 22, 2016 | Approved

  Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved

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NCPDP (National Council for Prescription Drug Programs)

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

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  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

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  Public Review Date: Oct 5, 2018 | Final Action Date: Jan 29, 2019 | Approved

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved
# NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | **Approved**

- **ANSI/NCPDP Product Identifier v1.0-2014, NCPDP Product Identifier Standard v1.0**  (new standard)
  PINS Date: Mar 15, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | **Approved**

  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 31, 2015 | **Approved**

  Public Review Date: Sep 11, 2015 | Final Action Date: Feb 29, 2016 | **Approved**

  Public Review Date: Sep 2, 2016 | Final Action Date: Jan 31, 2017 | **Approved**

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

  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | **Approved**

- **ANSI/NCPDP Product Identifier v1.6-2021, NCPDP Product Identifier Standard v1.6**  (revision and redesignation of ANSI/NCPDP Product Identifier v1.5-2019)
  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | **Approved**

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

  Public Review Date: Sep 14, 2018 | Final Action Date: Dec 18, 2018 | **Approved**

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | **Approved**

  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | **Approved**

  Public Review Date: Jun 11, 2021 | Final Action Date: Sep 27, 2021 | **Approved**

  Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | **Approved**

  PINS Date: Apr 15, 2016 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | **Approved**
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  Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

  Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

- ANSI/NCPDP SC Standard v2021011-2020, NCPDP SCRIPT Standard v2021011 (revision and redesignation of ANSI/NCPDP SC v2020101)
  Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

- ANSI/NCPDP SC v2022071-2022, NCPDP SC v2022071 (revision and redesignation of ANSI/NCPDP SC Standard v2022011-2021)
  Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

- ANSI/NCPDP SCRIPT 2015041-2015, NCPDP SCRIPT Standard 2015041 (revision and redesignation of BSR/NCPDP SC WG110060201xxx#)
  Public Review Date: Sep 5, 2014 | Final Action Date: May 19, 2015 | Approved

  Public Review Date: Oct 18, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/NCPDP Specialized Standard 20130401-2013, NCPDP Specialized Standard 20130401 (revision of BSR/NCPDP Specialized Standard MC000005201xxx#, NCPDP Specialized, Standard 201xxx# (revision and redesignation of ANSI/NCPDP Specialized, Standard WG110051201xxx#))
  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP Specialized Standard 2013071-2013, Ncpdp Specialized Standard 2013071 (revision and redesignation of BSR/NCPDP Specialized Standard MC000005201xxx#)
  Public Review Date: Mar 8, 2013 | Final Action Date: Sep 17, 2013 | Approved

- ANSI/NCPDP Specialized Standard 2013101-2013, NCPDP Specialized Standard 2013101 (revision of NCPDP Specialized Standard WG110053201xxx#)
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved

  Public Review Date: Oct 18, 2013 | Final Action Date: May 30, 2014 | Approved

- ANSI/NCPDP Specialized Standard 2014072-2014, NCPDP Specialized Standard 2014072 (revision and redesignation of NCPDP Specialized Standard WG110057201xxx#)
  Public Review Date: Dec 6, 2013 | Final Action Date: Jul 17, 2014 | Approved

- ANSI/NCPDP Specialized Standard 2014101-2014, NCPDP Specialized Standard 2014101 (revision and redesignation of NCPDP Specialized Standard WG110060201xxx#)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved
NCPDP (National Council for Prescription Drug Programs)

- 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

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  Public Review Date: Sep 8, 2017 | Final Action Date: May 9, 2018 | Approved

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

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<td>NCPDP Specialty Pharmacy Data Reporting Standard v10 (new standard)</td>
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<td>ANSI/NCPDP State Medicaid Provider File Standard v10-2019</td>
<td>NCPDP State Medicaid Provider File Standard v10 (new standard)</td>
<td>PINS Date: Apr 26, 2019</td>
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<td>ANSI/NCPDP TC vE.1-2013</td>
<td>NCPDP Telecommunication Standard vE.1-201x (revision and redesignation of ANSI/NCPDP TC vE.0-2013)</td>
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- 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

  - 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

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  - 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)
  - Public Review Date: Sep 10, 2021 | Final Action Date: Dec 2, 2021 | Approved

  - Public Review Date: Mar 11, 2022 | Final Action Date: May 19, 2022 | Approved

  - Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

  - Public Review Date: Sep 2, 2016 | Final Action Date: Apr 4, 2017 | Approved
NCPDP (National Council for Prescription Drug Programs)

  Public Review Date: Mar 10, 2017 | Final Action Date: Oct 31, 2017 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Jul 20, 2018 | Approved

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  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 18, 2013 | Approved

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

  PINS Date: Jun 29, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 1, 2019 | Approved

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

  PINS Date: Jul 26, 2019 | Public Review Date: Apr 17, 2020 | Final Action Date: Jul 24, 2020 | Approved
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<td>ANSI/NECA/NACMA 120-2018</td>
<td>Standard for Installing Armored Cable (Type AC) and Type Metal-Clad (MC) Cable (revision of ANSI/NECA 120-2012)</td>
<td>Nov 10, 2017</td>
<td>Apr 20, 2018</td>
<td>Jun 28, 2018</td>
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NECA (National Electrical Contractors Association)

- ANSI/NECA/NCSCB 600-2014 (R2020), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation and redesignation of ANSI/NECA 600-2014)
  PINS Date: Mar 15, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jan 9, 2020 | Approved

- ANSI/NECA/NEMA 105-2015, Standard for Installing Metal Cable Tray Systems (revision of ANSI/NECA/NEMA 105-2007)
  PINS Date: Feb 20, 2015 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 21, 2015 | Approved

NEMA (National Electrical Manufacturers Association)

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

- ANSI/NEMA 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

  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 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
### NEMA (National Electrical Manufacturers Association)

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<td>ANSI/NEMA 62321-1-2015</td>
<td>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)</td>
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<td>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)</td>
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<td>ANSI/NEMA 62321-8-2017</td>
<td>Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)  (identical national adoption of IEC 62321-8:2017)</td>
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<td>ANSI/NEMA 62430-2010</td>
<td>ENVIRONMENTAL CONSCIOUS DESIGN FOR ELECTRICAL AND ELECTRONIC PRODUCTS  (identical national adoption of IEC 62430)</td>
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<td>PINS Date: Mar 26, 2010</td>
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<td>ANSI/NEMA 62430-2019</td>
<td>Environmentally conscious design (ECD) - Principles, requirements and guidance  (identical national adoption of IEC 62430:2019)</td>
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<td>ANSI/NEMA 62474-2018</td>
<td>Material declaration for products of and for the electrotechnical industry  (identical national adoption of IEC 62474:2018)</td>
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<td>Molded Case Circuit Breakers and Their Application  (new standard)</td>
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<td>ANSI/NEMA FB-1-2014</td>
<td>Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing and Cable  (revision of ANSI/NEMA FB-1-2012)</td>
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<td>Manufacturer Disclosure Statement for Medical Device Security  (new standard)</td>
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<td>Industrial Laminating Thermosetting Products  (new standard)</td>
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<td>Relative Temperature Indices of Industrial Thermosetting Laminates Standard  (new standard)</td>
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<td>Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports  (reaffirmation of ANSI/NEMA OS 1-2014)</td>
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<td>Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports  (reaffirmation of ANSI/NEMA OS 2-2014)</td>
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<td>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)</td>
<td>Public Review Date: Mar 29, 2013</td>
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<td>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)</td>
<td>PINS Date: Jul 13, 2012</td>
<td>Public Review Date: Mar 29, 2013</td>
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<td>ANSI/NEMA SM 31000-1 2021, Electrical Submeter - General Requirements (new standard)</td>
<td>PINS Date: Sep 9, 2016</td>
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<td>ANSI/NEMA SM 31000-7-2021, Electrical Submeter - Current Sensor Accuracy (new standard)</td>
<td>PINS Date: Dec 18, 2020</td>
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<td>ANSI/NEMA WD6-2022, Wiring Devices - Dimensional Specifications (revision of ANSI/NEMA WD6-2016)</td>
<td>PINS Date: Apr 23, 2021</td>
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NEMA (ASC C119) (National Electrical Manufacturers Association)

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

- ANSI C119.4-2022, Electric Connectors—Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper 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 |
# Approved American National Standards

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## NEMA (ASC C119) (National Electrical Manufacturers Association)

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## NEMA (ASC C12) (National Electrical Manufacturers Association)

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

- ANSI 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

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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)
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  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 C12.32-2021, Electricity Meters for the Measurement of DC Energy  (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 4, 2021 | Approved

- ANSI C12.6-1987 (R2016), Phase-Shifting Devices Used In Metering, Marking and Arrangement of Terminals  (reaffirmation of ANSI C12.6-1987 (R2011))
  PINS Date: Jun 10, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Jan 12, 2017 | Approved

- ANSI C12.7-2005 (R2014), Requirements for Watthour Meter Sockets  (reaffirmation of ANSI C12.7-2005)
  PINS Date: Aug 3, 2012 | Public Review Date: Feb 1, 2013 | Final Action Date: Aug 14, 2014 | Approved

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- 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
NEMA (ASC C12) (National Electrical Manufacturers Association)

- 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

- 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)
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NEMA (ASC C136) (National Electrical Manufacturers Association)

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

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- 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)
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- 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

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NEMA (ASC C136) (National Electrical Manufacturers Association)

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- ANSI C136.24-2020, For Roadway and Area Lighting Equipment - Nonlocking (Button) Type Photocontrols (revision of ANSI C136.24-2005 (R2010))
  PINS Date: Jul 11, 2014 | Public Review Date: Jan 17, 2020 | Final Action Date: Feb 24, 2020 | Approved

- ANSI C136.25-2019, Ingress Protection (Resistance to Dust, Solid Objects, and Moisture) for Luminaire Enclosures (revision of ANSI C136.25-2013)
  PINS Date: Dec 28, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Dec 9, 2019 | Approved

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- ANSI C136.27-2021, for Roadway and Area Lighting EquipmentTunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012)
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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 EquipmentLuminaire 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
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<td>ANSI C136.41-2021, Standard For Roadway and Area Lighting EquipmentDimming Control Between an External Locking Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2013)</td>
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<td>ANSI C136.5-1989 (S2019), Film Cutouts (stabilized maintenance of ANSI C136.5-1989 (R2013))</td>
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<td>Jan 29, 2019</td>
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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)
  PINS Date: Jul 6, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 9, 2019 | Approved

- ANSI C136.6-2004 (S2022), for Roadway and Area Lighting Equipment - Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability (stabilized maintenance of ANSI C136.6-2004 (R2018))
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NEMA (ASC C137) (National Electrical Manufacturers Association)

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

- ANSI C137.2-2019, Standard for Lighting Systems - Cybersecurity Requirements for Lighting Systems for Parking Facilities (new standard)
  PINS Date: Sep 16, 2016 | Public Review Date: Mar 23, 2018 | Final Action Date: Feb 15, 2019 | Approved

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  PINS Date: Jul 12, 2019 | Public Review Date: Jun 19, 2020 | Final Action Date: Oct 22, 2020 | Approved

- ANSI/C137.0-2022, Standard for Lighting Systems Terms and Definitions (revision of ANSI C137.0-2017)
  PINS Date: Jul 12, 2019 | Public Review Date: Dec 24, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI/C137.1-2022, 0-10V Dimming Interface for LED Drivers, Fluorescent Ballasts, and Controls (revision of ANSI/C137.1-2019)
  PINS Date: May 14, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI/C137.4-2021, Standard for Digital Interface with Auxiliary Power for Devices (revision of ANSI C137.4-2019)
  PINS Date: Feb 14, 2020 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 11, 2021 | Approved

- ANSI/C137.5-2021, Energy Reporting Requirements for Lighting Devices (new standard)
  PINS Date: Mar 1, 2019 | Public Review Date: Dec 4, 2020 | Final Action Date: Mar 4, 2021 | Approved

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

- ANSI/C137.63103-2021, Standard for Lighting Systems Non-Active Mode Power Measurement (national adoption with modifications of IEC 63103, ed1.0 (2020-07))
  PINS Date: Oct 2, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Dec 13, 2021 | Approved

NEMA (ASC C18) (National Electrical Manufacturers Association)

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

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NEMA (ASC C18) (National Electrical Manufacturers Association)

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  PINS Date: Jul 22, 2016 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 5, 2019 | Approved

  PINS Date: Apr 1, 2016 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 20, 2020 | Approved

- ANSI C18.4M-2017, Standard for Portable Cells and Batteries Environmental (revision of ANSI C18.4-2015)  
  PINS Date: Apr 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI C18.5M Part 1-2020, Standard for Portable Lithium Rechargeable Cells and Batteries - General and Specifications (revision and partition of ANSI C18.2M, Part 1-2013)  
  PINS Date: Nov 3, 2017 | Public Review Date: Nov 22, 2019 | Final Action Date: Jul 24, 2020 | Approved

NEMA (ASC C29) (National Electrical Manufacturers Association)

  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Jan 8, 2018 | Approved

  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

- ANSI C29.11-2020, Composite Insulators Test Methods (revision of ANSI C29.11-2012)  
  PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: May 5, 2020 | Approved

- ANSI C29.12-2020, Composite Insulators Transmission Suspension Type (revision of ANSI C29.12-2013)  
  PINS Date: Mar 22, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.13-2018, Composite Insulators Distribution Deadend Type (revision of ANSI C29.13-2012)  
  PINS Date: Feb 2, 2018 | Public Review Date: Apr 6, 2018 | Final Action Date: Nov 29, 2018 | Approved

- ANSI C29.17-2013, Standard for Insulators-Composite-Line Post Type (new standard)  
  PINS Date: Jul 27, 2012 | Public Review Date: Sep 14, 2012 | Final Action Date: Oct 3, 2013 | Approved

- ANSI C29.18-2013, Standard for Composite Insulators -Distribution Line Post Type (revision of ANSI C29.18-2003)  
  PINS Date: Aug 3, 2012 | Public Review Date: Sep 21, 2012 | Final Action Date: May 28, 2013 | Approved

- ANSI C29.19-2020, Composite Insulators Station Post Type (new standard)  
  PINS Date: Feb 2, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.2A-2020, Wet Process Porcelain and Toughened Glass Distribution Suspension Type (revision of ANSI C29.2A-2013)  
  Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.2B-2013, Standard for Insulators - Wet Process Porcelain and Toughened Glass - Transmission Suspension Type (new standard)  
  PINS Date: Mar 8, 2013 | Public Review Date: Apr 5, 2013 | Final Action Date: May 30, 2013 | Approved
NEMA (ASC C29) (National Electrical Manufacturers Association)

- ANSI C29.8-2017, Wet Process Porcelain Insulators - Apparatus, Cap and Pin Type (revision of ANSI C29.8-1985 (R2012))
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Sep 19, 2017 | Approved

- ANSI/NEMA C29.3-2015 (R2022), Wet Process Porcelain Insulators Spool Type (reaffirmation of ANSI/NEMA C29.3-2015)
  PINS Date: Dec 24, 2021 | Public Review Date: Mar 4, 2022 | Final Action Date: Jun 2, 2022 | Approved

- ANSI/NEMA C29.4-2015, Standard for Wet Process Porcelain Insulators-Strain Type (revision and redesignation of ANSI C29.4-1989 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.5-2015, Standard for Wet Process Porcelain Insulators - Low and Medium Voltage Types (revision and redesignation of ANSI C29.5-1984 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.6-2015, Standard for Wet Process Porcelain Insulators - High Voltage Pin Type (revision and redesignation of ANSI C29.6-1996 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.7-2015, Standard for Wet Process Porcelain Insulators - High-Voltage Line Post Type (revision and redesignation of ANSI C29.7-1996 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 31, 2015 | Approved

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA  22209 | w: www.nema.org

- ANSI C37.50-2018, Low-Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2012)
  PINS Date: Jul 3, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Mar 29, 2018 | Approved

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- ANSI C37.54-2003 (R2020), Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed SwitchgearConformance Test Procedures (reaffirmation of ANSI C37.54-2003 (R2010))
  PINS Date: Feb 28, 2020 | Public Review Date: May 29, 2020 | Final Action Date: Sep 17, 2020 | Approved

- ANSI C37.55-2020, Standard for Switchgear Medium Voltage Metal-Clad Assemblies Conformance Test Procedures (revision of ANSI C37.55-2003 (R2010))
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<td>Standard For Electric Lamps-Microfilm Projection Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Lamps with GX5.3 Bases</td>
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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))
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  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 LampsCautionary 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))
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<tr>
<td>ANSI C78.30-1997 (S2018), Standard for electric lamps: Procedure for Use in Preparation of Lamp Space Drawings</td>
<td>(stabilized maintenance of ANSI C78.30-1997 (R2011))</td>
<td>Feb 9, 2018</td>
<td>Jun 8, 2018</td>
<td>Approved</td>
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<td>ANSI C78.376-2014 (R2021), For electric lamps: Specifications for the Chromaticity of Fluorescent Lamps</td>
<td>(reaffirmation of ANSI C78.376-2014)</td>
<td>May 29, 2020</td>
<td>May 6, 2021</td>
<td>Approved</td>
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<td>ANSI C78.380-2016 (R2022), For Electric Lamps: High-Intensity Discharge Lamps, Method of Designation</td>
<td>(reaffirmation of ANSI C78.380-2016)</td>
<td>Jul 9, 2021</td>
<td>Apr 5, 2022</td>
<td>Approved</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

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- 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
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- ANSI C78.60432.2-2004 (S2018), Standard for electric lamps--Incandescent LampsSafety Specifications--Part 2 : Tungsten Halogen Lamps for Domestic and Similar General Lighting Purposes (stabilized maintenance of ANSI C78.60432.2-2004 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.60432.3-2007 (S2018), Standard for electric lamps--Incandescent LampsSafety Specifications--Part 3 : Tungsten halogen lamps (non-vehicle) (stabilized maintenance of ANSI C78.60432.3-2007 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.62035-2016 (R2022), For Electric Lamps—Discharge Lamps (Excluding Fluorescent Lamps)—Safety Specifications (reaffirmation of ANSI C78.62035-2016)
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 19, 2022 | Approved

  PINS Date: Jun 30, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Apr 25, 2018 | Approved

- ANSI C78.62717-2018, Standard for Electric Lamps--LED modules for general lighting Performance Requirements (new standard)
  PINS Date: Jun 30, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Apr 25, 2018 | Approved

- ANSI C78.682-1997 (S2022), For Electric Lamps—Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps (stabilized maintenance of ANSI C78.682-1997 (R2016))
  Public Review Date: Jul 9, 2021 | Final Action Date: Apr 12, 2022 | Approved

- ANSI C78.79-2014 (R2020), ANSI for Electric Lamps - Nomenclature for Envelope Shapes Intended for use with Electric Lamps (reaffirmation of ANSI C78.79-2014)
  Public Review Date: Jul 12, 2019 | Final Action Date: Jan 17, 2020 | Approved

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

- ANSI C78.901-2016 (R2022), For Electric Lamps—Single-Based Fluorescent Lamps—Dimensional and Electrical Characteristics (reaffirmation of ANSI C78.901-2016)
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- ANSI C78.LL3-2003 (S2020), For Electric Lamps — Procedures for High Intensity Discharge Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL3-2003 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.4-2003 (S2018), Standard for Electric Lamps--Procedures for Incandescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.4-2003 (R2011))
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NEMA (ASC C8) (National Electrical Manufacturers Association)

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

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- ANSI ICEA P-124-736-2021, Code Words for 600V Underground Distribution Cable (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-127-737-2021, Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables (new standard)
  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))
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NEMA (ASC C8) (National Electrical Manufacturers Association)

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- ANSI ICEA S-112-718-2021, Standard for Optical Fiber Cable for Placement in Sewer Environments  (revision of ANSI/ICEA S-112-718-2013)
  PINS Date: Apr 26, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Apr 15, 2021 | Approved

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- ANSI ICEA S-118-746-2021, Standard for Category 8, 100 Ohm, Indoor Cables for use in LAN Communication Wiring Systems  (new standard)
  PINS Date: Jun 4, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Dec 7, 2021 | Approved

- ANSI ICEA S-119-741-2021, Standard For Fiber To The Antenna (FTTA) Optical Fiber Cable  (revision of ANSI/ICEA S
  -119-741-2016)
  PINS Date: Mar 12, 2021 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI ICEA S-120-742-2021, Hybrid Optical Fiber And Power Cable For Use In Limited Power Circuits  (revision of
  ANSI/ICEA S-120-742-2016)
  PINS Date: Jul 5, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

- ANSI ICEA S-122-744-2022, Standard For Optical Fiber Outside Plant Microduct Cables  (revision of ANSI ICEA S-122 -744-2016)
  PINS Date: Jan 28, 2022 | Public Review Date: Mar 25, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI ICEA S-130-760-2021, ICEA Standard For Broadband Twisted Pair Cable Filled And Unfilled, Polyolefin Insulated, Copper Conductor  (new standard)
  PINS Date: Mar 5, 2021 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 22, 2021 | Approved

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- ANSI ICEA S-83-596-2022, Standard for Indoor Optical Cable  (revision of ANSI/ICEA S-83-596-2016)
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  Public Review Date: Apr 26, 2019 | Final Action Date: Aug 29, 2019 | Approved

- ANSI ICEA S-90-661-2021, Standard For Category 3 And 5E Individually Unshielded Twisted Pairs, Indoor Cables (With Or Without An Overall Shield) For Use In General Purpose And Lan Communication Wiring Systems  (revision of ANSI/ICEA S-90-661-2012)
  PINS Date: Nov 8, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 10, 2021 | Approved

- ANSI ICEA S-91-674-2021, Coaxial And Coaxial/Twisted Pair Hybrid Buried Service Wires Technical Requirements  (revision of ANSI ICEA S-91-674-2011)
  PINS Date: Dec 16, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Aug 10, 2021 | Approved
### NEMA (ASC C8) (National Electrical Manufacturers Association)

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- **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: May 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)
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- **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

  - PINS Date: Jun 18, 2021 | Public Review Date: Aug 6, 2021 | Final Action Date: Dec 6, 2021 | Approved

  - PINS Date: Dec 19, 2014 | Public Review Date: Mar 12, 2021 | Final Action Date: Apr 27, 2021 | Approved

  - PINS Date: Jan 28, 2022 | Public Review Date: Jul 8, 2022 | Final Action Date: Aug 29, 2022 | Approved
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<td>ANSI NEMA WC 75-2022</td>
<td>Standard for Controlled Impedance in Internal Electrical Cable (revision of ANSI/NEMA WC 75-2015)</td>
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<td>Standard for Controlled Impedance Shielded Twisted Pairs in Internal Electrical Cable (new standard)</td>
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<td>Final Action Date: Sep 20, 2018</td>
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<td>ANSI/ICEA S-113-684-2016</td>
<td>PERFORMANCE BASED STANDARD FOR ELECTRIC UTILITY EXTRUDED DIELECTRIC SHIELDED POWER CABLES RATED 5 THROUGH 46 KV (new standard)</td>
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<td>Public Review Date: Jul 3, 2015</td>
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<td>ANSI/ICEA P-45-482-2017</td>
<td>Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable (new standard)</td>
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<td>PINS Date: Sep 9, 2016</td>
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## Approved American National Standards

### NEMA (ASC C8) (National Electrical Manufacturers Association)

  
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- **ANSI/NEMA HP 3-2021**, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts)  (revision of ANSI/NEMA HP 3-2011)
  
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- **ANSI/NEMA HP 9-2014 (R2021)**, Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V)  (reaffirmation of ANSI/NEMA HP 9 -2014)
  
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**NEMA (ASC C80) (National Electrical Manufacturers Association)**

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- **ANSI C80.1-2020**, Electric Rigid Steel Conduit  (revision of ANSI C80.1-2015)
  
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NEMA (ASC C80) (National Electrical Manufacturers Association)

- ANSI C80.3-2020, Electrical Metallic TubingSteel (EMT-S) (revision of ANSI C80.3-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved

- ANSI C80.5-2020, Electrical Rigid Metal ConduitAluminum (ERMC-A) (revision of ANSI C80.5-2015)
  PINS Date: May 3, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Dec 29, 2020 | Approved

- ANSI C80.6-2018, Electrical Intermediate Metal Conduit (new standard)
  PINS Date: Jun 12, 2009 | Public Review Date: Mar 16, 2018 | Final Action Date: Jun 7, 2018 | Approved

NEMA (ASC C81) (National Electrical Manufacturers Association)

- ANSI C81.61-2019, Standard for Electrical Lamp Bases Specifications for Bases (Caps) for Electric Lamps (revision of ANSI C81.61-2017)
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  PINS Date: Jun 30, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: Mar 22, 2019 | Approved

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- 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))
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NEMA (ASC C82) (National Electrical Manufacturers Association)

- 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)
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- 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)
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- ANSI C82.17-2017 (R2022), For Lighting Equipment: High Frequency (HF) Electronic Ballasts For Metal Halide Lamps (reaffirmation of ANSI C82.17-2017)
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NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.18-2022, For Light Emitting Diode Drivers Performance Characteristics (new standard)
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- ANSI C82.2-2002 (S2021), Standard For Lamp Ballasts - Method of Measurement of Fluorescent Lamp Ballasts (stabilized maintenance of ANSI C82.2-2002 (R2016))
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- ANSI C82.3-2016 (R2022), Standard for Electric Lamps—Reference Ballasts for Fluorescent Lamps (reaffirmation of ANSI C82.3-2016)
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- 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)
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- ANSI C82.5-2016 (R2022), Standard for Lamp Ballasts—High-Intensity Discharge and Low-Pressure Sodium Lamps (reaffirmation of ANSI C82.5-2016)
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- ANSI C82.6-2015 (R2020), Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge Lamps - Methods of Measurement (reaffirmation of ANSI C82.6-2015)
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- 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))
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- ANSI C82.77-4-2020, Standard for Lighting Equipment Electromagnetic compatibility (EMC) Testing and measurement techniques Power frequency magnetic field immunity test (national adoption with modifications of IEC 61000-4-8 Edition 2 2009)
  PINS Date: Dec 7, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-5-2017, For Lighting Equipment Voltage Surge Requirements (revision of ANSI C82.77-5-2015)
  PINS Date: Jul 7, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C82.77-7-2020, Standard for Lighting Equipment Testing and measurement techniques Voltage dips, short interruptions and voltage variations immunity tests (national adoption with modifications of IEC 61000-4-11 Edition 2.1 2017-05)
  PINS Date: Dec 7, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI C82.77-8-2020, Standard for Lighting Equipment Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)
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NEMA (ASC C82) (National Electrical Manufacturers Association)

- ANSI C82.77-2020, Standard for Lighting Equipment Injected Currents (national adoption with modifications of IEC 61000-4-6 Edition 4 2013-10)
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- 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

  PINS Date: Aug 17, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

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

  Public Review Date: Apr 24, 2020 | Final Action Date: Jul 14, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Aug 7, 2020 | Public Review Date: Sep 25, 2020 | Final Action Date: Feb 2, 2021 | Approved

- ANSI/NEMA/IEC 60974-6-2019, Arc Welding Equipment Part 6: Limited duty equipment (national adoption with modifications of IEC 60974-6, ed. 2)
  PINS Date: Oct 20, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved
### NEMA (ASC W1) (National Electrical Manufacturers Association)

- ANSI/NEMA/IEC 60974-7-2021, Arc Welding Equipment Part 7: Torches (national adoption of IEC 60974-7, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-7-2009)
  
  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  
  Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved

### NEMA (ASC Z535) (National Electrical Manufacturers Association)

  
  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 3 Standard for Next Generation 9-1-1 (new standard)
  
  PINS Date: May 8, 2015 | Public Review Date: Mar 19, 2021 | Final Action Date: Oct 7, 2021 | Approved

- ANSI/NENA STA-011.1-2021, NENA Standards for 9-1-1 Professional Education (new standard)
  
  PINS Date: Sep 2, 2016 | Public Review Date: Jul 31, 2020 | Final Action Date: Feb 4, 2021 | Approved

- ANSI/NENA STA-013.2-2016, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures (new standard)
  
  PINS Date: Apr 11, 2014 | Public Review Date: Aug 7, 2015 | Final Action Date: Mar 31, 2016 | Approved

- ANSI/NENA STA-017.1-2022, Changing Role of the Telecommunicator in the NG9-1-1 Environment (new standard)
  
  PINS Date: Jan 19, 2018 | Public Review Date: May 28, 2021 | Final Action Date: Mar 14, 2022 | Approved

- ANSI/NENA STA-019.1-2018, NG9-1-1 Call Processing Metrics Standard (new standard)
  
  PINS Date: May 8, 2015 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

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

- **ANSI/NENA STA-027.3-2018, NENA E9-1-1 PSAP Equipment Standard** (new standard)
  PINS Date: Apr 15, 2016 | Public Review Date: Jan 19, 2018 | Final Action Date: Jul 2, 2018 | Approved

- **ANSI/NENA STA-034.1-2022, NENA Legacy Selective Router Gateway Standard** (new standard)
  PINS Date: Nov 6, 2020 | Public Review Date: Nov 26, 2021 | Final Action Date: Mar 17, 2022 | Approved

  PINS Date: Jun 19, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Mar 17, 2022 | Approved

- **ANSI/NENA STA.002.2-2022, NENA Standard to Protect the Wellbeing of 9-1-1 Professionals** (new standard)
  PINS Date: Nov 6, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Oct 19, 2021 | Approved

## NETA (InterNational Electrical Testing Association)

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

  PINS Date: Nov 30, 2018 | Public Review Date: Jun 26, 2020 | Final Action Date: Sep 18, 2020 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Oct 16, 2020 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 7, 2022 | Approved

## NETA (InterNational Electrical Testing Association)

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

  PINS Date: Oct 6, 2017 | Public Review Date: Aug 10, 2018 | Final Action Date: Feb 4, 2019 | Approved

## NFPA (National Fire Protection Association)

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

  PINS Date: Feb 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Aug 31, 2020 | Approved

  PINS Date: Apr 13, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Sep 15, 2021 | Approved

  PINS Date: Oct 11, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Sep 3, 2018 | Approved
Approved American National Standards

NFPA (National Fire Protection Association)

  Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Jan 17, 2020 | Final Action Date: Aug 31, 2020 | Approved

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

  PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

- ANSI/NFPA 102-2021, Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures (revision of ANSI/NFPA 102-2016)
  PINS Date: Dec 27, 2013 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

- ANSI/NFPA 1021-2020, Standard for Fire Officer Professional Qualifications (revision of ANSI/NFPA 1021-2014)
  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  PINS Date: Jul 22, 2011 | Public Review Date: Mar 22, 2013 | Final Action Date: Jun 17, 2013 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 11, 2021 | Approved

- ANSI/NFPA 1035-2015, Standard for Professional Qualifications for Fire and Life Safety Educator, Public Information Officer, and Juvenile Firesetter Intervention Specialist (revision of ANSI/NFPA 1035-2010)
  PINS Date: Nov 30, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Dec 1, 2014 | Approved

  Public Review Date: Sep 19, 2014 | Final Action Date: Nov 14, 2015 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

- ANSI/NFPA 105-2022, Standard for Smoke Door Assemblies and Other Opening Protectives (revision of ANSI/NFPA 105-2019)
  PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Jul 8, 2021 | Approved
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**NFPA (National Fire Protection Association)**

- ANSI/NFPA 1126-2021, Standard for the Use of Pyrotechnics Before a Proximate Audience  (revision of ANSI/NFPA 1126-2016)
  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

- ANSI/NFPA 1140-2022, Standards for Wildland Firefighting  (new standard)
  PINS Date: Oct 25, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Jun 2, 2016 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 11, 2021 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Aug 21, 2017 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Sep 4, 2017 | Approved

  PINS Date: Oct 18, 2019 | Public Review Date: Jul 31, 2020 | Final Action Date: Dec 26, 2020 | Approved

  PINS Date: Nov 10, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: Apr 30, 2019 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 8, 2021 | Approved

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  PINS Date: Dec 29, 2017 | Public Review Date: Jan 17, 2020 | Final Action Date: Jun 21, 2020 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 8, 2021 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved
Public Review Date: Feb 16, 2018 | Final Action Date: May 24, 2018 | Approved

ANSI/NFPA 1225-2022, Standards for Emergency Services Communications (new standard)
PINS Date: Oct 25, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Sep 15, 2021 | Approved

ANSI/NFPA 1250-2020, Recommended Practice in Fire and Emergency Service Organization Risk Management (revision of ANSI/NFPA 1250-2015)
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

PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Sep 15, 2021 | Approved

PINS Date: Oct 25, 2019 | Public Review Date: Feb 4, 2022 | Final Action Date: Sep 1, 2022 | Approved

ANSI/NFPA 1300-2020, Standard on Community Risk Assessment and Community Risk Reduction Plan Development (new standard)
PINS Date: Aug 4, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved

PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Apr 23, 2017 | Approved

Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 25, 2018 | Approved

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PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved
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NFPA (National Fire Protection Association)

  PINS Date: Dec 8, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Jun 21, 2020 | Approved

  PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

- ANSI/NFPA 1700-2021, Guide for Structural Fire Fighting (new standard)
  PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Aug 31, 2020 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 8, 2019 | Final Action Date: May 18, 2019 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

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

  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Sep 13, 2019 | Final Action Date: Jul 16, 2020 | Approved

- ANSI/NFPA 1801-2021, Standard on Thermal Imagers for the Fire Service (revision of ANSI/NFPA 1801-2018)
  PINS Date: Feb 23, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | Approved

- ANSI/NFPA 1802-2021, Standard on Two-Way, Portable RF Voice Communications Devices for Use by Emergency Services Personnel in the Hazard Zone (new standard)
  PINS Date: Dec 15, 2017 | Public Review Date: Aug 7, 2020 | Final Action Date: Oct 25, 2020 | Approved

- ANSI/NFPA 1851-2020, Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting (revision of ANSI/NFPA 1851-2014)
  PINS Date: Sep 2, 2016 | Public Review Date: Mar 29, 2019 | Final Action Date: Aug 25, 2019 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved
NFPA (National Fire Protection Association)

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

- ANSI/NFPA 1877-2022, Standard on Selection, Care, and Maintenance of Wildland Fire Fighting Clothing and Equipment (new standard)
  PINS Date: Apr 21, 2017 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

- ANSI/NFPA 1891-2022, Standard on Selection, Care, and Maintenance of Hazardous Materials Clothing and Equipment (new standard)
  PINS Date: Jan 26, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 24, 2021 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 22, 2021 | Approved

  PINS Date: Jul 22, 2011 | Public Review Date: Feb 13, 2015 | Final Action Date: Sep 7, 2015 | Approved

  PINS Date: Nov 30, 2012 | Public Review Date: Feb 13, 2015 | Final Action Date: Jun 15, 2015 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Dec 1, 2016 | Approved

  PINS Date: Dec 27, 2013 | Public Review Date: Sep 19, 2014 | Final Action Date: Nov 14, 2015 | Approved

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  PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Apr 21, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 30, 2019 | Approved

- ANSI/NFPA 1937-2021, Standard for the Selection, Care, and Maintenance of Rescue Tools (new standard)
  PINS Date: Dec 15, 2017 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 25, 2020 | Approved

  Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  PINS Date: Dec 29, 2017 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved
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PINS Date: Apr 21, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved

PINS Date: Nov 1, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Jul 24, 2021 | Approved
### NFPA (National Fire Protection Association)

  - PINS Date: Dec 27, 2013 | Public Review Date: Sep 19, 2014 | Final Action Date: Jan 14, 2016 | Approved

  - PINS Date: Apr 21, 2017 | Public Review Date: Apr 21, 2017 | Final Action Date: Aug 21, 2017 | Approved

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  - PINS Date: Apr 21, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jun 30, 2019 | Approved

  - PINS Date: Aug 24, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 8, 2021 | Approved

  - PINS Date: Jun 8, 2018 | Public Review Date: Feb 5, 2021 | Final Action Date: Sep 15, 2021 | Approved

  - PINS Date: Dec 29, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  - PINS Date: Jun 8, 2018 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

  - PINS Date: Sep 2, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Aug 15, 2018 | Approved

  - 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

  - PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

  - PINS Date: Jun 8, 2018 | Public Review Date: Oct 22, 2021 | Final Action Date: May 4, 2022 | Approved

  - PINS Date: Feb 23, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Jun 21, 2020 | Approved

  - PINS Date: Feb 23, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 4, 2020 | Approved
| ANSI/NFPA 24-2022, Standard for the Installation of Private Fire Service Mains and Their Appurtenances  (revision of ANSI/NFPA 24-2019) | PINS Date: Nov 23, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Apr 8, 2021 | Approved |
| ANSI/NFPA 257-2022, Standard on Fire Test for Window and Glass Block Assemblies  (revision of ANSI/NFPA 257 -2017) | PINS Date: Dec 8, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Jun 4, 2021 | Approved |
PINS Date: Dec 8, 2017 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 22, 2021 | Approved

PINS Date: Dec 8, 2017 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 22, 2021 | Approved

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  (revision of ANSI/NFPA 35-2016)  
  PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

  (revision of ANSI/NFPA 350-2019)  
  PINS Date: May 10, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Apr 17, 2021 | Approved

  (revision of ANSI/NFPA 36-2017)  
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  (revision of ANSI/NFPA 37-2018)  
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  (revision of ANSI/NFPA 385-2017)  
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  (revision of ANSI/NFPA 4-2018)  
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- **ANSI/NFPA 40-2022**, Standard for the Storage and Handling of Cellulose Nitrate Film  
  (revision of ANSI/NFPA 40-2019)  
  PINS Date: Nov 23, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Apr 8, 2021 | Approved

  (revision of ANSI/NFPA 400-2019)  
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  (revision of ANSI/NFPA 402-2013)  
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  (revision of ANSI/NFPA 403-2013)  
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  (revision of ANSI/NFPA 405-2015)  
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  (revision of ANSI/NFPA 407-2017)  
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  (revision of ANSI/NFPA 408-2017)  
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  (revision of ANSI/NFPA 409-2016)  
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- **ANSI/NFPA 410-2020**, Standard on Aircraft Maintenance  
  (revision of ANSI/NFPA 410-2015)  
  PINS Date: Oct 13, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: Feb 4, 2019 | Approved

  (revision of ANSI/NFPA 412-2014)  
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  (revision of ANSI/NFPA 414-2017)  
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### NFPA (National Fire Protection Association)

  (revision of ANSI/NFPA 415-2016)  
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- **ANSI/NFPA 418-2021**, Standard for Heliports  
  (revision of ANSI/NFPA 418-2016)  
  PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | **Approved**

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  (revision of ANSI/NFPA 45-2015)  
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  (new standard)  
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  (revision of ANSI/NFPA 495-2012)  
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- **ANSI/NFPA 496-2021**, Standard for Purged and Pressurized Enclosures for Electrical Equipment  
  (revision of ANSI/NFPA 496-2017)  
  PINS Date: Aug 4, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Apr 4, 2020 | **Approved**

- **ANSI/NFPA 497-2021**, Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas  
  (revision of ANSI/NFPA 497-2017)  
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 4, 2020 | **Approved**

  (revision of ANSI/NFPA 498-2018)  
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NFPA (National Fire Protection Association)

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- 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

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- ANSI/NFPA 520-2021, Standard on Subterranean Spaces (revision of ANSI/NFPA 520-2016)
  PINS Date: Dec 8, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

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## ANSI/NFPA Standards

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- ANSI/NFPA 790-2021 (R2024), Standard for Competency of Third-Party Field Evaluation Bodies (reaffirmation of ANSI/NFPA 790-2021)
  PINS Date: Nov 27, 2020 | Public Review Date: May 20, 2022 | Final Action Date: Jul 5, 2022 | Approved

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- ANSI/NFPA 901-2021, Standard Classifications for Incident Reporting and Fire Protection Data (revision of ANSI/NFPA 901-2016)
  PINS Date: Oct 13, 2017 | Public Review Date: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

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  PINS Date: Feb 23, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Apr 4, 2020 | Approved

NFRC (National Fenestration Rating Council)

- ANSI/NFRC 100-2020 (E0A1), Procedure for Determining Fenestration Product U-factors (revision of ANSI/NFRC 100-2020 E0A0)
  PINS Date: Jul 30, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 200-2020 (E0A1), Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence (revision of ANSI/NFRC 200-2020 [E0A0])
  PINS Date: Jul 30, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

  PINS Date: Jul 30, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 203-2020 (EA01), Procedure for Determining Visible Transmittance of Tubular Daylighting Devices (revision of ANSI/NFRC 203-2020)
  PINS Date: Jul 30, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI/NFRC 400-2020 (EA01), Procedure for Determining Fenestration Product Air Leakage (revision of ANSI/NFRC 400-2020)
  PINS Date: 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)
  PINS Date: Jul 30, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 28, 2021 | Approved

NIRMA (Nuclear Information and Records Management Association)

  PINS Date: Oct 11, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Jun 1, 2021 | Approved

NISO (National Information Standards Organization)

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  Public Review Date: Apr 16, 2021 | Final Action Date: Jun 10, 2021 | Approved

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  PINS Date: May 13, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Feb 2, 2017 | Approved

  Public Review Date: Jan 19, 2018 | Final Action Date: Mar 16, 2018 | Approved

NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)

100 Bureau Drive, Stop 8900, NIST, Gaithersburg, MD 20899-8900 | w: www.nist.gov

  PINS Date: Sep 26, 2014 | Public Review Date: Apr 1, 2016 | Final Action Date: Jul 14, 2016 | Approved

NPPC (National Pork Producers Council)

P.O. Box 10383, Des Moines, IA 50306 | w: www.nppc.org

  PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

  PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

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NSF (NSF International)

- ANSI/NSF 14-2014 (i68r1), 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 14-2015 (i69r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
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- ANSI/NSF 14-2015 (i70r1), 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 (i74r1), 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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- ANSI/NSF 14-2016 (i76r1), NSF 14 Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2016 (i77r1), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2016 (i79r1), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2015, BSR/NSF 14-201x (i79r1))
  Public Review Date: Jun 24, 2016 | Final Action Date: Aug 26, 2016 | Approved

- ANSI/NSF 14-2016 (i79r2), NSF 14 - 2014 Plastics piping system components and related materials (revision of ANSI/NSF 14-2014)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 4, 2016 | Approved

- ANSI/NSF 14-2016 (i80r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
  Public Review Date: Jul 8, 2016 | Final Action Date: Aug 22, 2016 | Approved
NSF (NSF International)

- 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 (i78r1), Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
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- ANSI/NSF 14-2017 (i82r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2007 (i17))
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- ANSI/NSF 14-2017 (i83r1), NSF/ANSI 14: Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016a)
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- ANSI/NSF 14-2017 (i85r1), Plastics Piping System Components and Related Materials (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)
  Public Review Date: Nov 24, 2017 | Final Action Date: Dec 24, 2017 | Approved

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- ANSI/NSF 14-2018 (i86r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 15, 2017 | Final Action Date: Jan 30, 2018 | Approved

- ANSI/NSF 14-2018 (i88r1), NSF 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 15, 2017 | Final Action Date: Feb 1, 2018 | Approved

- ANSI/NSF 14-2018 (i89r1), NSF 14-Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 29, 2017 | Final Action Date: Feb 2, 2018 | Approved

- ANSI/NSF 14-2018 (i90r1), NSF 14-Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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  Public Review Date: Jan 5, 2018 | Final Action Date: Feb 12, 2018 | Approved

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- ANSI/NSF 14-2018 (i95r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2022 (i124r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Dec 24, 2021 | Final Action Date: Jan 27, 2022 | Approved

- ANSI/NSF 140-2015 (i26r4), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2013)
  Public Review Date: Jan 30, 2015 | Final Action Date: Mar 20, 2015 | Approved

- ANSI/NSF 140-2019 (i27r2), Sustainability Assessment for Carpet (revision of BSR/NSF 140-201x (i27r1))
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- ANSI/NSF 140-2019 (i28r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2015)
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- ANSI/NSF 140-2019 (i29r1), Sustainability Assessment for Carpet (revision of ANSI/NSF 140-2015)
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  Public Review Date: Mar 1, 2019 | Final Action Date: Mar 31, 2019 | Approved

- ANSI/NSF 14159-3-2019 (i7r1), NSF 14159-3: Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2014)
  Public Review Date: Mar 1, 2019 | Final Action Date: Mar 31, 2019 | Approved

- 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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  Public Review Date: Jan 31, 2014 | Final Action Date: Jun 22, 2015 | Approved

- ANSI/NSF 170-2015 (i17r2), Glossary of Food Equipment Terminology (revision of ANSI/NSF 170-2014)
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- ANSI/NSF 170-2015 (i18r3), Glossary of food equipment technology (revision of ANSI/NSF 170-2014)
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ANSI/NSF 2-2018 (i26r2), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2016)
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ANSI/NSF 2-2018 (i27r1), Food Equipment  (revision of ANSI/NSF 2-2015)
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ANSI/NSF 2-2018 (i29r1), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2016)
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ANSI/NSF 2-2019 (i33r1), NSF 2 - Food Equipment  (revision of ANSI/NSF 2-2018)
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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)
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ANSI/NSF 2-2021 (i38r2), Food Equipment  (revision of ANSI/NSF 2-2019)
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ANSI/NSF 2-2021 (i41r2), Food Equipment  (revision of ANSI/NSF 2-2019)
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ANSI/NSF 2-2022 (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 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)
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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)
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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)
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- **ANSI/NSF 245-2018 (i12r2), NSF 245 - Wastewater treatment systems - Nitrogen reduction** (revision of ANSI/NSF 245-2013)
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- **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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- **ANSI/NSF 245-2021 (i18r1), NSF 245 Residential Wastewater Treatment Systems - NitrogenReduction** (revision of ANSI/NSF 245-2018)
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ANSI/NSF 245-2022 (i26r2), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)
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ANSI/NSF 245-2022 (i28r1), Residential Wastewater Treatment Systems - Nitrogen Reduction (revision of ANSI/NSF 245-2020)
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ANSI/NSF 25-2017 (i11r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2012)
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- ANSI/NSF 305-2015 (i21r4), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2012)
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- ANSI/NSF 305-2016 (i26r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2014)
  Public Review Date: Jul 1, 2016 | Final Action Date: Sep 8, 2016 | Approved

- ANSI/NSF 305-2016 (i28r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2014)
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- ANSI/NSF 305-2022 (i31r1), Personal Care Products Containing Organic Ingredients (revision of ANSI/NSF 305-2016)
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- ANSI/NSF 330-2015 (i7r4), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2013, BSR/NSF 330-201x (i7r3))
  Public Review Date: Apr 17, 2015 | Final Action Date: May 17, 2015 | Approved

- ANSI/NSF 330-2015 (i8), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2014)
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- ANSI/NSF 330-2021 (i12r1), Glossary of Drinking Water Treatment Unit Terminology (revision of ANSI/NSF 330-2020)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 28, 2021 | Approved

- ANSI/NSF 332-2015 (i8r1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2012)
  Public Review Date: Nov 28, 2014 | Final Action Date: Jan 26, 2015 | Approved

- 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)
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- ANSI/NSF 332-2022 (i9r3.1), Sustainability Assessment for Resilient Floor Coverings (revision of ANSI/NSF 332-2015)
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- 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

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- ANSI/NSF 35-2012 (i6), High pressure decorative laminates (HPDL) for surfacing food service equipment (revision of ANSI/NSF 35-2009)
  Public Review Date: Dec 16, 2011 | Final Action Date: Aug 8, 2012 | Approved

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- ANSI/NSF 350-1-2017 (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)
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- ANSI/NSF 350-2017 (i18r2), NSF 350 Onsite Residential and Commercial Water Reuse Treatment Systems (revision of BSR/NSF 350-201x (i18r1))
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- ANSI/NSF 350-2018 (i25r1), NSF/ANSI 350: Onsite residential and commercial water reuse treatment systems (revision of BSR/NSF 350-201x (i25r1))
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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

  Public Review Date: Jun 29, 2018 | Final Action Date: Sep 12, 2018 | Approved

- ANSI/NSF 350-2018 (i31r1), Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017)
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ANSI/NSF 350-2020 (i45r2), NSF 350 - Onsite Residential and Commercial Water Reuse Treatment Systems  (revision of BSR/NSF 350-202x (i45r1))
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Approved American National Standards

The data in this document is reported as of Monday, October 3, 2022

NSF (NSF International)

- ANSI/NSF 358-3-2016 (i2r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3)
  Public Review Date: Sep 2, 2016 | Final Action Date: Oct 2, 2016 | Approved

- ANSI/NSF 358-3-2021 (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 27, 2021 | Approved

- ANSI/NSF 358-4-2018 (i1r3), Polyethylene of Raised Temperature (PE-RT) Tubing and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (new standard)
  PINS Date: Aug 18, 2017 | Public Review Date: Feb 2, 2018 | Final Action Date: Mar 19, 2018 | Approved

- ANSI/NSF 358-4-2022 (i2r1), Polyethylene of Raised Temperature (PE-RT) Tubing and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-4-2018)
  Public Review Date: Sep 17, 2021 | Final Action Date: Jan 4, 2022 | Approved

- ANSI/NSF 359-2016 , Valves for crosslinked polyethylene (PEX) water distribution tubing systems (reaffirmation of ANSI/NSF 359-2011)
  Public Review Date: Jul 1, 2016 | Final Action Date: Aug 15, 2016 | Approved

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- ANSI/NSF 360-2014 (i2r1), Field Performance Verification (revision of ANSI/NSF 360-2010)
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- ANSI/NSF 360-2019 (i4r1), Wastewater Treatment Systems – Field Performance Verification (revision of ANSI/NSF 360-2014)
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- ANSI/NSF 363-2016 (i2r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  PINS Date: Sep 11, 2009 | Public Review Date: Jun 17, 2016 | Final Action Date: Jul 19, 2016 | Approved

- ANSI/NSF 363-2016 (i3r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 19, 2016 | Approved

- ANSI/NSF 363-2016 (i4r2), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Nov 4, 2016 | Final Action Date: Dec 4, 2016 | Approved

- ANSI/NSF 363-2016 (i5r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Jul 21, 2016 | Approved

- ANSI/NSF 363-2016 (i6r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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ANSI/NSF 40-2019 (i34r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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ANSI/NSF 40-2020 (i41r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2019)
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ANSI/NSF 40-2021 (i36r1), NSF 40 Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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ANSI/NSF 40-2022 (i42r2), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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ANSI/NSF 40-2022 (i43r1), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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ANSI/NSF 40-2022 (i45r3), Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2020)
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ANSI/NSF 401-2016, Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014 (i1r2.1))
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ANSI/NSF 401-2016 (i3r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)
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ANSI/NSF 401-2016 (i6r1), NSF 401-2016 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)
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ANSI/NSF 401-2017 (i8r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2016)
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ANSI/NSF 401-2017 (i9), NSF/ANSI 401 Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017)
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ANSI/NSF 401-2019 (i14r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2018)
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ANSI/NSF 401-2020 (i16r1), NSF 401-2020: Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
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ANSI/NSF 401-2020 (i17r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
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ANSI/NSF 401-2020 (i18r2), NSF 401-2020: Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
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ANSI/NSF 401-2020 (i19r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
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ANSI/NSF 401-2021 (i20r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
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ANSI/NSF 401-2021 (i24r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)
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### NSF (NSF International)

- **ANSI/NSF 401-2021 (i25r1)**, Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)  
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- **ANSI/NSF 401-2021 (i26r1)**, Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2020)  
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- **ANSI/NSF 41-2016 (i7r1)**, Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2011)  
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- **ANSI/NSF 41-2018 (i8r2)**, Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)  
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- **ANSI/NSF 41-2018 (i9r1)**, Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2016)  
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- **ANSI/NSF 41-2022 (i13r1)**, Non-liquid Saturated Treatment Systems (revision of ANSI/NSF 41-2018)  
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- **ANSI/NSF 416-2014 (i1r4)**, Sustainability Assessment for Water Treatment Chemical Products (new standard)  
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- **ANSI/NSF 416-2014 (i2r1)**, Sustainability Assessment for Water treatment chemical products (new standard)  
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- **ANSI/NSF 416-2017 (i4r1)**, Sustainability assessment for water treatment chemical products (revision of ANSI/NSF 416-2014 (i2r1))  
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- **ANSI/NSF 418-2014 (i3r1)** (R2019), NSF 418-2014 - Residential Wastewater - Effluent Filters Longevity Testing (reaffirmation of ANSI/NSF 418-2014 (i1r1))  
  Public Review Date: Feb 8, 2019 | Final Action Date: Mar 27, 2019 | Approved

- **ANSI/NSF 419-2015 (i1r3)**, Public Drinking Water Equipment Performance - Filtration (new standard)  
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- ANSI/NSF 42-2021 (i114r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2020)
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 20, 2021 | Approved

- ANSI/NSF 42-2021 (i115r2), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
  Public Review Date: Oct 1, 2021 | Final Action Date: Oct 31, 2021 | Approved

- ANSI/NSF 42-2021 (i116r2), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 1, 2021 | Approved

- ANSI/NSF 42-2021 (i118r1), Drinking Water Treatment Units – Aesthetic Effects (revision of ANSI/NSF 42-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 16, 2021 | Approved

  PINS Date: Jul 12, 2013 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 7, 2017 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 22, 2018 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 19, 2018 | Approved

- ANSI/NSF 426-2018 (i5r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers (revision of ANSI/NSF 426i5r1)
  Public Review Date: Aug 17, 2018 | Final Action Date: Dec 21, 2018 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 19, 2018 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Oct 19, 2018 | Approved

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

- ANSI/NSF 437-2021 (i1r2), Glossary of Wastewater Technology Terminology (new standard)
  PINS Date: Nov 29, 2013 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

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

- ANSI/NSF 44-2014 (i36r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2013)
  Public Review Date: Sep 26, 2014 | Final Action Date: Nov 3, 2014 | Approved

- ANSI/NSF 44-2015 (i37r1), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)
  Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2015 | Approved

- ANSI/NSF 44-2015 (i38r2), Residential Cation Exchange Water Softeners (revision of ANSI/NSF 44-2014)
  Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2015 | Approved
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- ANSI/NSF 455-2-2021 (i10r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
  Public Review Date: Feb 12, 2021 | Final Action Date: Mar 14, 2021 | Approved

  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 6, 2021 | Approved

- ANSI/NSF 455-2-2021 (i12r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 13, 2021 | Approved

- ANSI/NSF 455-2-2021 (i13r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
  Public Review Date: Mar 5, 2021 | Final Action Date: Jun 23, 2021 | Approved

  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 14, 2021 | Approved

  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 15, 2021 | Approved

- ANSI/NSF 455-2-2021 (i18r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
  Public Review Date: Mar 5, 2021 | Final Action Date: Apr 19, 2021 | Approved

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

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- **ANSI/NSF 455-4-2018 (i5r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | **Approved**

- **ANSI/NSF 455-4-2018 (i6r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | **Approved**

- **ANSI/NSF 455-4-2018 (i7r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | **Approved**

- **ANSI/NSF 455-4-2018 (i8r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Sep 7, 2018 | Final Action Date: Oct 7, 2018 | **Approved**

- **ANSI/NSF 455-4-2018 (i9r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Sep 7, 2018 | Final Action Date: Oct 7, 2018 | **Approved**

- **ANSI/NSF 455-4-2020 (i13r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 10, 2020 | **Approved**

- **ANSI/NSF 455-4-2020 (i14r3)**, NSF 455-4: Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Oct 2, 2020 | Final Action Date: Nov 2, 2020 | **Approved**

- **ANSI/NSF 455-4-2020 (i15r1)**, NSF 455-4 - Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 14, 2020 | **Approved**

- **ANSI/NSF 455-4-2020 (i17r1)**, NSF 455-4 Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 17, 2020 | **Approved**

- **ANSI/NSF 455-4-2020 (i19r1)**, NSF 455-4 Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 17, 2020 | **Approved**

- **ANSI/NSF 455-4-2020 (i22r1)**, NSF 455-4: Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2018)
  - Public Review Date: Mar 6, 2020 | Final Action Date: Apr 20, 2020 | **Approved**

- **ANSI/NSF 455-4-2021 (i23r1)**, Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  - Public Review Date: Mar 19, 2021 | Final Action Date: Apr 28, 2021 | **Approved**

- **ANSI/NSF 455-4-2021 (i24r1)**, Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  - Public Review Date: Mar 19, 2021 | Final Action Date: May 3, 2021 | **Approved**

- **ANSI/NSF 455-4-2021 (i25r1)**, Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  - Public Review Date: Mar 19, 2021 | Final Action Date: May 4, 2021 | **Approved**
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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)
  Public Review Date: Mar 19, 2021 | Final Action Date: May 5, 2021 | Approved

- ANSI/NSF 455-4-2021 (i28r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Aug 6, 2021 | Final Action Date: Sep 5, 2021 | Approved

- 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)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 29, 2021 | Approved

- ANSI/NSF 455-4-2021 (i31r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Mar 19, 2021 | Final Action Date: Apr 29, 2021 | Approved

- ANSI/NSF 455-4-2021 (i34r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Mar 19, 2021 | Final Action Date: Apr 30, 2021 | Approved

- ANSI/NSF 455-4-2021 (i35r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2019)
  Public Review Date: Jul 9, 2021 | Final Action Date: Aug 8, 2021 | Approved

- ANSI/NSF 455-4-2021 (i36r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 9, 2021 | Approved

- ANSI/NSF 455-4-2021 (i37r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2020)
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 10, 2021 | Approved

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

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

- ANSI/NSF 455-4-2022 (i37r1), Good Manufacturing Practices for Over-the-Counter Drugs  (revision of ANSI/NSF 455-4-2021)
  Public Review Date: Aug 19, 2022 | Final Action Date: Sep 20, 2022 | Approved

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

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

- ANSI/NSF 456-2021a (i2r1), NSF 456-2021: Vaccine Storage  (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved

- ANSI/NSF 456-2021a (i3r1), NSF 456-2021: Vaccine Storage  (revision of ANSI/NSF 456-2021)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved
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<td>Final Action Date: Jul 17, 2018</td>
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<td>Aug 7, 2020</td>
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<td>Dec 4, 2015</td>
<td>Jan 26, 2016</td>
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<td>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))</td>
<td>Jul 8, 2016</td>
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NSF (NSF International)

  Public Review Date: Jun 3, 2016 | Final Action Date: Jul 7, 2016 | Approved

- ANSI/NSF 50-2016 (i118r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)
  Public Review Date: Nov 4, 2016 | Final Action Date: Dec 30, 2016 | Approved

- 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 (i120r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)
  Public Review Date: Dec 2, 2016 | Final Action Date: Jul 5, 2017 | Approved

- ANSI/NSF 50-2017 (i121r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)
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- ANSI/NSF 50-2018 (i133r1), NSF 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016)
  Public Review Date: Dec 8, 2017 | Final Action Date: Feb 27, 2018 | Approved

- 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)
  Public Review Date: Dec 22, 2017 | Final Action Date: Feb 21, 2018 | Approved

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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 505-2021 (i1r3), NSF 505-20XX: Conformity Assessment Requirements for Certification Bodies that Certify Pool Chemicals Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (new standard)
  PINS Date: Dec 20, 2019 | Public Review Date: May 21, 2021 | Final Action Date: Jul 30, 2021 | Approved

- ANSI/NSF 505-2021 (i2r1), Conformity Assessment Requirements for Certification Bodies that Certify Products Pursuant to NSF/ANSI/CAN 50: Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water (revision of ANSI/NSF 505-2021)
  Public Review Date: Sep 17, 2021 | Final Action Date: Dec 2, 2021 | Approved

- ANSI/NSF 51-2017 (i15r1), NSF/ANSI 51 Food Equipment Materials (revision of ANSI/NSF 51-2014)
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- ANSI/NSF 51-2018 (i14r1), NSF 51 - Food Equipment Materials (revision of ANSI/NSF 51-2014)
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- ANSI/NSF 52-2017 (i7r1), Supplemental Flooring (revision of ANSI/NSF 52-2012)
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- ANSI/NSF 53-2014 (i92), Drinking Water Treatment Units - Health Effects (revision of ANSI/NSF 53-2013)
  Public Review Date: May 9, 2014 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/NSF 53-2015 (i100), Drinking Water Treatment Systems - Health Effects (revision of ANSI/NSF 53-2014)
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- ANSI/NSF 53-2021 (i126r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2019)
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- ANSI/NSF 53-2021 (i128r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2019)
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- ANSI/NSF 53-2021 (i129r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i131r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i134r1), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i135r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i136r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i137r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i138r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i139r2), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2021 (i140r1), Drinking Water Treatment Units – Health Effects (revision of ANSI/NSF 53-2020)
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- ANSI/NSF 53-2022 (i125r3), Drinking Water Treatment Units - Health Affects (revision of ANSI/NSF 53-2021)
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ANSI/NSF 53-2022 (i132r2), Drinking Water Treatment Units – Health Effects  (revision of ANSI/NSF 53-2021)
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ANSI/NSF 53-2022 (i141r1), Drinking Water Treatment Units - Health Affects  (revision of ANSI/NSF 53-2021)
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ANSI/NSF 53-2022 (i142r1), Drinking Water Treatment Units - Health Affects  (revision of ANSI/NSF 53-2021)
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ANSI/NSF 55-2014 (i37), Ultraviolet Microbiological Water Treatment System  (revision of ANSI/NSF 55-2013)
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ANSI/NSF 55-2014 (i38r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2013)
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ANSI/NSF 55-2014 (i39r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2013)
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ANSI/NSF 55-2015 (i40r2), Ultraviolet Microbiological Water Treatment System  (revision of ANSI/NSF 55-2014)
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ANSI/NSF 55-2016 (i42r1), NSF 55-2016 - Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2015)
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ANSI/NSF 55-2017 (i43r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2016)
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ANSI/NSF 55-2017 (i44), NSF/ANSI 55 Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2016)
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ANSI/NSF 55-2019 (i49r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2018)
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ANSI/NSF 55-2021 (i52r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2019)
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ANSI/NSF 55-2021 (i53r1), Ultraviolet Microbiological Water Treatment Systems  (revision of ANSI/NSF 55-2019)
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NSF (NSF International)

- ANSI/NSF 55-2021 (i54r1), NSF 55 - Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)
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- ANSI/NSF 55-2021 (i57r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2019)
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- ANSI/NSF 55-2021 (i58r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2020)
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- ANSI/NSF 55-2021 (i59r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)
  Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/NSF 55-2021 (i60r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2020)
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- ANSI/NSF 55-2022 (i61r1), Ultraviolet Microbiological Water Treatment Systems (revision of ANSI/NSF 55-2021)
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- ANSI/NSF 58-2014 (i65), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2013)
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- ANSI/NSF 58-2015 (i69r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2014)
  Public Review Date: Apr 24, 2015 | Final Action Date: May 25, 2015 | Approved

- ANSI/NSF 58-2015 (i70), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2014)
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  Public Review Date: Apr 8, 2016 | Final Action Date: May 23, 2016 | Approved

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- ANSI/NSF 58-2016 (i77r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2015)
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- ANSI/NSF 58-2017 (i78r1), Reverse Osmosis Drinking Water Treatment Systems (revision of ANSI/NSF 58-2016)
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## ANSI/NSF 58-2018 (i80r2), NSF 58 - Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2018 (i83r1), NSF 58 - Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2019 (i82r1), NSF 58 - Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2019 (i86r1), NSF 58 - Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2020 (i89r1), NSF 58 - Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2021 (i91r1), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2021 (i92r1), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2021 (i95r1), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2021 (i96r2), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2022 (i90r3), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 58-2022 (i97r1), Reverse Osmosis Drinking Water Treatment Systems
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## ANSI/NSF 59-2017 (i7r1), NSF 59-2012 Mobile Food Carts
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## ANSI/NSF 59-2020 (i10r1), Mobile Food Carts
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## ANSI/NSF 59-2020 (i8r1), NSF 59 - Mobile Food Carts
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## ANSI/NSF 59-2020 (i9r1), Mobile Food Carts
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## ANSI/NSF 6-2014 (i10r2), Dispensing Freezers
(revision of ANSI/NSF 6-2012)
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## ANSI/NSF 6-2016 (i11r3), Dispensing Freezers
(revision of ANSI/NSF 6-2014 (i10r1))
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<td>ANSI/NSF 60-2016 (i70r1)</td>
<td>Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2014a)</td>
<td>Nov 13, 2015</td>
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<td>ANSI/NSF 60-2016 (i71r1)</td>
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<td>ANSI/NSF 60-2016 (i74r1)</td>
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<td>Apr 1, 2016</td>
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Provided by American National Standards Institute    www.ansi.org    Monday, October 3, 2022

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<td>ANSI/NSF 61-2016 (i129), Drinking Water System Components - Health Effects</td>
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<td>Nov 6, 2015</td>
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ANSI/NSF 61-2016 (i130), Drinking Water System Components - Health effects  (revision of ANSI/NSF 61-2015)
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ANSI/NSF 61-2016 (i131r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2015)
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Public Review Date: Jul 22, 2016 | Final Action Date: Oct 12, 2016 | Approved

ANSI/NSF 61-2017 (i127r2), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
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ANSI/NSF 61-2017 (i134r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
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ANSI/NSF 61-2017 (i135r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
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ANSI/NSF 61-2017 (i136r1), Drinking Water System Components - Health Effects  (revision of ANSI/NSF 61-2016)
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ANSI/NSF 61-2017 (i138r1), NSF 61 - Drinking Water System Components - Health effects  (revision of ANSI/NSF 61-2016)
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Public Review Date: Feb 2, 2018 | Final Action Date: Mar 6, 2018 | Approved

Public Review Date: Oct 26, 2018 | Final Action Date: Dec 10, 2018 | Approved

Public Review Date: May 9, 2014 | Final Action Date: Oct 16, 2014 | Approved

Public Review Date: Sep 26, 2014 | Final Action Date: Nov 3, 2014 | Approved

Public Review Date: Mar 27, 2015 | Final Action Date: Apr 26, 2015 | Approved
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<td>ANSI/NSF/IPEC 363-2014 (i1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (new standard)</td>
<td>Public Review Date: Oct 3, 2014</td>
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<td>ANSI/NSF/IPEC 363-2019 (i14r1), Good Manufacturing Practices(GMP) for Pharmaceutical Excipients (revision of ANSI/NSF/IPEC 363-2014)</td>
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<td>ANSI/NSI 373-2022 (i6r1), Sustainability Assessment - Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2019)</td>
<td>Public Review Date: Dec 10, 2021</td>
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### NW&RA (ASC Z245) (National Waste & Recycling Association)

1550 Crystal Drive, Suite #804, Arlington, VA  22202 | w: www.wasterecycling.org

  - Public Review Date: May 22, 2015 | Final Action Date: Jan 9, 2017 | Approved

- ANSI Z245.2-2013, Stationary Compactors - Safety Requirements for Installation, Maintenance, Operation, Modification and Repair  (revision of ANSI Z245.2-2008)
  - PINS Date: Aug 15, 2008 | Public Review Date: Jun 21, 2013 | Final Action Date: Dec 4, 2013 | Approved

  - PINS Date: Apr 6, 2012 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

- ANSI Z245.30-2018, Waste Containers - Safety Requirements  (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

  - PINS Date: Jun 14, 2013 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 6, 2015 | Approved

- ANSI Z245.5-2013, Equipment Technology and Operations for Wastes and Recyclable Materials - Baling Equipment -- Safety Requirements for Installation, Maintenance and Operation  (revision of ANSI Z245.5-2008)
  - PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

  - PINS Date: Aug 15, 2008 | Public Review Date: Mar 1, 2013 | Final Action Date: May 1, 2013 | Approved

- ANSI Z245.60-2018, Waste Containers - Compatibility Dimensions  (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Jul 19, 2018 | Approved

### OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

75 Barett Drive, #1190, Webster, NY  14580 | w: www.OEOSC.org

  - Public Review Date: Mar 11, 2022 | Final Action Date: Jun 2, 2022 | Approved

  - PINS Date: Feb 14, 2020 | Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

  - Public Review Date: Mar 11, 2022 | Final Action Date: Jul 14, 2022 | Approved

- 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
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  PINS Date: Jan 16, 2015 | Public Review Date: Mar 24, 2017 | Final Action Date: Jun 19, 2017 | Approved

- ANSI OEOSC OP.1007-2020, 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 OP.1.0110-10-2014, 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 OP.1.0110-12-2014, Optics and Electro-Optical Instruments - Preparation of Drawings for Optical Elements and Systems - Part 12: Aspheric Surfaces (national adoption with modifications of ISO 10110-12)
  PINS Date: Jul 9, 2010 | Public Review Date: Feb 8, 2013 | Final Action Date: Oct 31, 2014 | Approved

- ANSI/OEOSC OP.1.0110-9-2015, 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 OP.1.9211-4-2014, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)
  PINS Date: Jan 18, 2013 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved

  Public Review Date: Jan 3, 2014 | Final Action Date: Dec 17, 2014 | Approved

OIX (Open-IX Association)

- 340 South Lemon Avenue #7988, Walnut, CA  91789 | w: http://www.open-ix.org

- ANSI/OIX 1-2020, Open-IX Certified Internet Exchange (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Jul 23, 2020 | Approved

- ANSI/OIX 2-2020, Data Center Technical Standard (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Aug 26, 2020 | Approved

- ANSI/OIX 3-2021, Edge Technical Standard (new standard)
  PINS Date: Mar 5, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

OPEI (Outdoor Power Equipment Institute)

- 1605 King Street, Alexandria, VA  22314 | w: www.opei.org

  PINS Date: Jan 28, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: May 27, 2022 | Approved
OPEI (Outdoor Power Equipment Institute)

  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: Mar 7, 2014 | Public Review Date: Feb 15, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/OPEI B175.3-2019, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Grass Trimmers and Brushcutters - Safety and Environmental Requirements (revision of ANSI/OPEI B175.3-2013)
  PINS Date: Mar 7, 2014 | Public Review Date: Aug 2, 2019 | Final Action Date: Dec 5, 2019 | Approved

- ANSI/OPEI B175.4-2018, Standard for Outdoor Power Equipment - Portable, Handheld, Internal Combustion Engine-Powered Cut-off Machines - Safety and Environmental Requirements (revision of ANSI/OPEI B175.4-2013)
  PINS Date: Mar 7, 2014 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/OPEI B175.5-2021, (Standard) for Outdoor Power Equipment Internal Combustion Engine-Powered Hand-Held Edger - Safety and Environmental Requirements (new standard)
  PINS Date: Feb 22, 2013 | Public Review Date: Jul 2, 2021 | Final Action Date: Sep 24, 2021 | Approved

- ANSI/OPEI B175.6-2018, Standard for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Hedge Trimmers - Safety and Environmental Requirements (new standard)
  PINS Date: Feb 22, 2013 | Public Review Date: Mar 30, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/OPEI B175.7-2019, (Standard) for Outdoor Power Equipment - Internal Combustion Engine-Powered Hand-Held Pole Mounted Pruners - Safety and Environmental Requirements (new standard)
  PINS Date: Feb 22, 2013 | Public Review Date: Mar 8, 2019 | Final Action Date: May 14, 2019 | Approved

  Public Review Date: May 20, 2016 | Final Action Date: Jan 24, 2017 | Approved

  PINS Date: Jan 31, 2014 | Public Review Date: Mar 16, 2018 | Final Action Date: Aug 10, 2018 | Approved

- ANSI/OPEI B71.3-2014 (R2020), Snow Throwers - Safety Specifications (reaffirmation of ANSI/OPEI B71.3-2014)
  PINS Date: Jan 31, 2020 | Public Review Date: Apr 24, 2020 | Final Action Date: Jul 6, 2020 | Approved

- ANSI/OPEI B71.4-2017, Commercial Turf Care Equipment - Safety Specifications (revision of ANSI/OPEI B71.4-2012)
  Public Review Date: Aug 12, 2016 | Final Action Date: Jan 24, 2017 | Approved
**OPEI (Outdoor Power Equipment Institute)**

- ANSI/OPEI B71.6-2021, Powered Consumer Chipper / Shredders and Pedestrian-Controlled Chipper / Shredder Vacuums - Safety Specifications (new standard)
  PINS Date: Feb 7, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jul 6, 2021 | Approved

- ANSI/OPEI B71.7-2018, Powered Consumer Ram-Type Log Splitters - Safety Specifications (new standard)
  PINS Date: May 11, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Aug 8, 2018 | Approved

- ANSI/OPEI B71.8-2016, Powered Walk-Behind Rotary Tillers and Hand-Supported Cultivators - Safety Specifications (revision of ANSI/OPEI B71.8-1996 (R2005))
  PINS Date: Feb 3, 2012 | Public Review Date: Jul 10, 2015 | Final Action Date: Jan 13, 2016 | Approved

- ANSI/OPEI B71.9-2016, Multipurpose Off-Highway Utility Vehicles (revision of ANSI/OPEI B71.9-2012)
  PINS Date: Mar 29, 2013 | Public Review Date: Mar 4, 2016 | Final Action Date: May 13, 2016 | Approved

  PINS Date: Feb 26, 2016 | Public Review Date: Dec 13, 2019 | Final Action Date: May 15, 2020 | Approved

  PINS Date: Aug 28, 2015 | Public Review Date: Dec 13, 2019 | Final Action Date: Aug 7, 2020 | Approved

**PCI (Precast/Prestressed Concrete Institute)**

  PINS Date: Jun 16, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: May 21, 2019 | Approved

**PDA (Parenteral Drug Association)**

- ANSI/PDA Standard 001-2020, Enhanced Purchasing Controls to Support the Bio-Pharmaceutical, Pharmaceutical, Medical Devices and Combination Products Industries (new standard)
  PINS Date: Jun 15, 2018 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 13, 2020 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Jun 18, 2021 | Final Action Date: Dec 13, 2021 | Approved

- ANSI/PDA Standard 04-2021, Phage Retention Nomenclature Rating for Small and Large Virus-Retentive Filters (new standard)
  PINS Date: Mar 29, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Jan 28, 2021 | Approved

- ANSI/PDA Standard 05-2021, Consensus Method for Rating Filters for Mycoplasma Reduction (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Jun 10, 2021 | Approved

**PEARL (Professional Electrical Apparatus Recyclers League)**

  PINS Date: Feb 14, 2014 | Public Review Date: Sep 8, 2017 | Final Action Date: Sep 25, 2018 | Approved
### PGMA (Portable Generator Manufacturers Association)
1300 Sumner Avenue, Cleveland, OH 44115-2851 | w: www.pgmaonline.com

  - PINS Date: Sep 30, 2016 | Public Review Date: Jan 5, 2018 | Final Action Date: Apr 20, 2018 | **Approved**

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

- **ANSI/APSP 1-2013, Standard for Public Swimming Pools** (new standard)
  - PINS Date: Sep 14, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Aug 28, 2013 | **Approved**

- **ANSI/APSP 3-2013, Standard for Permanently Installed Residential Spas and Swim Spas** (new standard)
  - PINS Date: Jan 16, 2009 | Public Review Date: Oct 18, 2013 | Final Action Date: Dec 20, 2013 | **Approved**

- **ANSI/APSP 4 Addenda-2013, Standard for Aboveground/Onground Residential Swimming Pools** (addenda to ANSI/APSP 4-2012)
  - Public Review Date: May 3, 2013 | Final Action Date: Aug 21, 2013 | **Approved**

- **ANSI/APSP 6-2013, Standard for Residential Portable Spas and Swim Spas** (new standard)
  - PINS Date: Jan 16, 2009 | Public Review Date: Jul 6, 2012 | Final Action Date: Jan 29, 2013 | **Approved**

  - PINS Date: Aug 3, 2012 | Public Review Date: Feb 8, 2013 | Final Action Date: Apr 2, 2013 | **Approved**

  - PINS Date: Feb 27, 2015 | Public Review Date: May 12, 2017 | Final Action Date: Nov 7, 2018 | **Approved**

  - PINS Date: Jul 12, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Jan 6, 2017 | **Approved**

  - PINS Date: Jul 11, 2014 | Public Review Date: Aug 1, 2014 | Final Action Date: Sep 12, 2014 | **Approved**

  - PINS Date: Jan 4, 2019 | Public Review Date: Aug 23, 2019 | Final Action Date: Nov 19, 2019 | **Approved**

  - PINS Date: Mar 17, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Aug 18, 2017 | **Approved**

  - PINS Date: Apr 7, 2017 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | **Approved**

  - PINS Date: Apr 7, 2017 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | **Approved**

  - PINS Date: Aug 1, 2014 | Public Review Date: Jul 10, 2015 | Final Action Date: Nov 3, 2015 | **Approved**
PHTA (Pool and Hot Tub Alliance)

  PINS Date: Jan 4, 2019 | Public Review Date: Mar 22, 2019 | Final Action Date: May 10, 2019 | Approved

- ANSI/PHTA/ICC-10-2021, Standard for Elevated Pools, Spas, and Other Aquatic Venues Integrated into a Building or Structure (new standard)
  PINS Date: Apr 2, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

  PINS Date: Apr 17, 2020 | Public Review Date: Jun 4, 2021 | Final Action Date: Aug 2, 2021 | Approved

  PINS Date: Sep 6, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Nov 19, 2020 | Approved

PLASTICS (Plastics Industry Association)

  PINS Date: Feb 10, 2012 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

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

- ANSI/PLASTICS B151.20-2013 (R2018), Safety Requirements for Plastic Sheet Production Machinery (reaffirmation and redesignation of ANSI/SPI B151.20-2013)
  Public Review Date: Oct 12, 2018 | Final Action Date: Feb 27, 2019 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/PLASTICS B151.31-2014 (R2020), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)
  Public Review Date: Mar 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/PLASTICS B151.5-2020, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)
  PINS Date: Jul 20, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/PLASTICS B151.7-2013 (R2021), Safety Requirements for Extrusion Machines (reaffirmation and redesignation of ANSI/SPI B151.7-2013)
  PINS Date: Jan 18, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Sep 24, 2021 | Approved

PLATO (Portable Lights American Trade Organization)

- ANSI/PLATO FL 1-2019, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)
  PINS Date: Feb 23, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 23, 2019 | Approved
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<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>
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<td>Sep 18, 2020</td>
<td>Jun 25, 2021</td>
<td>Sep 16, 2021</td>
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## RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  (revision of ANSI/RESNA CA-1-2016)  
  PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Oct 19, 2018 | Approved

  (revision of ANSI/RESNA ED-1-2013)  
  PINS Date: Jan 25, 2019 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 3, 2019 | Approved

  (revision of ANSI/RESNA IF-1-2018)  
  PINS Date: Sep 4, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 21, 2020 | Approved

  (revision of ANSI/RESNA SS-1-2014)  
  PINS Date: Jun 9, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 15, 2019 | Approved

  (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC -1-2009)  
  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  (national adoption of ISO 7176 with modifications and revision of ANSI/RESNA WC-2-2009)  
  PINS Date: Sep 21, 2012 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 5, 2019 | Approved

  (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

  Public Review Date: Nov 19, 2021 | Final Action Date: Feb 3, 2022 | Approved

  (addenda to ANSI/RESNET/ICC 301-2022)  
  Public Review Date: May 27, 2022 | Final Action Date: Jul 29, 2022 | Approved
### RESNET (Residential Energy Services Network, Inc.)

  - Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

  - Public Review Date: Feb 18, 2022 | Final Action Date: May 10, 2022 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved

### RIC (Remanufacturing Industries Council)

150 Lucius Gordon Drive, Suite 127, West Henrietta, NY 14586 | w: [www.remancouncil.org](http://www.remancouncil.org)

- **ANSI/RIC 001.2-2021**, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)
  - PINS Date: Oct 9, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 22, 2021 | Approved

### ROHVA (Recreational Off-Highway Vehicle Association)

2 Jenner Street, Suite 150, Irvine, CA 92618

  - PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved

### RVIA (Recreational Vehicle Industry Association)

3333 Middlebury Street, Elkhart, IN 46516 | w: [www.rvia.org](http://www.rvia.org)

- **ANSI A119.5-2020**, Park Model Recreational Vehicle Standard (revision of ANSI A119.5-2015)
  - PINS Date: Nov 2, 2018 | Final Action Date: Jan 9, 2020 | Approved

  - PINS Date: Aug 6, 2021 | 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 | Final Action Date: Jul 19, 2019 | Approved

  - PINS Date: Nov 2, 2018 | 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 | 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 | Final Action Date: Apr 10, 2018 | Approved

  - PINS Date: Apr 13, 2018 | Final Action Date: Mar 8, 2019 | Approved
SAAMI (Sporting Arms and Ammunition Manufacturers Institute)

11 Mile Hill Road, Newtown, CT 06470-2359 | w: www.saami.org

  PINS Date: May 12, 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

- 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)

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

  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)

400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

  PINS Date: Aug 5, 2016 | Public Review Date: May 10, 2019 | Final Action Date: Nov 21, 2019 | Approved

SAIA (ASC A92) (Scaffold & Access Industry Association)

400 Admiral Boulevard, Kansas City, MO 64106 | w: www.saiaonline.org

  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

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<td>SAIA (ASC A92) (Scaffold &amp; Access Industry Association)</td>
<td>ANSI/SAIA A92.22-2021, Safe Use of Mobile Elevating Work Platforms (MEWPs) (revision of ANSI/SAIA A92.22-2020)</td>
<td>PINS Date: Dec 18, 2020</td>
<td>Public Review Date: Jan 22, 2021</td>
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<td>SCTE (Society of Cable Telecommunications Engineers)</td>
<td>ANSI/SCTE 01-2021, Specification for F Port, Female, Outdoor (revision of ANSI/SCTE 01-2015)</td>
<td>PINS Date: Feb 28, 2020</td>
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<td>ANSI/SCTE 02-2021, Specification for F Port, Female, Indoor (revision of ANSI/SCTE 02-2015)</td>
<td>PINS Date: Feb 28, 2020</td>
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<td>ANSI/SCTE 03-2016, Test Method for Coaxial Cable Structural Return Loss (new standard)</td>
<td>PINS Date: Feb 15, 2013</td>
<td>Public Review Date: Aug 31, 2018</td>
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<td>ANSI/SCTE 04-2021, Test Method for F Connector Return Loss (revision of ANSI/SCTE 04-2014)</td>
<td>PINS Date: Sep 7, 2018</td>
<td>Public Review Date: Dec 3, 2021</td>
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<td>ANSI/SCTE 05-2022, Test Method for F Connector Return Loss In-Line Pair (revision of ANSI/SCTE 05-2014)</td>
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<td>ANSI/SCTE 07-2018, Digital Transmission Standard For Cable Television (revision of ANSI/SCTE 07-2013)</td>
<td>PINS Date: Mar 2, 2018</td>
<td>Public Review Date: Oct 26, 2018</td>
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<td>ANSI/SCTE 09-2016, Test Method for Cold Bend (revision of ANSI/SCTE 09-2010)</td>
<td>PINS Date: Apr 17, 2015</td>
<td>Public Review Date: Sep 30, 2016</td>
<td>Final Action Date: Nov 22, 2016</td>
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<td>ANSI/SCTE 10-2014 (R2021), Test Method for Flexible Coaxial Cable Impact (reaffirmation of ANSI/SCTE 10-2014)</td>
<td>PINS Date: Sep 7, 2018</td>
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<td>ANSI/SCTE 102-2016, Cable Retention Force Testing of Trunk &amp; Distribution Connectors (revision of ANSI/SCTE 102-2010)</td>
<td>PINS Date: Apr 17, 2015</td>
<td>Public Review Date: Nov 25, 2016</td>
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<td>ANSI/SCTE 103-2018, Test Method for DC Contact Resistance, Drop cable to F connectors and F 81 Barrels (revision of ANSI/SCTE 103-2012)</td>
<td>PINS Date: Dec 9, 2016</td>
<td>Public Review Date: Mar 23, 2018</td>
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SCTE (Society of Cable Telecommunications Engineers)

PINS Date: Oct 11, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 2, 2018 | Final Action Date: May 21, 2018 | Approved

PINS Date: Feb 5, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 2, 2021 | Approved

PINS Date: Dec 9, 2016 | Public Review Date: Feb 2, 2018 | Final Action Date: May 22, 2018 | Approved

PINS Date: Jun 14, 2019 | Public Review Date: Oct 11, 2019 | Final Action Date: Jan 6, 2020 | Approved

PINS Date: Nov 25, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 5, 2019 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 6, 2020 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 1, 2017 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

PINS Date: Apr 22, 2011 | Public Review Date: Mar 2, 2018 | Final Action Date: May 22, 2018 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 31, 2018 | Approved

- ANSI/SCTE 118-1-2019, Program-Specific Ad Insertion - Data Field Definitions, Functional Overview and Application Guidelines (revision of ANSI/SCTE 118-1-2012)
PINS Date: Jan 6, 2017 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 10, 2019 | Approved

- ANSI/SCTE 118-2-2019, Program-Specific Ad Insertion - Content Provider to Traffic Communication Applications Data Model (revision of ANSI/SCTE 118-2-2012)
PINS Date: Jan 6, 2017 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 10, 2019 | Approved

PINS Date: Jan 6, 2017 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 10, 2019 | Approved

PINS Date: Dec 25, 2015 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 31, 2018 | Approved
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## SCTE (Society of Cable Telecommunications Engineers)

  - PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- **ANSI/SCTE 130-2-2020, Digital Program Insertion–Advertising Systems Interfaces Part 2 Core Data Elements** (revision of ANSI/SCTE 130-2-2014)
  - PINS Date: Sep 7, 2018 | Public Review Date: Jan 1, 2021 | Final Action Date: Mar 1, 2021 | Approved

- **ANSI/SCTE 130-3-2020, Digital Program Insertion-Advertising Systems Interfaces Part 3 Ad Management Service (ADM) Interface** (revision of ANSI/SCTE 130-3-2013)
  - Public Review Date: Jan 1, 2021 | Final Action Date: Feb 22, 2021 | Approved

- **ANSI/SCTE 130-6-2020, Digital Program Insertion–Advertising Systems Interfaces Part 6–Subscriber Information Service (SIS)** (revision of ANSI/SCTE 130-6-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 8, 2020 | Approved

  - PINS Date: Aug 8, 2014 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 15, 2016 | Approved

- **ANSI/SCTE 130-8-2020, Digital Program Insertion–Advertising Systems Interfaces Part 8–General Information Service (GIS)** (revision of ANSI/SCTE 130-8-2013)
  - PINS Date: Mar 2, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

  - Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

  - PINS Date: Feb 17, 2012 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: Nov 15, 2019 | Final Action Date: Jan 6, 2020 | Approved

  - PINS Date: Feb 5, 2021 | Public Review Date: Dec 24, 2021 | Final Action Date: Feb 8, 2022 | Approved

- **ANSI/SCTE 134-2021, Fusion Splicing Equipment and Applications for the Cable/Broadband Industry** (revision of ANSI/SCTE 134-2012)
  - PINS Date: Dec 9, 2016 | Public Review Date: Mar 12, 2021 | Final Action Date: May 13, 2021 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: May 10, 2019 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 30, 2019 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Apr 30, 2019 | Approved

  - PINS Date: Mar 2, 2018 | Public Review Date: Sep 21, 2018 | Final Action Date: Nov 9, 2018 | Approved
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<td>Cable Modem IPv4 and IPv6 eRouter Specification (revision of ANSI/SCTE 140-2013)</td>
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## Approved American National Standards

**SCTE (Society of Cable Telecommunications Engineers)**

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ANSI/SCTE 158-2016, Recommended Environmental Condition Ranges for Broadband Communications Equipment (revision of ANSI/SCTE 158-2009)  
PINS Date: Dec 6, 2013 | Public Review Date: Nov 4, 2016 | Final Action Date: Dec 27, 2016 | Approved

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PINS Date: Feb 5, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Mar 21, 2022 | Approved

PINS Date: Dec 2, 2016 | Public Review Date: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Dec 14, 2018 | Final Action Date: Feb 5, 2019 | Approved

ANSI/SCTE 161-2016, Drop Amplifiers (revision of ANSI/SCTE 161-2009)  
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PINS Date: Jan 25, 2019 | Public Review Date: Mar 15, 2019 | Final Action Date: May 3, 2019 | Approved

PINS Date: Apr 24, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

PINS Date: Mar 21, 2014 | Public Review Date: May 31, 2019 | Final Action Date: Aug 6, 2019 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

ANSI/SCTE 165-04-2019, IPCablecom 1.5 Part 4: Dynamic Quality-of-Service (revision of ANSI/SCTE 165-4-2009)  
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PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

ANSI/SCTE 165-07-2019, IPCablecom 1.5 Part 7: MTA MIB (revision of ANSI/SCTE 165-7-2009)  
PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 14, 2019 | Approved

ANSI/SCTE 165-08-2019, IPCablecom 1.5 Part 8: Signaling MIB (revision of ANSI/SCTE 165-8-2009)  
PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 23, 2019 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

ANSI/SCTE 165-10-2020, IPCablecom 1.5 Part 10: Security (new standard)  
PINS Date: Apr 17, 2015 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved
Approved American National Standards

The data in this document is reported as of Monday, October 3, 2022

SCTE (Society of Cable Telecommunications Engineers)

- ANSI/SCTE 165-12-2016 (R2021), IPCablecom 1.5 Part 12: PSTN Gateway Call Signaling Protocol (reaffirmation of ANSI/SCTE 165-12-2016)
  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 165-14-2019, IPCablecom 1.5 Part 14: Embedded MTA Analog Interface and Powering (revision of ANSI/SCTE 165-14-2009)
  PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

  PINS Date: Apr 17, 2015 | Public Review Date: Mar 15, 2019 | Final Action Date: May 21, 2019 | Approved

- ANSI/SCTE 165-16-2016, IPCablecom 1.5 Part 16: Management Event Mechanism (revision of ANSI/SCTE 165-16-2009)
  PINS Date: Apr 17, 2015 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 9, 2017 | 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

  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 165-2-2016 (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

- 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
SCTE (Society of Cable Telecommunications Engineers)

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- 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

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  PINS Date: Feb 5, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/SCTE 176-2019, Specification for 75 ohm MCX Connector, Male & Female Interface (revision of ANSI/SCTE 176-2011)
  PINS Date: Dec 9, 2016 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 31, 2019 | Approved

- ANSI/SCTE 177-2018, Specification for Braided 75 , Mini-Series Quad Shield Coaxial Cable for CMTS and SDI cables (revision of ANSI/SCTE 177-2012)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Oct 18, 2018 | Approved

- ANSI/SCTE 178-2019, Test Method for Cable Weld Integrity (revision of ANSI/SCTE 178-2011)
  PINS Date: Dec 25, 2015 | Public Review Date: Mar 1, 2019 | Final Action Date: Apr 18, 2019 | Approved
SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Aug 18, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Nov 1, 2017 | Approved

- ANSI/SCTE 186-2021, Product Physical, Environmental, Electrical, Sustainability, and Quality Requirements for Cable Telecommunications (revision of ANSI/SCTE 186-2016)
  PINS Date: Dec 25, 2020 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 19, 2021 | Approved

- ANSI/SCTE 187-1-2019, Stereoscopic 3D Formatting and Coding for Cable (revision of ANSI/SCTE 187-1-2012)
  PINS Date: Jan 6, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

  PINS Date: Jan 6, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Mar 2, 2020 | Approved

  PINS Date: Jan 6, 2017 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI/SCTE 193-01-2020, MPEG AAC Audio Codec Constraints for Cable Television - Coding (revision and redesignation of ANSI/SCTE 193-1-2014)
  Public Review Date: Feb 7, 2020 | Final Action Date: Mar 31, 2020 | Approved

  PINS Date: Sep 7, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Mar 30, 2020 | Approved

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  PINS Date: Mar 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Dec 20, 2019 | Approved

- ANSI/SCTE 197-2018, Recommendations for Spot Check Loudness Measurements (revision of ANSI/SCTE 197-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 5, 2018 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Dec 20, 2019 | Approved

  PINS Date: Mar 25, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jun 6, 2022 | Approved
SCTE (Society of Cable Telecommunications Engineers)

- ANSI/SCTE 200-2016, Specification for a 75 ohm 'MMCX' Connector (MMCX-75), Male & Female Interface  (new standard)
  PINS Date: Feb 8, 2013 | Public Review Date: Jun 3, 2016 | Final Action Date: Jul 22, 2016 | Approved

- ANSI/SCTE 201-2018, Open Media Security (OMS) Root Key Derivation Profiles and Test Vectors  (revision of ANSI/SCTE 201-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 31, 2018 | Approved

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- ANSI/SCTE 214-1-2022, 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

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- ANSI/SCTE 24-4-2016 (R2022), IPCablecom 1.0 Part 4: Dynamic Quality of Service for the Provision of Real-Time Services over Cable Television Networks Using Data Modems (reaffirmation of ANSI/SCTE 24-4-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-5-2016 (R2022), IPCablecom 1.0 Part 5: Media Terminal Adapter (MTA) Device Provisioning Requirements for the Delivery of Real-Time Services over Cable Television Using Cable Modems (reaffirmation of ANSI/SCTE 24-5-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-6-2016 (R2022), IPCablecom 1.0 Part 6: Management Information Base (MIB) Framework (reaffirmation of ANSI/SCTE 24-6-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-7-2016 (R2022), IPCablecom 1.0 Part 7: Media Terminal Adapter (MTA) Management Information Base (MIB) Requirements (reaffirmation of ANSI/SCTE 24-7-2016)
  PINS Date: Feb 5, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- ANSI/SCTE 24-8-2016 (R2022), IPCablecom 1.0 Part 8: Signaling Management Information Base (MIB) Requirements (reaffirmation of ANSI/SCTE 24-8-2016)
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<td>Specification for Braided 75 , Micro-Series Quad Shield Coaxial Cable for Connectivity and Dense CCAP/Edge QAM Applications (new standard)</td>
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<td>Jan 17, 2014</td>
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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)
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ANSI/SCTE 260-4-2020, DPoE MAC and Upper Layer Protocols Interface (new standard)
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ANSI/SCTE 260-5-2020, DPoE OAM Extensions Specification (new standard)
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ANSI/SCTE 260-6-2020, DPoE Operations and Support System Interface Specification (new standard)
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ANSI/SCTE 260-7-2020, DPoE Physical Layer Specification (new standard)
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ANSI/SCTE 260-8-2020, DPoE Security and Certification Specification (new standard)
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ANSI/SCTE 262-3-2020, DOCSIS 4.0 Part 3: Cable Modem Operations Support System Interface Specification (new standard)
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ANSI/SCTE 262-4-2020, DOCSIS 4.0 Part 4: CCAP™ Operations Support System Interface Specification (new standard)
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ANSI/SCTE 262-5-2020, DOCSIS 4.0 Part 5: Security Specification (new standard)
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ANSI/SCTE 264-2021, Broadband Radio Frequency Hardline Taps for Cable Systems (new standard)
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ANSI/SCTE 265-2021, Broadband Radio Frequency Hardline Passives for Cable Systems (new standard)
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ANSI/SCTE 267-2021, Optimum Load Shaping for Electric Vehicle and Battery Charging (new standard)
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ANSI/SCTE 269-2021, Test Procedure for F Port Center Conductor Retention Force (new standard)
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<td>ANSI/SCTE 275-2021</td>
<td>Electrical Grounding and Bonding for Cable Broadband Network Critical Facilities (new standard)</td>
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<td>Torque Requirements for Bond Wire Penetration of Bonding Set Screw (revision of ANSI/SCTE 29-2012)</td>
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  PINS Date: Dec 25, 2015 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

- ANSI/SCTE 38-3-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-3-2012)
  PINS Date: Sep 8, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Mar 2, 2018 | Approved

- ANSI/SCTE 38-4-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-PS-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-4-2012)
  PINS Date: Sep 8, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

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- ANSI/SCTE 38-6-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012)
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- ANSI/SCTE 40-2016 (R2021), Digital Cable Network Interface Standard (reaffirmation of ANSI/SCTE 40-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/SCTE 41-2016 (R2021), POD Copy Protection System (reaffirmation of ANSI/SCTE 41-2016)
  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

- ANSI/SCTE 42-2019, IP Multicast for Digital MPEG Networks (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved
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  (reaffirmation of ANSI/SCTE 43-2015)  
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  (revision of ANSI/SCTE 44-2010)  
  PINS Date: Apr 17, 2015 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 18, 2018 | Approved

- **ANSI/SCTE 45-2022**, Test Method for Group Delay  
  (revision of ANSI/SCTE 45-2017)  
  PINS Date: Jan 28, 2022 | Public Review Date: Jul 29, 2022 | Final Action Date: Sep 29, 2022 | Approved

- **ANSI/SCTE 46-2014 (R2021)**, Test Method for AC to DC Outdoor Power Supplies  
  (reaffirmation of ANSI/SCTE 46-2014)  
  PINS Date: Feb 26, 2021 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

  (revision of ANSI/SCTE 48-1-2015)  
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- **ANSI/SCTE 48-3-2022**, Test Procedure for Measuring Shielding Effectiveness of Coaxial Cable and Connectors Using the GTEM Cell  
  (revision of ANSI/SCTE 48-3-2018)  
  PINS Date: Jan 28, 2022 | Public Review Date: May 13, 2022 | Final Action Date: Jul 12, 2022 | Approved

- **ANSI/SCTE 49-2011 (R2021)**, Test Method for Velocity of Propagation  
  (reaffirmation of ANSI/SCTE 49-2011)  
  PINS Date: Dec 25, 2015 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  (revision of ANSI/SCTE 51-2012)  
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  (revision of ANSI/SCTE 52-2013)  
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- **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

- **ANSI/SCTE 58-2017 (R2022)**, AM Cross Modulation Measurements  
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SCTE (Society of Cable Telecommunications Engineers)

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- 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: Jul 9, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/SCTE 82-2012 (R2022), Test Method for Low Frequency and Spurious Disturbances (reaffirmation of ANSI/SCTE 82-2012)
  PINS Date: Dec 17, 2021 | Public Review Date: Feb 25, 2022 | Final Action Date: May 6, 2022 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 83-4-2017, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE_RF-MIB (revision of ANSI/SCTE 83-4-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 84-3-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-FAN-MIB (revision of ANSI/SCTE 84-3-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

- ANSI/SCTE 86-2021, SCTE Recommended Optical Fiber Cable Types for Outside Plant Trunk and Distribution Applications (new standard)
  PINS Date: Apr 17, 2015 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved
### SCTE (Society of Cable Telecommunications Engineers)

- **ANSI/SCTE 87-2017**, Graphic Symbols for Cable Systems  
  (revision and redesignation of ANSI/SCTE 87-1-2008)  
  PINS Date: Jul 26, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 20, 2017 | Approved

- **ANSI/SCTE 88-2012 (R2021)**, Test Methods for Polyethylene Jacket Longitudinal Shrinkage  
  (reaffirmation of ANSI/SCTE 88-2012)  
  PINS Date: May 12, 2017 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 18, 2022 | Approved

  (revision of ANSI/SCTE 91-2009)  
  PINS Date: Dec 6, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Jun 4, 2015 | Approved

  (revision of ANSI/SCTE 92-2017)  
  PINS Date: Dec 31, 2021 | Public Review Date: Feb 4, 2022 | Final Action Date: Apr 12, 2022 | Approved

- **ANSI/SCTE 93-2020**, Test Method For Connector/Cable Twist  
  (revision of ANSI/SCTE 93-2013)  
  PINS Date: Mar 2, 2018 | Public Review Date: Nov 12, 2021 | Final Action Date: Jan 18, 2022 | Approved

  (revision of ANSI/SCTE 94-1-2009)  
  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  (revision of ANSI/SCTE 94-2-2009)  
  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  (revision of ANSI/SCTE 95-2009)  
  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

  (revision of ANSI/SCTE 98-2014)  
  PINS Date: Sep 7, 2018 | Public Review Date: Oct 30, 2020 | Final Action Date: Jan 7, 2021 | Approved

  (revision of ANSI/SCTE 99-2014)  
  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

  (revision of ANSI A250.3-2007 (R2011))  
  PINS Date: Jul 22, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 14, 2019 | Approved

- **ANSI A250.4-2018**, Test Procedure and Acceptance Criteria for - Physical Endurance for Steel Doors, Frames and Frame Anchors  
  (revision of ANSI A250.4-2011)  
  PINS Date: Jul 22, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 10, 2018 | Approved
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SDI (ASC A250) (Steel Door Institute)

- ANSI A250.6-2020, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2015)
  PINS Date: Feb 21, 2020 | Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- ANSI A250.8-2017, Specifications for Standard Steel Doors and Frames (SDI-100) (revision of ANSI A250.8-2014)
  PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 22, 2017 | Approved

- ANSI/BHMA A156.115-2016, Hardware Preparation In Steel Doors And Steel Frames (revision of ANSI/BHMA A156.115-2014)
  PINS Date: Jan 8, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/SDI/BHMA A250.13-2014 (R2018), Testing & Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies for Protection of Building Envelopes (Not applicable for FEMA 320/361 or ICC 500 Shelters) (reaffirmation and redesignation of ANSI A250.13-2014)
  Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

SDI (Canvass) (Steel Deck Institute)

- PO Box 426, Glenshaw, PA  15116 | w: www.sdi.org

  PINS Date: Jun 16, 2017 | Public Review Date: Dec 4, 2020 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

  PINS Date: Feb 16, 2018 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

- ANSI/SDI-C-2017, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI C-2011)
  PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

SERI (Sustainable Electronics Recycling International)

- PO Box 721, Hastings, MN  55033 | w: www.sustainableelectronics.org

- ANSI/SERI R2-V3-2020, The Sustainable Electronics Reuse & Recycling (R2) Standard (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Dec 20, 2019 | Final Action Date: Jul 10, 2020 | Approved

SIA (Security Industry Association)

- 8405 Colesville Road, Suite 500, Silver Spring, MD  20910 | w: www.siaonline.org

  PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 7, 2019 | Approved

SIMA (Snow and Ice Management Association)

- 10140 N. Port Washington Road, Milwaukee, WI  53092 | w: http://www.sima.org

- ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard)
  PINS Date: Jul 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 15, 2020 | Approved
### SJI (Steel Joist Institute)

234 W. Cheves Street, Florence, SC  29501 | w: www.steeljoist.org

  (revision and redesignation of ANSI/SJI 100-2015)  
PINS Date: Sep 20, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Apr 15, 2020 | **Approved**

  (revision and redesignation of ANSI/SJI CJ-2010)  
PINS Date: Jan 11, 2013 | Public Review Date: Apr 22, 2016 | Final Action Date: Aug 18, 2017 | **Approved**

### SLAS (Society for Laboratory Automation and Screening)

100 Illinois Street, Suite 242, St. Charles, IL  60174 | w: www.slas.org

- **ANSI/SLAS 1-2004 (R2012)**, Microplates - Footprint Dimensions (formerly recognized as ANSI/SBS 1-2004)  
  (reaffirmation and redesignation of ANSI/SBS 1-2004)  
Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | **Approved**

  (reaffirmation and redesignation of ANSI/SBS 2-2004)  
Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | **Approved**

- **ANSI/SLAS 3-2004 (R2012)**, Microplates - Bottom Outside Flange Dimensions (formerly recognized as ANSI/SBS 3-2004)  
  (reaffirmation and redesignation of ANSI/SBS 3-2004)  
Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | **Approved**

- **ANSI/SLAS 4-2004 (R2012)**, Microplates - Well Positions (formerly recognized as ANSI/SBS 4-2004)  
  (reaffirmation and redesignation of ANSI/SBS 4-2004)  
Public Review Date: Nov 4, 2011 | Final Action Date: Oct 3, 2012 | **Approved**

### SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

4201 Lafayette Center Drive, Chantilly, VA  20151-1219 | w: www.smacna.org

- **ANSI/SMACNA 005-2013**, Round Industrial Duct Construction Standards  
  (revision of ANSI/SMACNA 005-2003)  
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: May 12, 2016 | **Approved**

  (new standard)  
PINS Date: Jul 29, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Mar 27, 2017 | **Approved**

  (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)

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

  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: May 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

  PINS Date: Jan 7, 2022 | Public Review Date: Mar 4, 2022 | Final Action Date: Apr 6, 2022 | Approved

  PINS Date: Aug 7, 2015 | Public Review Date: Mar 17, 2017 | Final Action Date: May 11, 2017 | Approved

  PINS Date: Mar 4, 2016 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 11, 2018 | Approved

  PINS Date: Jun 15, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Jun 6, 2020 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Jan 24, 2017 | Approved

  PINS Date: Sep 27, 2019 | Public Review Date: Feb 12, 2021 | Final Action Date: Mar 16, 2021 | Approved

  PINS Date: Apr 14, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Oct 25, 2017 | Approved
### SVIA (Specialty Vehicle Institute of America)

2 Jenner, Suite 150, Irvine, CA  92618

- ANSI/SVIA 1-2017, Four Wheel All-Terrain Vehicles  (revision of ANSI/SVIA 1-2010)
  - PINS Date: Jan 1, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Jun 8, 2017 | Approved

### TAPPI (Technical Association of the Pulp and Paper Industry)

15 Technology Parkway, Suite 115, Peachtree Corners, GA  30092 | w: www.tappi.org

- ANSI/TAPPI T 1007 sp-2015, Sample location for fiber glass mat sheets  (revision of ANSI/TAPPI T 1007 sp-2010)
  - PINS Date: Jul 25, 2014 | Public Review Date: Nov 21, 2014 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods  (revision of ANSI/TAPPI T 1008 sp -2010)
  - PINS Date: Aug 15, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1009 om-2022, Tensile strength and elongation at break for fiber glass mats  (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 1010 om-2015, Moisture content of fiber glass mats  (revision of ANSI/TAPPI T 1012 om-2010)
  - PINS Date: Sep 19, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1015 sp-2010 (R2015), Fiber glass mat uniformity (visual defects)  (reaffirmation of ANSI/TAPPI T 1015 sp-2010)
  - PINS Date: Aug 8, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 9, 2015 | Approved

- ANSI/TAPPI T 1016 om-2010 (R2022), Average fiber diameter of fiber glass mats  (reaffirmation of ANSI/TAPPI T 1016 om-2010)
  - PINS Date: May 24, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 1200 sp-2014 (R2020), Interlaboratory evaluation of test methods to determine TAPPI repeatability and reproducibility  (reaffirmation of ANSI/TAPPI T 1200 sp-2014)
  - PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 1205 sp-2014 (R2020), Dealing with suspect (outlying) test determinations  (reaffirmation of ANSI/TAPPI T 1205 sp-2014)
  - PINS Date: Oct 12, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 1210 sp-2018, Units of measurement and conversion factors  (new standard)
  - PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | Approved

  - PINS Date: Apr 27, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- ANSI/TAPPI T 1212 sp-2021, Light sources for evaluating papers including those containing fluorescent whitening agents  (revision of ANSI/TAPPI T 1212 sp-2012)
  - PINS Date: May 13, 2016 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/TAPPI T 1215 sp-2021, The determination of instrumental color differences  (revision of ANSI/TAPPI T 1215 sp -2012)
  - PINS Date: Jun 3, 2016 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 1216 sp-2018, Indices for whiteness, yellowness, brightness, and luminous reflectance factor  (revision of ANSI/TAPPI T 1216 sp-2012)
  - PINS Date: Jun 3, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 12, 2018 | Approved
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<td>ANSI/TAPPI T 1217 sp-2012 (R2018)</td>
<td>Photometric linearity of optical properties instruments</td>
<td>PINS Date: May 20, 2016</td>
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<td>ANSI/TAPPI T 1218 sp-2012 (R2018)</td>
<td>Calibration of reflectance standards for hemispherical geometry</td>
<td>PINS Date: May 20, 2016</td>
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<td>ANSI/TAPPI T 1500 gl-2018</td>
<td>Optical measurements terminology (related to appearance evaluation of paper)</td>
<td>Public Review Date: Aug 24, 2018</td>
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<td>ANSI/TAPPI T 1501 sg-2018</td>
<td>Training standard for paper machine tender</td>
<td>PINS Date: Sep 25, 2015</td>
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<td>ANSI/TAPPI T 200 sp-2015 (R2021)</td>
<td>Laboratory beating of pulp (Valley beater method)</td>
<td>PINS Date: May 17, 2019</td>
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<td>ANSI/TAPPI T 205 sp-2018</td>
<td>Forming handsheets for physical tests of pulp</td>
<td>PINS Date: Jan 19, 2018</td>
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<td>ANSI/TAPPI T 211 om-2022</td>
<td>Ash in wood, pulp, paper and paperboard: combustion at 525C</td>
<td>PINS Date: Mar 27, 2020</td>
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<td>ANSI/TAPPI T 212 om-2012 (R2018)</td>
<td>One percent sodium hydroxide solubility of wood and pulp</td>
<td>Public Review Date: Jan 26, 2018</td>
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<td>ANSI/TAPPI T 213 om-2010 (R2021)</td>
<td>Dirt in pulp – chart method</td>
<td>PINS Date: May 17, 2019</td>
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<td>ANSI/TAPPI T 218 sp-2018</td>
<td>Forming handsheets for reflectance testing of pulp</td>
<td>PINS Date: Jun 19, 2015</td>
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<td>ANSI/TAPPI T 220 sp-2021</td>
<td>Physical testing of pulp handsheets</td>
<td>PINS Date: Mar 27, 2020</td>
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<td>ANSI/TAPPI T 222 om-2021</td>
<td>Acid insoluble lignin in wood and pulp</td>
<td>PINS Date: May 17, 2019</td>
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<td>ANSI/TAPPI T 227 om-2021</td>
<td>Freeness of pulp (Canadian standard method)</td>
<td>PINS Date: Jan 29, 2021</td>
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<td>ANSI/TAPPI T 230 om-2013 (R2019)</td>
<td>Viscosity of pulp (capillary viscometer method)</td>
<td>PINS Date: Apr 6, 2018</td>
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<td>ANSI/TAPPI T 236 om-2013</td>
<td>Kappa number of pulp</td>
<td>PINS Date: Oct 8, 2010</td>
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<td>ANSI/TAPPI T 240 om-2020</td>
<td>Consistency (concentration) of pulp suspensions</td>
<td>PINS Date: Jul 1, 2016</td>
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### TAPPI (Technical Association of the Pulp and Paper Industry)

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<td>ANSI/TAPPI T 266 om-2018</td>
<td>Determination of sodium, calcium, copper, iron and manganese in pulp and paper by atomic absorption spectroscopy</td>
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<td>May 8, 2015</td>
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<td>ANSI/TAPPI T 275 sp-2018</td>
<td>Screening of pulp (Somerville-type equipment)</td>
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<td>Jul 15, 2016</td>
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The data in this document is reported as of Monday, October 3, 2022

**TAPPI (Technical Association of the Pulp and Paper Industry)**

- 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

  
PINS Date: May 10, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- 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

- ANSI/TAPPI T 403 om-2015, Bursting Strength of Paper  (new standard)
  
PINS Date: Dec 19, 2014 | Public Review Date: Sep 4, 2015 | Final Action Date: Apr 25, 2016 | 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 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, Starch in paper  (new standard)
  
PINS Date: May 29, 2015 | Public Review Date: Jan 26, 2018 | Final Action Date: Jun 12, 2018 | 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
**TAPPI (Technical Association of the Pulp and Paper Industry)**

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<td>Water vapor transmission rate of paper and paperboard at 23 degrees C and 50% RH (new standard)</td>
<td>Jan 29, 2021</td>
<td>Jul 30, 2021</td>
<td>Nov 2, 2021</td>
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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 489 om-2022, Bending resistance (stiffness) of paper and paperboard (Taber-type tester in basic configuration) (revision of ANSI/TAPPI T 489 om-2015)
  PINS Date: Jul 2, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 16, 2022 | Approved

- ANSI/TAPPI T 491 om-2018, Water immersion number of paperboard (reaffirmation of ANSI/TAPPI T 491 om-2013)
  PINS Date: Apr 6, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 494 om-2022, Tensile properties of paper and paperboard (using constant rate of elongation apparatus) (revision of ANSI/TAPPI T 494 om-2013)
  PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- ANSI/TAPPI T 496 sp-2013 (R2019), Specimen preparation for cross directional internal tearing resistance for paper, paperboard and related materials (reaffirmation of ANSI/TAPPI T 496 sp-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

  PINS Date: Feb 1, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 3, 2020 | Approved

- ANSI/TAPPI T 512 sp-2012 (R2021), Creasing of flexible packaging material paper specimens for testing (reaffirmation of ANSI/TAPPI T 512 sp-2012)
  PINS Date: Feb 23, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 515 om-2020, Visual grading and color matching of paper (revision of ANSI/TAPPI T 515 om-2014)
  PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | Approved

- ANSI/TAPPI T 524 om-2013 (R2020), Color Of Paper And Paperboard (45/0, C/2) (reaffirmation of ANSI/TAPPI T 524 om-2013)
  PINS Date: Oct 12, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 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 536 om-2018, Resistance of paper to passage of air (high-pressure Gurley method) (new standard)
  PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | 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

  PINS Date: May 17, 2019 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved

- 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
<p>| 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 570 sp-2013 (R2021), Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus (reaffirmation of ANSI/TAPPI T 570 sp-2013) | PINS Date: Apr 6, 2018 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 2, 2021 | Approved |
| ANSI/TAPPI T 571 sp-2013, Accelerated temperature aging of printing and writing paper by dry oven exposure apparatus (revision of ANSI/TAPPI T 571 sp-2015) | PINS Date: Aug 27, 2021 | Public Review Date: Nov 19, 2021 | Final Action Date: Jan 6, 2022 | Approved |
| ANSI/TAPPI T 572 sp-2022, Preparation of indicators and standard solutions (new standard) | PINS Date: May 17, 2019 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved |
| ANSI/TAPPI T 573 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 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 579 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 580 om-2020, 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: Jun 14, 2022 | Approved |
| ANSI/TAPPI T 581 sp-2022, Viscosity of coating clay slurry (revision of ANSI/TAPPI T 581 sp-2012) | PINS Date: Jul 30, 2021 | Public Review Date: Jan 28, 2022 | Final Action Date: Jun 14, 2022 | Approved |
| ANSI/TAPPI T 582 sp-2022, Determination of solids content in black liquor (reaffirmation of ANSI/TAPPI T 582 sp-2012) | PINS Date: Nov 10, 2019 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 4, 2021 | Approved |
| ANSI/TAPPI T 583 sp-2021, Rheological measurements for characterization of polyolefins: low-density polyethylene (LDPE) for extrusion coating (revision of ANSI/TAPPI T 583 sp-2012) | PINS Date: May 1, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 12, 2022 | Approved |
| ANSI/TAPPI T 584 sp-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 585 sp-2021, 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 586 sp-2022, Rheological measurements for characterization of polyolefins: low-density polyethylene (LDPE) for extrusion coating (revision of ANSI/TAPPI T 586 sp-2012) | PINS Date: Jul 30, 2021 | Public Review Date: Mar 26, 2021 | Final Action Date: Jun 14, 2022 | Approved |</p>
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<td>ANSI/TAPPI T 815 om-2012 (R2018)</td>
<td>Coefficient of static friction (slide angle) of packaging and packaging materials (including shipping sack papers, corrugated and solid fiberboard) (inclined plane method)</td>
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<td>Aug 2, 2018</td>
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<td>ANSI/TAPPI T 826 om-2021</td>
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<td>May 17, 2019</td>
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<td>TCATA (Textile Care Allied Trades Association)</td>
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<td>27251 Wesley Chapel Boulevard, Suite 311, Wesley Chapel, FL 33544</td>
<td>w: <a href="http://www.tcata.org">www.tcata.org</a></td>
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<td>ANSI Z8.1-2016 (R2022), Commercial Laundry Equipment and Operations - Safety Requirements (reaffirmation of ANSI Z8.1-2016)</td>
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<th>TCIA (ASC A300) (Tree Care Industry Association)</th>
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<td>136 Harvey Road, Suite 101, Londonderry, NH 03053</td>
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<td>ANSI A300 Part 1-2017, Tree, Shrub, and Other Woody Plant Management (Pruning) (revision and redesignation of ANSI A300 Part 1 Pruning-2008 R2014)</td>
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<td>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)</td>
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<td>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)</td>
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<td>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)</td>
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<th>TCNA (ASC A108) (Tile Council of North America)</th>
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<td>100 Clemson Research Blvd., Anderson, SC 29625</td>
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<tr>
<td>ANSI A108.01-2016, General Requirements: Subsurfaces and Preparations by Other Trades (revision of ANSI A108.01-2013)</td>
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Approved American National Standards

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  PINS Date: Nov 11, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

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

  PINS Date: Jul 21, 2017 | Public Review Date: Jun 5, 2020 | Final Action Date: Oct 9, 2020 | Approved

- ANSI A108.21-2021, Interior Installation of Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI A108.4-2019, Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-Setting Epoxy Adhesive (new standard)
  PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- ANSI A108.5-2021, Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar (revision of ANSI A108.5-2020)
  PINS Date: Apr 2, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 3, 2021 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

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  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.10-2014 (R2019), Standard Specifications for Load Bearing, Bonded, Waterproof Membrane for Thin-Set Ceramic Tile and Dimension Stone Installation (reaffirmation of ANSI A118.10-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

- ANSI A118.11-2017 (R2022), Standard Specifications for EGP (Exterior Glue Plywood) Modified Dry-set Mortar (reaffirmation of ANSI A118.11-2017)
  Public Review Date: Mar 4, 2022 | Final Action Date: Apr 25, 2022 | Approved

- ANSI A118.12-2014 (R2019), Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation (reaffirmation of ANSI A118.12-2014)
  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved
TCNA (ASC A108) (Tile Council of North America)

- ANSI A118.15-2019, Standard Specifications for Improved Modified Dry-Set Cement Mortar (revision of ANSI A118.15-2018)
  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.16-2021, Standard Specifications for Flowable Hydraulic Cement Underlayment/Self-Leveling Underlayment (new standard)
  PINS Date: Nov 23, 2018 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI A118.3-2021, Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive (revision of ANSI A118.3-2013)
  PINS Date: Jan 12, 2018 | Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A118.4-2019, Standard Specifications for Modified Dry-Set Cement Mortar (revision of ANSI A118.4-2018)
  PINS Date: Nov 23, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.5-1999 (R2021), Standard Specifications for Chemical Resistant Furan Mortars and Grouts for Tile Installation (reaffirmation of ANSI A118.5-1999 (R2016))
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI A118.6-2019, Standard Specifications for Standard Cement Grouts for Tile Installation (revision of ANSI A118.6-2010 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.7-2019, Standard Specifications for High Performance Cement Grouts for Tile Installation (revision of ANSI A118.7-2010 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

- ANSI A118.8-1999 (R2021), Standard Specifications for Modified Epoxy Emulsion Mortar/Grout (reaffirmation of ANSI A118.8-1999 (R2016))
  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI A118.9-2019, Standard Specifications for Test Methods and Specifications for Cementitious Backer Units (revision of ANSI A118.9-1999 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 27, 2020 | Approved

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  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved

- ANSI A137.1-2022, Standard Specifications for Ceramic Tile (revision of ANSI A137.1-2021)
  Public Review Date: Dec 31, 2021 | Final Action Date: Mar 3, 2022 | Approved

- ANSI A137.2-2018, Standard Specification for Glass Tile (revision of ANSI A137.2-2013)
  Public Review Date: Feb 2, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI A137.2-2019, Standard Specification for Glass Tile (revision of ANSI A137.2-2013)
  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved
### TCNA (ASC A108) (Tile Council of North America)

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  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

  PINS Date: Jun 11, 2010 | Public Review Date: Nov 5, 2010 | Final Action Date: Feb 11, 2011 | Approved

  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 3, 2016 | Approved

  Public Review Date: Jul 11, 2014 | Final Action Date: Oct 20, 2014 | Approved

  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 3, 2016 | Approved

- ANSI/TIA 222-G-3-2014, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures - Addendum 3 (addenda to ANSI/TIA 222-G-2005 (R2012))
  PINS Date: Apr 15, 2011 | Public Review Date: Jul 11, 2014 | Final Action Date: Dec 15, 2014 | Approved

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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

- ANSI/TIA 41.000-E-9-2012, Mobile Application Part (MAP) Introduction (supplement to ANSI/TIA 41.000-E-2004)
  PINS Date: Oct 21, 2011 | Public Review Date: Dec 23, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 41.200-E-2007 (R2012), Mobile Application Part (MAP) - Intersystem Handoff (reaffirmation of ANSI/TIA 41.200-E-2007)
  Public Review Date: Jul 13, 2012 | Final Action Date: Dec 20, 2012 | Approved
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- ANSI/TIA 41.324-E-1 [E]-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction (addenda to ANSI/TIA 41.324-E-2007)
  PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

- ANSI/TIA 41.324-E-2007 (R2013), MOBILE APPLICATION PART (MAP)-VOICE FEATURE SCENARIOS: Calling Number Identification Presentation, Calling Number Identification Restriction (reaffirmation of ANSI/TIA 41.324-E-2007)
  Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

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- ANSI/TIA 41.328-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Mobile Access Hunting (new standard)
  PINS Date: Jun 15, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

- ANSI/TIA 41.329-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Message Waiting Notification (new standard)
  PINS Date: Jul 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 10, 2012 | Approved

- ANSI/TIA 41.330-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Password Call Acceptance / Selective Call Acceptance (new standard)
  PINS Date: Oct 5, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved

  PINS Date: Dec 28, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 8, 2012 | Approved
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<td>ANSI/TIA 41.335-E-2012</td>
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  PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 9, 2012 | Approved

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- ANSI/TIA 41.550-E-1 [E]-2012, Mobile Application Part (MAP) - Parameters Signaling Protocols  (addenda to ANSI/TIA 41.550-E-2004 (R2010))
  PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

- ANSI/TIA 41.550-E-2 [E]-2012, Mobile Application Part (MAP) - Parameters Signaling Protocols  (addenda to ANSI/TIA 41.550-E-2004 (R2010))
  PINS Date: Mar 13, 2009 | Public Review Date: May 11, 2012 | Final Action Date: Aug 7, 2012 | Approved

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  PINS Date: Nov 18, 2011 | Public Review Date: Mar 30, 2012 | Final Action Date: Jun 22, 2012 | Approved

- ANSI/TIA 41.630-E-1 [E]-2012, Mobile Application Part (MAP) - Basic Call Processing  (addenda to ANSI/TIA 41.630-E-2005)
  PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

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<td>ANSI/TIA 41.691-E-2 [E]-2012, Mobile Application Part (MAP) - Annexes for the 6XX Series (addenda to BSR/TIA 41.691-E-200x)</td>
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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

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  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

  Public Review Date: Jul 4, 2003 | Final Action Date: Aug 26, 2003 | Approved

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<td>ANSI/TIA 455-185-1991 (R2008), Strength of Coupling Mechanism for Fiber Optic Interconnecting Devices</td>
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<td>Measurement of Bandwidth on Multimode Fiber (identical national adoption of IEC 60793-1-41)</td>
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<td>ANSI/TIA 455-225-2015, FOTP-225</td>
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<td>Approved</td>
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- ANSI/TIA 455-33-B-2005 (R2013), FOTP33 - Optical Fiber Cable Tensile Loading and Bending (reaffirmation of ANSI/TIA 455-33B-2005)
  Public Review Date: Nov 2, 2012 | Final Action Date: Aug 2, 2013 | Approved

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  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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  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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<td>ANSI/TIA 455-82-C-2020</td>
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<td>ANSI/TIA 470.120-D-2017</td>
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<td>Acoustic echo control requirements for analog telephones (new standard)</td>
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   - PINS Date: Oct 30, 2015  
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   - PINS Date: Aug 7, 2015  
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   - Public Review Date: Nov 18, 2016  
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    - Public Review Date: Nov 18, 2016  
    - Final Action Date: Apr 11, 2017  
    - Approved

    - PINS Date: Aug 7, 2015  
    - Public Review Date: Nov 18, 2016  
    - Final Action Date: Apr 11, 2017  
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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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ANSI/TIA 4966-1-2017, Telecommunications Infrastructure Standard for Educational Facilities, Addendum 1: Updated References, Accommodation of New Media Types  (addenda to ANSI/TIA 4966-2014)
PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved

PINS Date: Nov 2, 2018 | Public Review Date: Dec 17, 2021 | Final Action Date: Feb 3, 2022 | Approved

ANSI/TIA 5017-2016, Telecommunications - Physical Network Security Standard  (new standard)
PINS Date: Jul 4, 2014 | Public Review Date: Dec 25, 2015 | Final Action Date: Feb 19, 2016 | Approved

ANSI/TIA 5041-2016, FAST Digital IF Architecture and Open Standard Digital IF Interfaces  (new standard)
PINS Date: Aug 14, 2015 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 20, 2016 | Approved

ANSI/TIA 5045-2017, Numeric Identifier for Conventional Analog Operation  (new standard)
PINS Date: Mar 4, 2016 | Public Review Date: Apr 7, 2017 | Final Action Date: Jun 22, 2017 | Approved

ANSI/TIA 5048-1-2021, Automated infrastructure management (AIM) systems - Requirements, data exchange and applications, Addendum 1: Adoption of ISO/IEC 18598 AMD1 ED1  (addenda to ANSI/TIA 5048-2017)
PINS Date: Nov 13, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Jun 11, 2021 | Approved

ANSI/TIA 5048-2017, Automated Infrastructure Management (AIM) Systems - Requirements, Data Exchange and Applications  (national adoption with modifications of ISO/IEC 18598)
PINS Date: Oct 28, 2016 | Public Review Date: Mar 3, 2017 | Final Action Date: Jun 22, 2017 | Approved

ANSI/TIA 5050-2018, Telecommunications, Communications Products, Receive Volume Control Requirements for Wireless (Mobile) Devices  (new standard)
PINS Date: Nov 4, 2016 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 17, 2018 | Approved

ANSI/TIA 5071-2022, Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling  (new standard)
PINS Date: Oct 11, 2019 | Public Review Date: Apr 15, 2022 | Final Action Date: Jun 16, 2022 | Approved

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### ANSI/TIA 526-28-2021
Fibre-optic Communication Subsystem Test Procedures - Part 4-5: Installed Cabling Plant - Attenuation measurement of MPO Terminated Fibre-optic Cabling Plant Using Test Equipment with MPO Interfaces
(identical national adoption of IEC 61280-4-5)
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### ANSI/TIA 526.7-A-2015 (R2022)
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### ANSI/TIA 526.7-A-2015 (R2022)
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### ANSI/TIA 568-C.0-1-2010
Generic Telecommunications Cabling for Customer Premises-Addendum 1, Updated Reference for Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568-C.0-2009)
PINS Date: May 7, 2010 | Public Review Date: Jun 4, 2010 | Final Action Date: Sep 1, 2010 | Approved

### ANSI/TIA 568-C.2-1-2016
Balanced Twisted-Pair Telecommunications Cabling and Components Standard, Addendum 1: Specifications for 100 Next Generation Cabling (addenda to ANSI/TIA 568-C.2-2009)
Public Review Date: Apr 29, 2016 | Final Action Date: Jun 30, 2016 | Approved

### ANSI/TIA 568-C.2-2-2014
PINS Date: Mar 21, 2014 | Public Review Date: Jul 11, 2014 | Final Action Date: Nov 7, 2014 | Approved

### ANSI/TIA 568-C.3-1-2011
Optical Fiber Cabling Components Standard - Addendum 1: Addition of OM4 Cables Optical Fiber and 24-fiber array connectors (addenda to ANSI/TIA 568-C.3-2008)
PINS Date: Feb 25, 2011 | Public Review Date: Mar 25, 2011 | Final Action Date: Oct 13, 2011 | Approved

### ANSI/TIA 568.0-D-1-2017
Generic Telecommunications Cabling for Customer Premises, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 568.0-D-2015)
PINS Date: Oct 21, 2016 | Public Review Date: Mar 10, 2017 | Final Action Date: Jul 26, 2017 | Approved

### ANSI/TIA 568.0-E-2022
Generic Telecommunications Cabling for Customer Premises; Addendum 1: Balanced Single Twisted-pair Cabling (addenda to ANSI/TIA 568.1-E-2020)
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### ANSI/TIA 568.0-E-2020
Generic Telecommunications Cabling for Customer Premises (revision and redesignation of ANSI/TIA 568.0-D-2015)
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### ANSI/TIA 568.1-D-2018
Commercial Building Telecommunications Infrastructure Standard, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 568.1-D-2015)
PINS Date: Oct 21, 2016 | Public Review Date: Oct 20, 2017 | Final Action Date: Mar 6, 2018 | Approved

### ANSI/TIA 568.1-D-2018
Commercial Building Telecommunications Cabling Standard (revision and redesignation of ANSI/TIA 568.1-D-2015)
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### ANSI/TIA 568.2-D-1-2019
Balun Requirements for Category 8 Testing (addenda to ANSI/TIA 568.2-D-2018)
PINS Date: Nov 2, 2018 | Public Review Date: Dec 28, 2018 | Final Action Date: Apr 9, 2019 | Approved

### ANSI/TIA 568.2-D-2-2020
Balanced Twisted-Pair Telecommunications Cabling and Components Standard Addendum 2: Power Delivery Over Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568.2-D-2018)
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### ANSI/TIA 568.2-D-2018
Balanced Twisted-Pair Telecommunications Cabling and Components Standard (revision and redesignation of ANSI/TIA 568-C.2-2009)
PINS Date: Jan 22, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: Sep 20, 2018 | Approved
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- ANSI/TIA 568.3-D-1-2019, Optical Fiber Cabling Component Standard- Addendum 1 General Updates (addenda to ANSI/TIA 568-D.3-2016)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 17, 2019 | Approved

- ANSI/TIA 568.3-E-2022, Optical Fiber Cabling Component Standard (revision and redesignation of ANSI/TIA 568.3-D-2016)
  PINS Date: Jan 31, 2020 | Public Review Date: Apr 29, 2022 | Final Action Date: Sep 29, 2022 | Approved

- ANSI/TIA 568.4-E-2022, Broadband Coaxial Cabling and Components Standard (revision and redesignation of ANSI/TIA 568.4-D-2017)
  PINS Date: Feb 11, 2022 | Public Review Date: Apr 8, 2022 | Final Action Date: Jul 11, 2022 | Approved

- ANSI/TIA 568.5-2022, IP Data Bearer Service Specification (revision and redesignation of ANSI/TIA 102.BAEB-B-2014)
  PINS Date: Jul 5, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Dec 16, 2019 | Approved

- ANSI/TIA 568.5-2022, Single balanced twisted-pair cabling and components standard (new standard)
  PINS Date: Oct 6, 2017 | Public Review Date: Oct 29, 2021 | Final Action Date: Feb 14, 2022 | Approved

- ANSI/TIA 569-C-2012, Telecommunications Pathways and Spaces (new standard)
  PINS Date: Nov 12, 2010 | Public Review Date: Aug 5, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 569-D-1-2016, Telecommunications Pathways and Spaces: Addendum 1 - Revised Temperature and Humidity Requirements for Telecommunications Spaces (addenda to ANSI/TIA 569-D-2015)
  PINS Date: Jul 1, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Oct 21, 2016 | Approved

  PINS Date: Jul 1, 2016 | Public Review Date: Oct 29, 2021 | Final Action Date: Feb 14, 2022 | Approved

- ANSI/TIA 569-E-1-2022, Telecommunications Pathways and Spaces Addendum 1: Revised Temperature and Humidity Guidelines for Telecommunications Spaces (addenda to ANSI/TIA 569-E-2019)
  PINS Date: Feb 11, 2022 | Public Review Date: Mar 25, 2022 | Final Action Date: Jun 17, 2022 | Approved

  PINS Date: Jul 27, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI/TIA 570-D-2018, Residential Telecommunications Infrastructure Standard (revision and redesignation of ANSI/TIA 570-C-2012)
  PINS Date: Mar 10, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jul 13, 2018 | Approved

- ANSI/TIA 571-C-2015, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements (revision and redesignation of ANSI/TIA 571-B-2007)
  PINS Date: May 4, 2012 | Public Review Date: Jul 24, 2015 | Final Action Date: Oct 27, 2015 | Approved

- ANSI/TIA 598-D-1-2018, Optical Fiber Color Coding in Cable, Addendum 1, for Additional Colors for Fibers 13-16 (addenda to ANSI/TIA 598-D-2014)
  PINS Date: Dec 12, 2014 | Public Review Date: Apr 20, 2018 | Final Action Date: Aug 10, 2018 | Approved

  PINS Date: Jul 7, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Mar 6, 2018 | Approved

- ANSI/TIA 598-D-2014, Optical Fiber Cable Coding (revision and redesignation of ANSI/TIA 598-C-2005)
  PINS Date: Jan 27, 2012 | Public Review Date: Sep 6, 2013 | Final Action Date: Jul 9, 2014 | Approved
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<td>ANSI/TIA 664-506-B-2007 (R2013), Wireless Features Description: Call Transfer (CT) (reaffirmation of ANSI/TIA 664-506-B-2007)</td>
<td>Public Review Date: Sep 7, 2012</td>
<td>Final Action Date: Jan 24, 2013</td>
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<td>ANSI/TIA 664-508-B-2007 (R2013), Wireless Features Description: Calling Number Identification Presentation (CNIP) (reaffirmation of ANSI/TIA 664-508-B-2007)</td>
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<td>ANSI/TIA 664-509-B-2007 (R2013), Wireless Features Description: Calling Number Identification Restriction (CNIR) (reaffirmation of ANSI/TIA 664-509-B-2007)</td>
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<td>Final Action Date: Jan 24, 2013</td>
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<td>ANSI/TIA 664-515-B-2007</td>
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<td>ANSI/TIA 664-519-B-2007</td>
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<td>ANSI/TIA 664-520-B-2007</td>
<td>Wireless Features Description: Subscriber PIN Access (SPINA)</td>
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<td>ANSI/TIA 664-522-B-2007</td>
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<td>ANSI/TIA 664-527-B-2007</td>
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## TIA (Telecommunications Industry Association)

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TIA (Telecommunications Industry Association)

- ANSI/TIA 664-802-B-2007 (R2013), Wireless Features Description: Subscriber Confidentiality (reaffirmation of ANSI/TIA 664-802-B-2007)
  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 1, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 1, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | Approved

  PINS Date: May 6, 2011 | Public Review Date: Jun 3, 2011 | Final Action Date: Aug 9, 2011 | Approved

  PINS Date: Apr 9, 2010 | Public Review Date: Nov 18, 2011 | Final Action Date: Mar 27, 2012 | Approved

  Public Review Date: Apr 15, 2016 | Final Action Date: Jun 14, 2016 | Approved

  Public Review Date: Apr 15, 2016 | Final Action Date: Jun 14, 2016 | Approved

- ANSI/TIA 862-B-1-2017, Structured Cabling Infrastructure Standard for Intelligent Building Systems, Addendum 1: Updated References, Accommodation of New Media Types (addenda to ANSI/TIA 862-B-2016)
  PINS Date: Mar 10, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 27, 2017 | Approved

- ANSI/TIA 862-C-2022, Structured Cabling Infrastructure Standard for Intelligent Building Systems (revision and redesignation of ANSI/TIA 862-B-2016)
  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

  PINS Date: Mar 28, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Aug 5, 2015 | Approved

- ANSI/TIA 920.000-B-2015, Telecommunications - Communications Products - Overview of Transmission Requirements for Digital Interface Communications Devices (new standard)
  PINS Date: May 24, 2013 | Public Review Date: Mar 20, 2015 | Final Action Date: Oct 26, 2015 | Approved
TIA (Telecommunications Industry Association)

  PINS Date: May 24, 2013 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 22, 2015 | Approved

- ANSI/TIA 920.120-B-2017, Telecommunications - Communications Products - Transmission Requirements for Digital Interface Communications Devices with Speakerphone (new standard)
  PINS Date: May 24, 2013 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 2, 2017 | Approved

  PINS Date: Nov 4, 2016 | Public Review Date: Jan 5, 2018 | Final Action Date: Mar 16, 2018 | Approved

- ANSI/TIA 920.130-B-2018, Telecommunications - Telephone Terminal Equipment - Transmission Requirements for Digital Telephones with Headsets (new standard)
  PINS Date: May 24, 2013 | Public Review Date: Dec 29, 2017 | Final Action Date: Apr 17, 2018 | Approved

  Public Review Date: Feb 19, 2016 | Final Action Date: Apr 12, 2016 | Approved

  Public Review Date: Jul 13, 2012 | Final Action Date: Oct 19, 2012 | Approved

  PINS Date: Mar 2, 2012 | Public Review Date: Nov 9, 2012 | Final Action Date: Mar 26, 2013 | Approved

- ANSI/TIA 942-B-1-2022, Telecommunications Infrastructure Standard for Data Centers Addendum 1 Edge Data Centers (addenda to ANSI/TIA 942-B-2017)
  PINS Date: Jun 26, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Jan 27, 2022 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Mar 10, 2017 | Final Action Date: Jul 12, 2017 | Approved

- ANSI/TIA 968-B-1-2012 (R2017), Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 1 (reaffirmation of ANSI/TIA 968-B-1-2012)
  Public Review Date: Nov 11, 2016 | Final Action Date: Feb 16, 2017 | Approved

- ANSI/TIA 968-B-2-2015, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 2 (supplement to ANSI/TIA 968-B-1-2012)
  Public Review Date: Nov 21, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/TIA 968-B-2009 (R2016), Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network (reaffirmation of ANSI/TIA 968-B-2009)
  Public Review Date: Apr 15, 2016 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/TIA 968-B-3-2016, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 3 (addenda to ANSI/TIA 968-B-2009)
  PINS Date: Oct 9, 2015 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 23, 2016 | Approved

  PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved
TIA (Telecommunications Industry Association)

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Dec 7, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 10, 2019 | Approved

  - Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

  - PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

TMA (The Monitoring Association)

- 7918 Jones Branch Drive, Suite 510, McLean, VA 22102 | w: www.csaaul.org

  - PINS Date: Aug 27, 2021 | Public Review Date: Nov 12, 2021 | Final Action Date: Mar 24, 2022 | Approved

TNI (The NELAC Institute)

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

- ANSI/FSMO-V1-2016, General Requirements for Field Sampling and Measurement Organizations (new standard)
  - PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved

- ANSI/FSMO-V2-2016, General Requirements for Accreditation Bodies Accrediting Field Sampling and Measurement Organizations (new standard)
  - PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved

- ANSI/TNI EL-V1-2016, Management and Technical Requirements for Laboratories performing Environmental Analysis (revision of ANSI/TNI EL-V1-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Dec 6, 2016 | Approved

- ANSI/TNI EL-V1M4-2018, Management and Technical Requirements for Laboratories performing Environmental Analysis, Module 4: Quality Systems for Chemical Testing (revision and redesignation of ANSI/TNI EL-V4-2016)
  - PINS Date: Mar 24, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/TNI EL-V2-2016, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories (revision of ANSI/TNI EL-V2-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved

- ANSI/TNI EL-V3-2016, General Requirements for Environmental Proficiency Test Providers (revision of ANSI/TNI EL-V3-2009)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved
### TOY-TIA (Toy Industry Association)

1115 Broadway, Suite 400, New York, NY 10010 | w: www.toyassociation.org

- **ANSI Z315.1-2012, Safety Requirements for Tricycles**  
  (revision of ANSI Z315.1-2006)  
  PINS Date: Aug 6, 2010 | Public Review Date: Aug 31, 2012 | Final Action Date: Nov 26, 2012 | Approved

### TPI (Truss Plate Institute)

2670 Crain Highway, Suite 203, Waldorf, MD 20601 | w: www.tpinst.org

- **ANSI/TPI 1-2014, National Design Standard for Metal Plate Connected Wood Truss Construction**  
  (revision of ANSI/TPI 1-2007)  
  PINS Date: Jul 2, 2010 | Public Review Date: Oct 25, 2013 | Final Action Date: Aug 27, 2014 | Approved

### UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)

30200 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org

- **ANSI B7.1-2017, Safety Requirements for the Use, Care and Protection of Abrasive Wheels**  
  (revision of ANSI B7.1-2010)  
  PINS Date: Sep 21, 2012 | Public Review Date: Sep 8, 2017 | Final Action Date: Oct 25, 2017 | Approved

- **ANSI B7.7-2003 (R2019), Safety Requirements for Abrading Materials with Coated Abrasive Systems**  
  (reaffirmation of ANSI B7.7-2003 (R2011))  
  PINS Date: Oct 12, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 23, 2019 | Approved

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

30200 Detroit Road, Cleveland, OH 44145-1967 | w: www.uama.org

- **ANSI B74.10-2015, Specification for Grading of Abrasive Grain**  
  (revision of ANSI B74.10-2010)  
  PINS Date: Apr 17, 2015 | Public Review Date: Aug 21, 2015 | Final Action Date: Oct 30, 2015 | Approved

- **ANSI B74.11-2020, Specifications for Random Shaped Tumbling Chip Abrasives**  
  (revision of ANSI B74.11-2014)  
  PINS Date: Mar 6, 2020 | Public Review Date: Apr 24, 2020 | Final Action Date: Nov 10, 2020 | Approved

- **ANSI B74.12-2018, Specifications for the Size of Abrasive Grain-Grining Wheels, Polishing and General Industrial Uses**  
  (revision of ANSI B74.12-2012)  
  PINS Date: Oct 13, 2017 | Public Review Date: Mar 30, 2018 | Final Action Date: Jul 20, 2018 | Approved

- **ANSI B74.13-2016, Markings for Identifying Grinding Wheels and Other Bonded Abrasives**  
  (revision of ANSI B74.13-1990 (R2007))  
  PINS Date: Feb 21, 2014 | Public Review Date: Nov 13, 2015 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI B74.14-2007 (R2020), Methods of Chemical Analysis of Aluminum Oxide Abrasive Grain and Abrasive Crude**  
  (reaffirmation of ANSI B74.14-2007 (R2013))  
  Public Review Date: Sep 13, 2019 | Final Action Date: Jan 6, 2020 | Approved

- **ANSI B74.15-1992 (R2013), Methods of Chemical Analysis of Silicon Carbide Abrasive Grain and Abrasive Crude**  
  (reaffirmation of ANSI B74.15-1992 (R2007))  
  Public Review Date: Apr 20, 2012 | Final Action Date: Feb 27, 2013 | Approved

- **ANSI B74.16-2002 (R2014), Checking the Size of Diamond and Cubic Boron Nitride Abrasive Grain**  
  (reaffirmation of ANSI B74.16-2002 (R2007))  
  Public Review Date: Apr 19, 2013 | Final Action Date: Feb 6, 2014 | Approved

- **ANSI B74.18-2018, Grading of Certain Abrasive Grain on Coated Abrasive Material**  
  (revision of ANSI B74.18-2016)  
  PINS Date: Oct 13, 2017 | Public Review Date: Dec 29, 2017 | Final Action Date: Apr 5, 2018 | Approved
### Approved American National Standards

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

- **ANSI B74.19-2016**, Test for Determining the Magnetic Content of Abrasive Grains  (revision of ANSI B74.19-2002 (R2007))
  - PINS Date: May 17, 2013 | Public Review Date: Nov 6, 2015 | Final Action Date: May 23, 2016 | Approved

- **ANSI B74.20 -2004 (R2016)**, Specification for Diamond and CBN Powders in Sub-Sieve Sizes  (reaffirmation of ANSI B74.20-2004 (R2010))
  - Public Review Date: Nov 6, 2015 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI B74.21-2002 (R2014)**, Fatigue Proof Test Procedure for Vitrified Wheels  (reaffirmation of ANSI B74.21-2002 (R2007))
  - Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

- **ANSI B74.22-1991 (R2014)**, Design Test for Type 27 Portable Grinding Wheels  (reaffirmation of ANSI B74.22-1991 (R2007))
  - Public Review Date: Feb 21, 2014 | Final Action Date: Jun 19, 2014 | Approved

  - Public Review Date: Apr 19, 2013 | Final Action Date: Feb 6, 2014 | Approved

- **ANSI B74.24-2016**, Specification for Abrasive Materials for Blasting  (new standard)
  - PINS Date: Apr 11, 2014 | Public Review Date: May 6, 2016 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI B74.3-2003 (R2014)**, Specifications for Shapes and Sizes of Diamond or CBN Abrasive Products  (reaffirmation of ANSI B74.3-2003 (R2009))
  - Public Review Date: Feb 21, 2014 | Final Action Date: Oct 27, 2014 | Approved

- **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)

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

  - 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

  - 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 |

| ANSI/UL 1-2020, Standard for Flexible Metal Conduit (revision of ANSI/UL 1-2017) |
| Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved |

| Public Review Date: Mar 25, 2016 | Final Action Date: Jun 20, 2016 | Approved |

| Public Review Date: Aug 26, 2016 | Final Action Date: Mar 6, 2017 | Approved |

| Public Review Date: Nov 18, 2016 | Final Action Date: Mar 6, 2017 | Approved |

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| Public Review Date: Jun 23, 2017 | Final Action Date: Aug 22, 2017 | Approved |

| Public Review Date: Feb 23, 2018 | Final Action Date: Aug 6, 2018 | Approved |

| 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 |
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  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 30, 2016 | Approved

  Public Review Date: Mar 13, 2020 | Final Action Date: May 6, 2020 | Approved

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

- **ANSI/UL 1004-7-2017 (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

  Public Review Date: Sep 28, 2018 | Final Action Date: Dec 6, 2018 | Approved

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

  Public Review Date: Jan 19, 2018 | Final Action Date: Sep 14, 2018 | Approved

  Public Review Date: Jun 15, 2018 | Final Action Date: Sep 14, 2018 | Approved

  Public Review Date: Jun 18, 2021 | Final Action Date: Jul 13, 2022 | Approved

  Public Review Date: May 27, 2016 | Final Action Date: Sep 5, 2017 | Approved

  Public Review Date: May 5, 2017 | Final Action Date: Sep 5, 2017 | Approved

  Public Review Date: Dec 6, 2019 | Final Action Date: Feb 18, 2020 | Approved

  Public Review Date: Nov 24, 2017 | Final Action Date: Jan 19, 2018 | Approved

  Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | Approved

  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 2, 2018 | Approved

  Public Review Date: Oct 4, 2019 | Final Action Date: Dec 13, 2019 | Approved
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### ULSE (UL Standards & Engagement)

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

  (revision of ANSI/UL 1017-2015)  
  Public Review Date: Apr 14, 2017 | Final Action Date: Sep 15, 2017 | **Approved**

- **ANSI/UL 1022-2012 (R2020)**, Standard for Safety for Line Isolation Monitors  
  (reaffirmation of ANSI/UL 1022-2012 (R2016))  
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | **Approved**

  (revision of ANSI/UL 1023-2013a)  
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  (revision of ANSI/UL 1023-2013a)  
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- **ANSI/UL 1023-2021**, Household Burglar-Alarm System Units  
  (revision of ANSI/UL 1023-2017)  
  Public Review Date: Feb 5, 2021 | Final Action Date: May 20, 2021 | **Approved**

  (revision of ANSI/UL 1026)  
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  (revision of ANSI/UL 1026)  
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  (revision of ANSI/UL 1026-2016)  
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  (revision of ANSI/UL 1026-2017)  
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  (revision of ANSI/UL 1026-2017)  
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  (revision of ANSI/UL 1026-2018)  
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- 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

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

- Public Review Date: Aug 18, 2017 | Final Action Date: Sep 28, 2017 | Approved

- Public Review Date: Dec 29, 2017 | Final Action Date: Oct 31, 2019 | Approved

- Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved

## ANSI/UL 1037-2016, Standard for Safety for Antitheft Alarms and Devices (revision of ANSI/UL 1037-2004 (R2009))
- Public Review Date: Jan 16, 2015 | Final Action Date: Sep 9, 2016 | Approved

## ANSI/UL 1037-2017, Standard for Safety for Antitheft Alarms and Devices (revision of ANSI/UL 1037-2016)
- Public Review Date: May 19, 2017 | Final Action Date: Sep 15, 2017 | Approved

## ANSI/UL 104-2016 (R2020), Standard for Safety for Elevator Door Locking Devices and Contacts (reaffirmation of ANSI/UL 104-2016)
- Public Review Date: Aug 7, 2020 | Final Action Date: Nov 17, 2020 | Approved

- Public Review Date: Nov 12, 2021 | Final Action Date: Jan 4, 2022 | Approved

- Public Review Date: Jun 10, 2016 | Final Action Date: Dec 14, 2016 | Approved

## ANSI/UL 1042-2016a, Standard for Safety for Electric Baseboard Heating Equipment (revision of ANSI/UL 1042-2014)
- Public Review Date: Oct 28, 2016 | Final Action Date: Dec 14, 2016 | Approved

- Public Review Date: Nov 6, 2020 | Final Action Date: Feb 2, 2021 | Approved

## ANSI/UL 1046-2022, Standard for Grease Filters for Exhaust Ducts (revision of BSR/UL 1046-202x)
- Public Review Date: May 13, 2022 | Final Action Date: Jun 22, 2022 | Approved

- Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved
| ANSI/UL 1062-2020, Standard for Safety for Unit Substations  (revision of ANSI/UL 1062-2014 (R2019)) | Public Review Date: May 15, 2020 | Final Action Date: Jul 20, 2020 | Approved |
| ANSI/UL 1066-2022, Standard for Safety for Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures  (revision of ANSI/UL 1066-2017) | Public Review Date: Apr 8, 2022 | Final Action Date: Aug 1, 2022 | Approved |
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<td>ANSI/UL 10A-2009a (R2018), Standard for Tin-Clad Fire Doors</td>
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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>
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- ANSI/UL 1201-2016a, Standard for Sensor Operated Backwater Prevention System (new standard)
  PINS Date: Apr 17, 2015 | Public Review Date: Oct 7, 2016 | Final Action Date: Dec 14, 2016 | Approved

  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 26, 2018 | Approved

- ANSI/UL 120101-2019, Standard for Safety for Definitions and Information Pertaining to Electrical Equipment in Hazardous Locations (revision and redesignation of ANSI/ISA 12.01.01-2013)
  Public Review Date: Aug 16, 2019 | Final Action Date: Dec 3, 2019 | Approved

- ANSI/UL 120202-2014 (R2022), Standard for Safety for Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (reaffirmation of ANSI/UL 120202-2014 (R2017))
  Public Review Date: Feb 18, 2022 | Final Action Date: Apr 11, 2022 | Approved

  Public Review Date: Jan 12, 2018 | Final Action Date: Feb 16, 2018 | Approved

  Public Review Date: Mar 9, 2018 | Final Action Date: Apr 30, 2018 | Approved

  Public Review Date: Aug 24, 2018 | Final Action Date: Oct 16, 2018 | Approved

  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

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<td>Standard for Safety for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations</td>
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<td>ANSI/UL 121203-2021</td>
<td>Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class II, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations</td>
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<td>Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 — Safety requirements (national adoption of ISO 12402-4)</td>
<td>Oct 9, 2015</td>
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  Public Review Date: Jan 21, 2022 | Final Action Date: Apr 12, 2022 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jun 25, 2018 | Approved

- ANSI/UL 1242-2020, Standard for Electrical Intermediate Metal Conduit - Steel (revision of ANSI/UL 1242-2018)  
  Public Review Date: Apr 10, 2020 | Final Action Date: Aug 21, 2020 | Approved

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

  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 17, 2019 | Approved

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

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  Public Review Date: Jun 28, 2013 | Final Action Date: Mar 19, 2014 | Approved

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

  Public Review Date: Jan 24, 2020 | Final Action Date: Jul 6, 2020 | Approved

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

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

- ANSI/UL 1256-2013 (R2018), Standard for Fire Test of Roof Deck Constructions (reaffirmation of ANSI/UL 1256-2013)  
  Public Review Date: Jun 8, 2018 | Final Action Date: Aug 10, 2018 | Approved
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  - Public Review Date: Jul 8, 2022 | Final Action Date: Aug 24, 2022 | Approved

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

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

  - Public Review Date: Feb 3, 2017 | Final Action Date: Dec 20, 2017 | Approved

  - Public Review Date: Jun 23, 2017 | Final Action Date: Dec 20, 2017 | Approved

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  - Public Review Date: Feb 14, 2020 | Final Action Date: Jun 4, 2020 | Approved

  - 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

  - 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

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  - Public Review Date: May 1, 2020 | Final Action Date: Jun 3, 2020 | Approved

- **ANSI/UL 1285-2022**, Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service (new standard)
  - PINS Date: Apr 30, 2021 | Public Review Date: Oct 29, 2021 | Final Action Date: Mar 21, 2022 | Approved

  - Public Review Date: Mar 9, 2018 | Final Action Date: May 3, 2018 | Approved

  - Public Review Date: Jun 26, 2019 | Final Action Date: Oct 8, 2019 | Approved

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

- ANSI/UL 1416-2012 (R2022), Standard for Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1416-2012)
  Public Review Date: Dec 17, 2021 | Final Action Date: Feb 7, 2022 | Approved

- ANSI/UL 1417-2012 (R2022), Standard for Special Fuses for Radio- and Television-Type Appliances (reaffirmation of ANSI/UL 1417-2012 (R2017))
  Public Review Date: Feb 18, 2022 | Final Action Date: May 3, 2022 | Approved

- ANSI/UL 1419-2021, Standard for Safety for Professional Video and Audio Equipment (reaffirmation and redesignation of ANSI/UL 2021-2016)
  Public Review Date: May 14, 2021 | Final Action Date: Jul 30, 2021 | Approved

- ANSI/UL 142-2019, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Apr 27, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019a, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Nov 2, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019b, Standard For Safety For Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Feb 22, 2019 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2021, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2019)
  Public Review Date: Nov 13, 2020 | Final Action Date: Jan 21, 2021 | Approved

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

  Public Review Date: Nov 5, 2021 | Final Action Date: Jan 14, 2022 | Approved

- ANSI/UL 1426-2010 (R2020), Standard for Safety for Electrical Cables for Boats (reaffirmation of ANSI/UL 1426-2010 (R2015))
  Public Review Date: Nov 1, 2019 | Final Action Date: Jan 10, 2020 | Approved

  Public Review Date: Aug 28, 2020 | Final Action Date: Dec 4, 2020 | Approved

- ANSI/UL 142A-2018a, Standard for Safety for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids (new standard)
  PINS Date: Dec 6, 2013 | Public Review Date: Mar 16, 2018 | Final Action Date: May 24, 2018 | Approved

- ANSI/UL 142A-2021, Standard for Safety for Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids (revision of ANSI/UL 142A-2018)
  Public Review Date: Nov 13, 2020 | Final Action Date: Jan 21, 2021 | Approved
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  Public Review Date: Apr 23, 2021 | Final Action Date: Aug 26, 2021 | Approved

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

  (revision of ANSI/UL 1446-2015)  
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  Public Review Date: Mar 13, 2020 | Final Action Date: May 7, 2020 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: Aug 28, 2018 | Approved

- ANSI/UL 1598-2018a, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2012)
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<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>
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<td>ANSI/UL 1773-2018a, Standard for Safety for Termination Boxes (revision of ANSI/UL 1773-2016)</td>
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  Public Review Date: Jan 10, 2020 | Final Action Date: Apr 22, 2020 | Approved

  Public Review Date: Nov 23, 2018 | Final Action Date: Feb 12, 2019 | Approved

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  Public Review Date: Nov 9, 2018 | Final Action Date: Mar 15, 2019 | Approved

  Public Review Date: Mar 26, 2021 | Final Action Date: Aug 25, 2021 | Approved

- **ANSI/UL 1803-2012 (R2021)**, Standard for Factory Follow-Up on Third Party Certified Portable Fire Extinguishers (October 8, 2021) (reaffirmation of ANSI/UL 1803-2012 (R2017))  
  Public Review Date: Oct 8, 2021 | Final Action Date: Dec 1, 2021 | Approved

  Public Review Date: Nov 5, 2021 | Final Action Date: Dec 29, 2021 | Approved
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  Public Review Date: Mar 20, 2020 | Final Action Date: Apr 22, 2020 | Approved

  Public Review Date: Jul 9, 2021 | Final Action Date: Oct 26, 2021 | Approved

- **ANSI/UL 1839-2021a, Standard for Safety for Automotive Battery Booster Cables (revision of ANSI/UL 1839-2021)**  
  Public Review Date: Nov 12, 2021 | Final Action Date: Dec 16, 2021 | Approved

- **ANSI/UL 1863-2019, Standard for Communications-Circuit Accessories (revision of ANSI/UL 1863-2012 (R2016))**  
  Public Review Date: Jul 26, 2019 | Final Action Date: Dec 17, 2019 | Approved

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  Public Review Date: Jun 29, 2018 | Final Action Date: Sep 4, 2018 | Approved

  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 30, 2020 | Approved
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  Public Review Date: Jun 8, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/UL 1917-2022, Solid-State Fan Speed Controls (revision of ANSI/UL 1917-2013 (R2017))
  Public Review Date: Apr 22, 2022 | Final Action Date: Jun 17, 2022 | Approved

- ANSI/UL 193-2016 (R2021), Standard for Alarm Valves for Fire-Protection Service (reaffirmation of ANSI/UL 193-2016)
  Public Review Date: Dec 18, 2020 | Final Action Date: Feb 16, 2021 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Oct 7, 2016 | Approved

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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

- **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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- ANSI/UL 209-2016 (R2020), Standard for Cellular Metal Floor Raceways and Fittings (reaffirmation of ANSI/UL 209 -2016)  
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

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- ANSI/UL 2127-2017, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2016)  
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- ANSI/UL 2127-2019, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of )  
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- ANSI/UL 2127-2020, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2019)  
  Public Review Date: Dec 20, 2019 | Final Action Date: May 15, 2020 | Approved

- ANSI/UL 2127-2020a, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127 -2015)  
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  (revision of ANSI/UL 2225-2017)  
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  Public Review Date: Dec 20, 2019 | Final Action Date: Feb 6, 2020 | Approved

  (revision of ANSI/UL 2225-2020)  
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

- **ANSI/UL 2225-2022**, Standard for Safety for Cables and Cable-Fittings For Use In Hazardous (Classified) Locations  
  (revision of ANSI/UL 2225-2020)  
  Public Review Date: Feb 25, 2022 | Final Action Date: Apr 11, 2022 | Approved

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  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
## ULSE (UL Standards & Engagement)

- **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

  - Public Review Date: Oct 2, 2020 | Final Action Date: Jan 8, 2021 | Approved

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  - 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

  - Public Review Date: Mar 11, 2022 | Final Action Date: Apr 20, 2022 | Approved

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<td>Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)</td>
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ULSE (UL Standards & Engagement)

- 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

  Public Review Date: May 17, 2019 | Final Action Date: Aug 7, 2019 | Approved

  Public Review Date: Jun 3, 2022 | Final Action Date: Jul 21, 2022 | Approved

  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)
  Public Review Date: Aug 10, 2018 | Final Action Date: Oct 2, 2018 | Approved

  (revision of ANSI/UL 2353-2015a)
  Public Review Date: Mar 25, 2016 | Final Action Date: Oct 10, 2016 | Approved

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

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<td>Standard for Safety for Low-Voltage Fuses - Part 16: Test Limiters</td>
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  Public Review Date: Apr 16, 2021 | Final Action Date: Oct 27, 2021 | Approved

- ANSI/UL 2515-2019, Standards for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515-2014)
  Public Review Date: Jun 8, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/UL 2515-2022, Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515-2019)
  Public Review Date: Sep 10, 2021 | Final Action Date: Mar 22, 2022 | Approved

- ANSI/UL 2515A-2016, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515A-2014)
  Public Review Date: Jul 10, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI/UL 2515A-2016a, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (revision of ANSI/UL 2515A-2014)
  Public Review Date: Dec 4, 2015 | Final Action Date: Apr 26, 2016 | Approved
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- **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)  
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- **ANSI/UL 2557-2020**, Standard for Membrane Switches  (new standard)  
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  Public Review Date: Jun 28, 2019 | Final Action Date: Aug 1, 2019 | Approved

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  Public Review Date: Feb 19, 2021 | Final Action Date: Mar 23, 2021 | Approved

  Public Review Date: Nov 10, 2017 | Final Action Date: Jan 10, 2018 | 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: Sep 15, 2017 | Final Action Date: Nov 7, 2017 | Approved
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- ANSI/UL 2775-2017, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2016)
  Public Review Date: Jul 28, 2017 | Final Action Date: Aug 30, 2017 | Approved

  Public Review Date: Apr 28, 2017 | Final Action Date: Oct 19, 2017 | Approved

- ANSI/UL 2775-2017b, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017a)
  Public Review Date: Aug 25, 2017 | Final Action Date: Oct 19, 2017 | Approved

- ANSI/UL 2775-2019, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2017a)
  Public Review Date: Nov 16, 2018 | Final Action Date: Jul 31, 2019 | Approved

  Public Review Date: May 1, 2020 | Final Action Date: Oct 22, 2020 | Approved

- ANSI/UL 2775-2021, Standard for Fixed Condensed Aerosol Extinguishing System Units (revision of ANSI/UL 2775-2020)
  Public Review Date: Jun 18, 2021 | Final Action Date: Oct 5, 2021 | Approved

  Public Review Date: Oct 15, 2021 | Final Action Date: Jan 21, 2022 | Approved

- ANSI/UL 2775-2022a, Standard for Fixed Condensed Aerosol Extinguishing System Units (March 25, 2022) (revision of ANSI/UL 2775-2022)
  Public Review Date: Mar 25, 2022 | Final Action Date: Jun 30, 2022 | Approved

- ANSI/UL 2790-2010, Standard for Safety for Commercial Incinerators (new standard)
  PINS Date: Jan 22, 2010 | Public Review Date: May 14, 2010 | Final Action Date: Nov 8, 2010 | Approved

- ANSI/UL 2790-2010 (R2019), Standard For Safety For Commercial Incinerators (reaffirmation of ANSI/UL 2790-2010 (R2014))
  Public Review Date: Apr 12, 2019 | Final Action Date: Jun 12, 2019 | Approved

  PINS Date: Jun 3, 2016 | Public Review Date: Mar 6, 2020 | Final Action Date: May 22, 2020 | Approved

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  Public Review Date: Oct 28, 2016 | Final Action Date: Dec 16, 2016 | Approved

- ANSI/UL 283-2021, Standard for Safety for Air Fresheners and Deodorizers (revision of ANSI/UL 283-2016)
  Public Review Date: Feb 5, 2021 | Final Action Date: Apr 29, 2021 | Approved
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- 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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  Public Review Date: Aug 28, 2015 | Final Action Date: Feb 24, 2016 | Approved

- ANSI/UL 325-2016a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Apr 29, 2016 | Final Action Date: Dec 7, 2016 | Approved

- ANSI/UL 325-2016b, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Sep 16, 2016 | Final Action Date: Dec 7, 2016 | Approved

- ANSI/UL 325-2017, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Nov 11, 2016 | Final Action Date: Mar 7, 2017 | Approved

- ANSI/UL 325-2017a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Feb 3, 2017 | Final Action Date: Mar 7, 2017 | Approved

- ANSI/UL 325-2017b, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems (revision of ANSI/UL 325-2016)
  Public Review Date: Mar 10, 2017 | Final Action Date: May 19, 2017 | Approved

  Public Review Date: Jul 6, 2018 | Final Action Date: Jul 12, 2019 | Approved

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

  Public Review Date: Oct 18, 2019 | Final Action Date: Feb 28, 2020 | 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

- 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

  Public Review Date: Jun 8, 2018 | Final Action Date: Jul 12, 2018 | Approved

  Public Review Date: Dec 7, 2018 | Final Action Date: Feb 22, 2019 | Approved

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  Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | Approved

- ANSI/UL 331B-2020, Standard For Safety For Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 331B-2015)
  Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved
**ULSE (UL Standards & Engagement)**

- ANSI/UL 331B-2020, Standard for Safety for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 331B-2020)
  - Public Review Date: Jul 31, 2020 | Final Action Date: Oct 1, 2020 | **Approved**

  - Public Review Date: Jun 9, 2017 | Final Action Date: Jul 24, 2017 | **Approved**

- ANSI/UL 343-2021, 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)
  - Public Review Date: Aug 12, 2022 | Final Action Date: Sep 21, 2022 | **Approved**

  - Public Review Date: Jul 19, 2019 | Final Action Date: Sep 20, 2019 | **Approved**

  - Public Review Date: May 29, 2020 | Final Action Date: Nov 23, 2020 | **Approved**

  - Public Review Date: Jul 15, 2022 | Final Action Date: Sep 30, 2022 | **Approved**

  - Public Review Date: Jan 20, 2017 | Final Action Date: Jun 27, 2017 | **Approved**

  - Public Review Date: Apr 28, 2017 | Final Action Date: Jun 27, 2017 | **Approved**

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  - Public Review Date: Oct 26, 2018 | Final Action Date: Feb 19, 2019 | **Approved**

  - Public Review Date: Jul 12, 2019 | Final Action Date: Aug 14, 2019 | **Approved**

  - Public Review Date: Jun 5, 2020 | Final Action Date: Nov 11, 2020 | **Approved**

  - Public Review Date: Mar 4, 2022 | Final Action Date: Apr 5, 2022 | **Approved**

  - Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | **Approved**
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### ANSI/UL 391-2006 (R2019), Standard for Safety for Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces
(reaffirmation of ANSI/UL 391-2006 (R2014))
- Public Review Date: Jun 28, 2019 | Final Action Date: Aug 19, 2019 | Approved

### ANSI/UL 399-2017, Standard for Safety for Drinking Water Coolers (Proposal dated 11-4-16)
(revision of ANSI/UL 399-2013)
- Public Review Date: Nov 4, 2016 | Final Action Date: Mar 30, 2017 | Approved

### ANSI/UL 399-2018, Standard for Safety for Drinking-Water Coolers
(revision of ANSI/UL 399-2013a)
- Public Review Date: Mar 30, 2018 | Final Action Date: Aug 29, 2018 | Approved

### ANSI/UL 399-2020, Standard for Safety for Drinking-Water Coolers
(revision of ANSI/UL 399-2017)
- 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)
- Public Review Date: Oct 2, 2020 | Final Action Date: Mar 17, 2021 | Approved

### ANSI/UL 401-2017, Standard for Safety for Portable Spray Hose Nozzles for Fire-Protection Service
(revision of ANSI/UL 401-2014)
- Public Review Date: May 5, 2017 | Final Action Date: Jun 29, 2017 | Approved

### ANSI/UL 401-2022, Standard for Portable Spray Hose Nozzles for Fire-Protection Service
(revision of ANSI/UL 401-2017)
- Public Review Date: Nov 5, 2021 | Final Action Date: Jan 6, 2022 | Approved

### ANSI/UL 404-2015, Standard for Safety for Gauges, Indicating Pressure, for Compressed Gas Service
(revision of ANSI/UL 404-2010)
- Public Review Date: Dec 12, 2014 | Final Action Date: Feb 11, 2015 | Approved

### ANSI/UL 405-2018, Standard for Safety for Fire Department Connection Devices
(revision of ANSI/UL 405-2014)
- Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

### ANSI/UL 405-2020, Standard for Safety for Fire Department Connection Devices
(revision of ANSI/UL 405-2018)
- Public Review Date: May 22, 2020 | Final Action Date: Jul 29, 2020 | Approved

### ANSI/UL 407-2004 (R2017), Standard for Safety for Manifolds for Compressed Gases
(reaffirmation of ANSI/UL 407-2004 (R2013))
- Public Review Date: Oct 20, 2017 | Final Action Date: Dec 12, 2017 | Approved

### ANSI/UL 412-2017, Standard for Refrigeration Unit Coolers
(revision of ANSI/UL 412-2012)
- Public Review Date: Oct 28, 2016 | Final Action Date: Jan 9, 2017 | Approved

### ANSI/UL 412-2018, Standard for Refrigeration Unit Coolers
(revision of ANSI/UL 412-2017)
- Public Review Date: Jun 22, 2018 | Final Action Date: Aug 28, 2018 | Approved

### ANSI/UL 414-2018, Standard for Safety for Meter Sockets
(revision of ANSI/UL 414-2016)
- Public Review Date: Oct 13, 2017 | Final Action Date: Jun 29, 2018 | Approved

### ANSI/UL 414-2018a, Standard for Safety for Meter Sockets
(revision of ANSI/UL 414-2016)
- Public Review Date: May 18, 2018 | Final Action Date: Jun 29, 2018 | Approved

### ANSI/UL 414-2020, Standard for Safety for Meter Sockets
(revision of ANSI/UL 414-2018)
- Public Review Date: Feb 14, 2020 | Final Action Date: Apr 22, 2020 | Approved
### ANSI/UL Standards

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<td>Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2012))</td>
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<td>ANSI/UL 4248-12-2018</td>
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  Public Review Date: Aug 25, 2017 | Final Action Date: Apr 30, 2018 | Approved

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- ANSI/UL 428A-2015a, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 - E85) (new standard)
  PINS Date: Mar 7, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 4, 2015 | Approved

  Public Review Date: Feb 22, 2019 | Final Action Date: Apr 29, 2019 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Jan 22, 2021 | Approved

- ANSI/UL 428A-2022, Standard for Electrically Operated Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations Up to 85 Percent (E0 – E85) (revision of ANSI/UL 428A-2021)
  Public Review Date: Mar 18, 2022 | Final Action Date: Jun 6, 2022 | Approved

- ANSI/UL 428B-2020, Electrically Operated Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 428B-2015 (R2019))
  Public Review Date: Feb 7, 2020 | Final Action Date: Apr 28, 2020 | Approved

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  Public Review Date: Jun 9, 2017 | Final Action Date: Oct 24, 2017 | Approved

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  - Public Review Date: May 15, 2020 | Final Action Date: Jul 21, 2020 | Approved

- ANSI/UL 4703-2014a, Standard for Safety for Photovoltaic Wire (Proposal Dated 5-9-14) (new standard)
  - PINS Date: Nov 25, 2011 | Public Review Date: May 9, 2014 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/UL 471-2016, Standard for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2014)
  - Public Review Date: Oct 30, 2015 | Final Action Date: Jun 16, 2016 | Approved

- ANSI/UL 471-2016a, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2016)
  - Public Review Date: Sep 30, 2016 | Final Action Date: Dec 8, 2016 | Approved

  - Public Review Date: Jun 8, 2018 | Final Action Date: Nov 8, 2018 | Approved

- ANSI/UL 471-2018a, Commercial Refrigerators and Freezers (revision of ANSI/UL 471-2016)
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  - Public Review Date: Feb 15, 2019 | Final Action Date: Jun 25, 2019 | Approved

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<td>ANSI/UL 489B-2016 (R2021), Standard for Safety for Molded-Case Circuit Breakers,</td>
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- ANSI/UL 508C-2018a, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2016)
  Public Review Date: Sep 8, 2017 | Final Action Date: Jun 11, 2018 | Approved

- ANSI/UL 508C-2018b, Standard for Safety for Power Conversion Equipment (revision of ANSI/UL 508C-2016)
  Public Review Date: Mar 2, 2018 | Final Action Date: Jun 11, 2018 | Approved

  (revision of ANSI/UL 50E-2007 (R2012))
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  (revision of ANSI/UL 50E-2015)
  Public Review Date: May 8, 2020 | Final Action Date: Oct 15, 2020 | Approved

- ANSI/UL 510-2020, Standard for Safety for Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape (new standard)
  PINS Date: Mar 22, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Apr 17, 2020 | Approved

  PINS Date: Mar 22, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Apr 17, 2020 | Approved

- ANSI/UL 514A-2015a, Standard for Safety for Metallic Outlet Boxes (revision of ANSI/UL 514A-2013A)
  Public Review Date: Jan 23, 2015 | Final Action Date: Jul 6, 2015 | Approved

  Public Review Date: Feb 10, 2017 | Final Action Date: Aug 11, 2017 | Approved

  Public Review Date: Mar 18, 2022 | Final Action Date: Jun 30, 2022 | Approved

- ANSI/UL 514B-2020, Standard for Conduit, Tubing, and Cable Fittings (revision of ANSI/UL 514B-2014)
  Public Review Date: Dec 6, 2019 | Final Action Date: May 22, 2020 | Approved

  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 30, 2018 | Approved

  Public Review Date: Nov 8, 2019 | Final Action Date: Feb 6, 2020 | Approved

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  Public Review Date: Oct 27, 2017 | Final Action Date: Dec 8, 2017 | Approved
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| ANSI/UL 525-2008 (R2017), Standard for Safety for Flame Arresters  (reaffirmation of ANSI/UL 525-2008 (R2012))  
Public Review Date: Aug 4, 2017 | Final Action Date: Oct 12, 2017 | Approved |
| ANSI/UL 536-2021, Standard for Safety for Flexible Metallic Hose  (new standard)  
PINS Date: Mar 5, 2021 | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 9, 2021 | Approved |
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| ANSI/UL 541-2016, Refrigerated Vending Machines  (revision of ANSI/UL 541-2014)  
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| ANSI/UL 541-2018, Standard for Safety for Refrigerated Vending Machines  (revision of ANSI/UL 541-2016)  
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| ANSI/UL 541-2020, Standard for Safety for Refrigerated Vending Machines  (revision of ANSI/UL 541-2018)  
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| ANSI/UL 555-2020, Standard for Fire Dampers  (revision of ANSI/UL 555-2016)  
Public Review Date: Aug 14, 2020 | Final Action Date: Oct 9, 2020 | Approved |
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- ANSI/UL 555C-2021, Standard for Ceiling Dampers (revision of ANSI/UL 555C-2017)
  Public Review Date: Oct 23, 2020 | Final Action Date: Jan 21, 2021 | Approved

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- ANSI/UL 558-2021, Standard for Safety for Industrial Trucks, Internal Combustion Engine-Powered (revision of ANSI/UL 558-2020)
  Public Review Date: Jul 2, 2021 | Final Action Date: Oct 22, 2021 | Approved

- ANSI/UL 561-2021, Standard for Safety for Floor Finishing Machines (revision of ANSI/UL 561-2011 (R2018))
  Public Review Date: Apr 23, 2021 | Final Action Date: Jun 29, 2021 | Approved

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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)
Public Review Date: Feb 16, 2018 | Final Action Date: Aug 24, 2018 | Approved

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## ANSI/UL 60079-6-2016 (R2020), Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion (reaffirm a national adoption ANSI/UL 60079-6-2016)
- **Public Review Date:** Jun 5, 2020
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- **Public Review Date:** Sep 27, 2019
- **Final Action Date:** Feb 17, 2020
- **Status:** Approved

## ANSI/UL 60320-1-2022, Appliance Couplers for Household and Similar General Purposes - Part 1: General Requirements (revision of ANSI/UL 60320-1-2020)
- **Public Review Date:** Nov 12, 2021
- **Final Action Date:** Mar 25, 2022
- **Status:** Approved

## ANSI/UL 60320-3-2019, Standard for Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Gauges (national adoption with modifications of IEC 60320-3)
- **PINS Date:** Jul 28, 2017
- **Public Review Date:** Jun 8, 2018
- **Final Action Date:** Feb 15, 2019
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## ANSI/UL 60320-3-2022, Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Gauges (revision of ANSI/UL 60320-3-2019)
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- **Final Action Date:** Mar 25, 2022
- **Status:** Approved

- **Public Review Date:** Feb 5, 2016
- **Final Action Date:** Oct 31, 2016
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- **Public Review Date:** Jul 8, 2016
- **Final Action Date:** Oct 31, 2016
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- **Public Review Date:** Jul 29, 2022
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- **Public Review Date:** Feb 22, 2019
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- ANSI/UL 60335-2-69-2022, Standard for Safety for Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use (national adoption with modifications of IEC 60335-2-69)
  PINS Date: Nov 1, 2019 | Public Review Date: Oct 15, 2021 | Final Action Date: Mar 25, 2022 | Approved

- ANSI/UL 60335-2-72-2017, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72)
  PINS Date: Mar 15, 2013 | Public Review Date: May 26, 2017 | Final Action Date: Sep 15, 2017 | Approved

  PINS Date: Mar 15, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Sep 15, 2017 | Approved

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  Public Review Date: Apr 23, 2021 | Final Action Date: Jun 29, 2021 | Approved

- ANSI/UL 60335-2-89-2017a, Standard for Safety for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor (national adoption with modifications of IEC 60335-2-89)
  PINS Date: Dec 2, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: Sep 29, 2017 | Approved

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- Public Review Date: Oct 14, 2016 | Final Action Date: Dec 5, 2016 | Approved

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

- Public Review Date: Jun 28, 2019 | Final Action Date: Oct 18, 2019 | Approved

## ANSI/UL 60730-1-2021, Standard for Automatic Electrical Controls - Part 1: General Requirements (identical national adoption of IEC 60730-1 and revision of ANSI/UL 60730-1-2016)
- Public Review Date: Aug 13, 2021 | Final Action Date: Oct 18, 2021 | Approved

## ANSI/UL 60730-2-10-2013 (R2022), Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays (reaffirmation of ANSI/UL 60730-2-10-2013 (R2018))
- Public Review Date: Apr 15, 2022 | Final Action Date: Jun 29, 2022 | Approved

## ANSI/UL 60730-2-11-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators (reaffirm a national adoption ANSI/UL 60730-2-11-2013)
- Public Review Date: Nov 17, 2018 | Final Action Date: Jan 24, 2018 | Approved

## ANSI/UL 60730-2-12-2017 (R2022), Standard for Automatic Electrical Controls - Part 2-12: Particular Requirements for Electrically Operated Door Locks (reaffirmation of ANSI/UL 60730-2-12-2017)
- Public Review Date: Apr 15, 2022 | Final Action Date: Jun 9, 2022 | Approved

- Public Review Date: Nov 23, 2018 | Final Action Date: Feb 15, 2019 | Approved

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- Public Review Date: Jun 28, 2019 | Final Action Date: Nov 6, 2019 | Approved

- PINS Date: Dec 2, 2016 | Public Review Date: Jan 20, 2017 | Final Action Date: Apr 7, 2017 | Approved

- Public Review Date: Jun 21, 2019 | Final Action Date: Jan 7, 2020 | Approved
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<td>Requirements for Reciprocating Saws, (Jig and Sabre Saws) (reaffirm</td>
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<td>a national adoption ANSI/UL 60745-2-11-2009 (R2014))</td>
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<td>ANSI/UL 60939-3-2017 (R2022)</td>
<td>Standard for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate</td>
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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)
  - Public Review Date: Feb 12, 2021 | Final Action Date: Mar 31, 2021 | Approved

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- **ANSI/UL 60947-7-3-2017 (R2021)**, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks (reaffirmation of ANSI/UL 60947-7-3-2017)
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- **ANSI/UL 60947-7-4-2018 (R2022)**, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-4: Ancillary Equipment-PCB Terminal Blocks for Copper Conductors (reaffirmation of ANSI/UL 60947-7-4-2018)
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- ANSI/UL 61010-2-051-2015, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 051: Particular Requirements for Laboratory Equipment for Mixing and Stirring  (identical national adoption of IEC 61010-2-051)
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<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>
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<td>ANSI/UL 61215-1-3-2018</td>
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<td>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)</td>
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<td>ANSI/UL 61215-1-4-2021</td>
<td>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)</td>
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- Public Review Date: Sep 4, 2020
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## ANSI/UL 618-2010 (R2020), Standard for Concrete Masonry Units (reaffirmation of ANSI/UL 618-2010 (R2015))
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## ANSI/UL 6200-2019, Standard for Safety for Controllers for Use in Power Production (new standard)
- PINS Date: Jun 10, 2016
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## ANSI/UL 62091-2020, Standard for Safety for Low-Voltage Switchgear and Controlgear- Controllers for Drivers of Stationary Fire Pumps (national adoption with modifications of IEC 62091)
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## ANSI/UL 621-2015, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2010a)
- Public Review Date: Jun 26, 2015
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- Public Review Date: Dec 29, 2017
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## ANSI/UL 621-2019, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2018)
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## ANSI/UL 621-2020, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2005)
- Public Review Date: Jul 17, 2020
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- ANSI/UL 62133-1-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems (national adoption with modifications of IEC 62133-1)
  PINS Date: Sep 8, 2017 | Public Review Date: Apr 12, 2019 | Final Action Date: Jan 10, 2020 | Approved

- ANSI/UL 62133-2-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems (national adoption with modifications of IEC 62133-2)
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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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- 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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- 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 - Part 3-1: Particular Requirements For Transportable Table Saws (revision of ANSI/UL 62841-3-1-2017)
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- 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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- 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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- 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)
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- ANSI/UL 62841-3-4-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn And Garden Machinery - Safety - Part 3-4 Particular Requirements For Transportable Bench Grinders (identical national adoption of IEC 62841-3-4)
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- ANSI/UL 62841-3-4-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn And Garden Machinery - Safety - Part 3-4: Particular Requirements for Transportable Bench Grinders (identical national adoption of IEC 62841-3-4 and revision of ANSI/UL 62841-3-4-2016)
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- ANSI/UL 62841-3-6-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)
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- ANSI/UL 62841-3-6-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn And Garden Machinery - Safety - Part 3-6 Particular Requirements for Transportable Diamond Drills and Liquid System (identical national adoption of IEC 62841-3-6 and revision of ANSI/UL 62841-3-6-2016)
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- 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)
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- 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)
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- ANSI/UL 644-2014 (R202x), Standard for Safety for Container Assemblies for LP-Gas (reaffirmation of ANSI/UL 644-2014)
  Public Review Date: Jul 26, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/UL 651-2022, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings (revision of ANSI/UL 651-2020)
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- ANSI/UL 651A-2016a, Standard for Safety for Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit (revision of ANSI/UL 651A-2016a)
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- ANSI/UL 668-2021, Standard for Hose Valves for Fire-Protection Service (August 6, 2021) (revision of ANSI/UL 668-2016)
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- ANSI/UL 674-2020, Standard for Safety for Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations (revision of ANSI/UL 674-2017)
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- 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)
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- ANSI/UL 687-2011 (R2020), Standard for Burglary Resistant Safes (reaffirmation of ANSI/UL 687-2011 (R2015))
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- ANSI/UL 697-2012 (R2016), Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012)
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<td>ANSI/UL 719-2018a, Standard for Safety for Non-Metallic Sheathed Cable</td>
<td>(revision of ANSI/UL 719-2018)</td>
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<tr>
<td>ANSI/UL 719-2022, Standard for Nonmetallic Sheathed Cable (December 10, 2021)</td>
<td>(revision of BSR/UL 719-202x)</td>
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<td>ANSI/UL 731-2004 (R2021), Standard for Safety for Oil-Fired Unit Heaters</td>
<td>(reaffirmation of ANSI/UL 731-2004 (R2016))</td>
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  Public Review Date: Oct 19, 2018 | Final Action Date: Dec 10, 2018 | Approved

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  Public Review Date: Apr 17, 2020 | Final Action Date: May 29, 2020 | Approved

  Public Review Date: Jan 29, 2021 | Final Action Date: Apr 28, 2021 | Approved

- ANSI/UL 746B-2021a, Standard for Safety for Polymeric Materials – Long Term Property Evaluations  (revision of ANSI/UL 746B-2021)
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 15, 2021 | Approved

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  Public Review Date: Mar 27, 2020 | Final Action Date: Dec 16, 2020 | Approved

  Public Review Date: Jan 22, 2021 | Final Action Date: May 13, 2021 | Approved

- ANSI/UL 758-2021a, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
  Public Review Date: Jun 18, 2021 | Final Action Date: Aug 17, 2021 | Approved

- ANSI/UL 758-2021b, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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  Public Review Date: Dec 20, 2019 | Final Action Date: Mar 27, 2020 | Approved

- ANSI/UL 768-2013 (R2018), Standard for Combination Locks (reaffirmation of ANSI/UL 768-2013)
  Public Review Date: May 25, 2018 | Final Action Date: Jul 12, 2018 | Approved

  Public Review Date: Aug 14, 2020 | Final Action Date: Nov 3, 2020 | Approved
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## ANSI/UL 79-2016, Standard for Safety for Power-Operated Pumps for Petroleum Dispensing Products (revision of ANSI/UL 79-2010 (R2014))
- Public Review Date: Mar 18, 2016 |
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## ANSI/UL 796-2019, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016)
- Public Review Date: Sep 21, 2018 |
- Final Action Date: Jul 19, 2019 |
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## ANSI/UL 796-2019a, Standard for Safety for Printed-Wiring Boards (revision of ANSI/UL 796-2016)
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- Final Action Date: Jul 19, 2019 |
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- Final Action Date: Aug 4, 2021 |
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## ANSI/UL 796-2022, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2021)
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- Final Action Date: Mar 25, 2022 |
- Status: Approved

## ANSI/UL 796-2022a, Standard for Safety for Printed Wiring Boards (revision of ANSI/UL 796-2022)
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- **ANSI/UL 797-2021**, Standard for Electrical Metallic Tubing - Steel (revision of ANSI/UL 797-2012 (R2017))
  - Public Review Date: Jul 24, 2020 | Final Action Date: Mar 30, 2021 | Approved

  - Public Review Date: Dec 2, 2016 | Final Action Date: Jan 20, 2017 | Approved

  - Public Review Date: Aug 14, 2020 | Final Action Date: Nov 20, 2020 | Approved

- **ANSI/UL 797A-2021**, Electrical Metallic Tubing - Aluminum and Stainless Steel (revision of ANSI/UL 797A-2020)
  - Public Review Date: Sep 10, 2021 | Final Action Date: Nov 17, 2021 | Approved

  - Public Review Date: Mar 18, 2016 | Final Action Date: May 5, 2016 | Approved

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  - 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
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- ANSI/UL 8-2020, Standard for Water Based Agent Fire Extinguishers (revision of ANSI/UL 8-2016)
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- ANSI/UL 80-2009 (R2019), Standard for Safety for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids
  (reaffirmation of ANSI/UL 80-2009 (R2014))
  Public Review Date: Feb 15, 2019 | Final Action Date: Apr 26, 2019 | Approved

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- ANSI/UL 80079-37-2021, Safety for Explosive Atmospheres - Part 37: Non-Electrical Equipment for Explosive Atmospheres – Non Electrical Type of Protection Constructional 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

- ANSI/UL 810B-2021, Standard for Safety for DC Power Capacitors (revision of ANSI/UL 810B-2016)
  Public Review Date: Apr 2, 2021 | Final Action Date: Jun 10, 2021 | Approved

  PINS Date: May 27, 2016 | Public Review Date: Oct 6, 2017 | Final Action Date: Apr 27, 2018 | Approved

- ANSI/UL 8139-2018a, Standard for Safety for Electrical Systems of Electronic Cigarettes and Vaping Devices (new standard)
  PINS Date: May 27, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Apr 27, 2018 | Approved

  Public Review Date: Mar 13, 2020 | Final Action Date: Jul 6, 2020 | Approved

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- ANSI/UL 83-2017a, Standard for Safety for Thermoplastic-Insulated Wires and Cables (proposal dated 7-1-16)
  Public Review Date: Jul 1, 2016 | Final Action Date: Jul 28, 2017 | Approved

- ANSI/UL 83-2020, Standard for Safety for Thermoplastic-Insulated Wires and Cables
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- ANSI/UL 83A-2016 (R2021), Standard for Safety for Fluoropolymer Insulated Wire
  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

- ANSI/UL 840-2012 (R2022), Standard for Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment
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  Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2017 | Approved
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- ANSI/UL 842B-2020, Standard For Safety For Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 842B-2015)
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- ANSI/UL 8750-2021a, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (revision of ANSI/UL 8750-2021)
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- ANSI/UL 879A-2016 (R2022), Standard for Safety for LED Sign and Sign Retrofit Kits (reaffirmation of ANSI/UL 879A-2016)
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- **ANSI/UL 884-2016 (R2020)**, Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016)
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- ANSI/UL 920004-2014 (R2022), Standard for Safety for Performance Requirements for Open Path Toxic Gas Detectors (reaffirmation of ANSI/UL 920004-2014 (R2017))
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- ANSI/UL 923-2015b, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2013a)
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- ANSI/UL 923-2015c, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2015a)
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<td>ANSI/UL 9595-2021, Standard for Factory Follow-Up Services for Personal Flotation Devices (revision of ANSI/UL 9595-2020)</td>
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## ANSI/UL Standards

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Approved American National Standards

ULSE (UL Standards & Engagement)

  Public Review Date: Apr 15, 2016 | Final Action Date: Nov 30, 2016 | Approved

  Public Review Date: Sep 9, 2016 | Final Action Date: Nov 30, 2016 | Approved

- ANSI/UL 982-2017, Standard For Safety For Motor-Operated Household Food Preparing Machines (revision of ANSI/UL 982-2016)
  Public Review Date: May 26, 2017 | Final Action Date: Oct 25, 2017 | Approved

  Public Review Date: Sep 1, 2017 | Final Action Date: Oct 25, 2017 | Approved

  Public Review Date: Jun 21, 2019 | Final Action Date: Sep 27, 2019 | Approved

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  Public Review Date: Feb 14, 2020 | Final Action Date: May 1, 2020 | Approved

- ANSI/UL 998-2020, Standard for Safety for Humidifiers (proposal dated 8/9/19) (revision of ANSI/UL 998-2016a)
  Public Review Date: Aug 16, 2019 | Final Action Date: Apr 9, 2020 | Approved

- ANSI/UL 998-2022, Standard for Safety for Humidifiers (revision of ANSI/UL 998-2016)
  Public Review Date: Mar 4, 2022 | Final Action Date: Jul 5, 2022 | Approved
USEMCSC (United States EMC Standards Corp.)
32515 Nottingham Court, P.O. Box 367, Lindstrom, MN  55045

- ANSI C63.10-2020, Standard of procedures for compliance testing of unlicensed wireless devices (revision of ANSI C63.10-2013)
  PINS Date: Nov 27, 2015 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 10, 2020 | Approved

  PINS Date: May 7, 2010 | Public Review Date: Jul 4, 2014 | Final Action Date: Aug 28, 2014 | Approved

- ANSI C63.2-2016, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz Specifications (revision of ANSI C63.2-2009)
  PINS Date: May 24, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Jun 12, 2009 | Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved

- ANSI C63.5-2019, Draft Standard for Electromagnetic Compatibility - Radiated Emission Measurements in Electromagnetic Interference (EMI) Control - Calibration and Qualification of Antennas (9 kHz to 40 GHz) Corrigendum 1 (revision of ANSI C63.5-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 3, 2019 | Approved

- ANSI C63.9-2008 (R2014), Standard for RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts (reaffirmation of ANSI C63.9-2008)
  Public Review Date: Dec 27, 2013 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/IEEE C63.4-2014, Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (revision of ANSI C63.4-2009)
  PINS Date: Mar 11, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Jun 13, 2014 | Approved

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

  PINS Date: Jan 22, 2016 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 27, 2017 | Approved

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

  PINS Date: Oct 13, 2017 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

- ANSI Z80.10-2018, Tonometers (revision of ANSI Z80.10-2014)
  PINS Date: Oct 13, 2017 | Public Review Date: Jun 29, 2018 | Final Action Date: Sep 27, 2018 | Approved

- ANSI Z80.11-2012 (R2017), Laser Systems for Corneal Reshaping (reaffirmation of ANSI Z80.11-2012)
  PINS Date: Jun 27, 2014 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 11, 2017 | Approved

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

  Public Review Date: Oct 13, 2017 | Final Action Date: Dec 11, 2017 | Approved
## ANSI Z80 Standards Overview

### VC (ASC Z80) (The Vision Council)

- **ANSI Z80.17-2013 (R2018), Focimeters** (reaffirmation of ANSI Z80.17-2013)
  - Public Review Date: Apr 6, 2018 | Final Action Date: Jun 13, 2018 | Approved

- **ANSI Z80.18-2016 (R2021), Ophthalmics - Contact Lens Care Products - Vocabulary, Performance Specifications, And Test Methodology** (reaffirmation of ANSI Z80.18-2016)
  - Public Review Date: Jun 18, 2021 | Final Action Date: Sep 9, 2021 | Approved

- **ANSI Z80.20-2016 (R2021), Ophthalmics - Contact Lenses - Standard Terminology, Tolerances, Measurements And Physicochemical Properties** (reaffirmation of ANSI Z80.20-2016)
  - Public Review Date: Jun 18, 2021 | Final Action Date: Sep 9, 2021 | Approved

- **ANSI Z80.21-2020, Instruments – General-Purpose Clinical Visual Acuity Charts** (revision of ANSI Z80.21-2010 (R2015))
  - PINS Date: Aug 24, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Jan 24, 2020 | Approved

  - PINS Date: Oct 13, 2017 | Public Review Date: Sep 21, 2018 | Final Action Date: Nov 9, 2018 | Approved

- **ANSI Z80.27-2014 (R2019), Implantable Glaucoma Devices** (reaffirmation of ANSI Z80.27-2014)
  - Public Review Date: Oct 4, 2019 | Final Action Date: Dec 9, 2019 | Approved

  - PINS Date: Aug 20, 2021 | Public Review Date: Apr 22, 2022 | Final Action Date: Jul 11, 2022 | Approved

  - Public Review Date: Aug 7, 2020 | Final Action Date: Sep 28, 2020 | Approved

- **ANSI Z80.3-2018, Nonprescription Sunglass and Fashion Eyewear Requirements** (revision of ANSI Z80.3-2015)
  - PINS Date: Oct 6, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 14, 2018 | Approved

- **ANSI Z80.31-2017, Ophthalmic Optics - Specifications for Ready-to-Wear Near-Vision Spectacles** (revision of ANSI Z80.31-2012)
  - PINS Date: Mar 31, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Dec 12, 2017 | Approved

- **ANSI Z80.35-2018, Extended Depth of Focus (EDF) Lenses** (new standard)
  - PINS Date: Nov 7, 2014 | Public Review Date: Jul 27, 2018 | Final Action Date: Sep 25, 2018 | Approved

- **ANSI Z80.36-2021, Light Hazard Protection for Ophthalmic Instruments** (revision of ANSI Z80.36-2016)
  - PINS Date: Mar 13, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 9, 2021 | Approved

  - Public Review Date: Aug 20, 2021 | Final Action Date: Nov 9, 2021 | Approved

  - Public Review Date: Aug 20, 2021 | Final Action Date: Nov 9, 2021 | Approved

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

- **ANSI Z80.9-2020, Devices for Low Vision** (revision of ANSI Z80.9-2010 (R2015))
  - PINS Date: Aug 24, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Apr 9, 2020 | Approved
Approved American National Standards

VC (ASC Z80) (The Vision Council)

- 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))

929 W. Portobello Avenue, Mesa, AZ  85210 | w: www.vita.com

  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, 2018 | 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

- 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
VITA (VMEbus International Trade Association (VITA))

- 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: Jul 6, 2020 | Final Action Date: Jul 10, 2020 | Approved

- ANSI/VITA 42.6-2009 (R2015), XMC 10 Gigabit Ethernet 4-Lane Protocol Layer Standard (reaffirmation of ANSI/VITA 42.6-2009)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 31, 2015 | Approved

- ANSI/VITA 46.0-2019, VPX Baseline Standard (revision of ANSI/VITA 46.0-2013)
  PINS Date: Dec 15, 2017 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 1, 2019 | Approved

  Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/VITA 46.10-2009 (R2015), Rear Transition Module for VPX (reaffirmation of ANSI/VITA 46.10-2009)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 31, 2015 | Approved

- ANSI/VITA 46.11-2022, System Management on VPX Standard (revision of ANSI/VITA 46.11-2015)
  PINS Date: Sep 4, 2020 | Public Review Date: Oct 22, 2021 | Final Action Date: Jan 18, 2022 | Approved

- ANSI/VITA 46.3-2012 (R2018), Serial RapidIO on VPX Fabric Connector (reaffirmation of ANSI/VITA 46.3-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: Jun 13, 2018 | Approved

- ANSI/VITA 46.30-2020, Higher Data Rate VPX (new standard)
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- ANSI/VITA 46.4-2012 (R2018), 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

- ANSI/VITA 47.0-2019, Construction, Safety, and Quality for Plug-In Modules Standard (new standard)
  PINS Date: Dec 8, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 9, 2019 | Approved

  PINS Date: Dec 8, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 29, 2019 | Approved
VITA (VMEbus International Trade Association (VITA))

- ANSI/VITA 47.2-2019, Class 2 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-in Modules Dot Standards (new standard)
  PINS Date: Dec 22, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 29, 2019 | Approved

- ANSI/VITA 47.3-2019, Class 3 Requirements for Environments, Design and Construction, Safety, and Quality for VITA 47 Plug-In Modules Dot Standard (new standard)
  PINS Date: Dec 22, 2017 | Public Review Date: Jul 6, 2018 | Final Action Date: Aug 29, 2019 | Approved

  PINS Date: Nov 27, 2015 | Public Review Date: Apr 24, 2020 | Final Action Date: Jul 10, 2020 | Approved

  PINS Date: Nov 27, 2015 | Public Review Date: Mar 1, 2019 | Final Action Date: Jul 10, 2020 | Approved

- ANSI/VITA 48.4-2022x, Liquid Flow Thru VPX Plug In Module Standard (revision of ANSI/VITA 48.4-2018)
  PINS Date: Mar 26, 2021 | Public Review Date: Mar 11, 2022 | Final Action Date: Sep 29, 2022 | Approved

  PINS Date: Dec 7, 2012 | Public Review Date: Nov 27, 2015 | Final Action Date: Dec 11, 2017 | Approved

  PINS Date: Dec 7, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Oct 27, 2014 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: Jan 6, 2017 | Final Action Date: Apr 13, 2017 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Sep 2, 2021 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Sep 2, 2021 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Aug 3, 2017 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Sep 2, 2021 | Approved

- ANSI/VITA 51.0-2012 (R2018), Reliability Prediction (reaffirmation of ANSI/VITA 51.0-2012)
  Public Review Date: Aug 25, 2017 | Final Action Date: May 21, 2018 | Approved

  Public Review Date: Jul 20, 2018 | Final Action Date: Oct 10, 2018 | Approved

- ANSI/VITA 51.2-2016, Physics of Failure Reliability Predictions (revision of ANSI/VITA 51.2-2011)
  PINS Date: Oct 2, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: May 17, 2016 | Approved

- ANSI/VITA 51.3-2010 (R2016), Qualification and Environmental Stress Screening in Support of Reliability Predictions (reaffirmation of ANSI/VITA 51.3-2010)
  Public Review Date: Feb 6, 2015 | Final Action Date: Aug 24, 2016 | Approved
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VITA (VMEbus International Trade Association (VITA))

- ANSI/VITA 68.0-2017, VPX Compliance Channel Standard  (new standard)
  PINS Date: Apr 30, 2010 | Public Review Date: Jul 28, 2017 | Final Action Date: Dec 4, 2017 | Approved

- ANSI/VITA 68.1-2017, VPX Compliance Channel - Fixed Signal Integrity Budget Standard  (new standard)
  PINS Date: Apr 14, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Dec 4, 2017 | Approved

- ANSI/VITA 68.2-2021, VPX Standard S-Parameter Definition (new standard)  (new standard)
  PINS Date: Nov 29, 2019 | Public Review Date: Feb 5, 2021 | Final Action Date: Apr 13, 2021 | Approved

- ANSI/VITA 74.0-2017, Compliant System Small Form Factor Module Base Standard  (new standard)
  PINS Date: Mar 9, 2012 | Public Review Date: Aug 11, 2017 | Final Action Date: Dec 4, 2017 | Approved

- ANSI/VITA 76-2016 (R2021), High Performance Cable Standard - Ruggedized 10 Gbaud Bulkhead Connector for Cu and AOC Cables  (reaffirmation of ANSI/VITA 76-2016)
  Public Review Date: Feb 5, 2021 | Final Action Date: Sep 2, 2021 | Approved

  PINS Date: May 11, 2018 | Public Review Date: Dec 24, 2021 | Final Action Date: Aug 18, 2022 | Approved

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

- ANSI/VITA 88.0-2021, Switched Mezzanine Card Plus (XMC+) Standard  (new standard)
  PINS Date: Feb 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Dec 9, 2021 | Approved

WCMA (Window Covering Manufacturers Association)

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

- ANSI/WCMA A100.1-2018, Standard for Safety of Window Covering Products  (revision of ANSI/WCMA A100.1-2014)
  PINS Date: May 12, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 8, 2018 | Approved

WDMA (Window and Door Manufacturers Association)

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

  PINS Date: Mar 16, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Jan 15, 2021 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Jan 15, 2021 | Approved

WMA (World Millwork Alliance)

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

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

WMMA (ASC 01) (Wood Machinery Manufacturers of America)

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

- ANSI O1.1-2013, Standard for Woodworking Machinery Safety Requirements  (revision of ANSI O1.1-2009)
  PINS Date: Feb 22, 2013 | Public Review Date: May 24, 2013 | Final Action Date: Aug 22, 2013 | Approved
WMMA (ASC O1) (Wood Machinery Manufacturers of America)

  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 | w: www.x12.org

- ANSI X12 Series, A collection of all ANSI-approved X12 standards. Individual X12 standards not available separately (revision, redesignation and consolidation of )
  Final Action Date: Oct 16, 2015 | Approved

  PINS Date: May 24, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jul 9, 2020 | Approved