Approved American National Standards

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

Listed below are Approved American National Standards (ANS) as of 1/4/2022. 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 IndustrialMobileRobot  (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 H35.5-2017, Standard Nomenclature System for Aluminum Metal Matrix Composite Matierals  (reaffirmation of ANSI H35.5-2013)
  PINS Date: Nov 18, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Nov 14, 2017 | Approved
AABC (Associated Air Balance Council)
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 Std 111-2020, Standard for Training in Mitochondrial DNA (mtDNA) Analysis for Taxonomic Identification (new standard)
PINS Date: Feb 8, 2019 | Public Review Date: Oct 18, 2019 | Final Action Date: Jun 22, 2020 | Approved

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

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

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

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

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

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

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

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

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

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

- 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 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

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
AAFS (American Academy of Forensic Sciences)

- 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

- ANSI/ASB Std 072-2019, Standards for the Validation of Procedures in Bloodstain Pattern Analysis (new standard)
  PINS Date: Apr 6, 2018 | Public Review Date: Aug 10, 2018 | Final Action Date: May 3, 2019 | Approved

- ANSI/ASB Std 077-2020, Standard for the Developmental and Internal Validation of Forensic Serological Methods (new standard)
  PINS Date: Aug 24, 2018 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 16, 2020 | Approved
## Approved American National Standards

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<tr>
<td>ANSI/ASB Std 105-2021</td>
<td>Minimum Education Requirements for Firearm and Toolmark Examiner Trainees  (new standard)</td>
<td>Nov 9, 2018</td>
<td>Aug 30, 2019</td>
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**AAFS (American Academy of Forensic Sciences)**

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

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

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

  - 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
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<td>ANSI/AAMI CN27-2021</td>
<td>General requirements for Luer activated valves (LAVs) incorporated into medical devices for intravascular applications (new standard)</td>
<td>Approved</td>
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<td>ANSI/AAMI EC57-2012 (R2020)</td>
<td>Testing and reporting performance results of cardiac rhythm and ST segment measurement algorithms (reaffirmation of ANSI/AAMI EC57-2012)</td>
<td>Approved</td>
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<td>ANSI/AAMI EQ56-2013, Recommended practice for a medical equipment management program (revision of ANSI/AAMI EQ56-1999 (R2008))</td>
<td>Approved</td>
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<td>ANSI/AAMI EQ93-2019, Medical equipment management - Vocabulary used in medical equipment programs (new standard)</td>
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<td>ANSI/AAMI HE75-2009 (R2018), Human factors engineering - Design of medical devices (reaffirmation of ANSI/AAMI HE75-2009 (R2013))</td>
<td>Approved</td>
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<td>ANSI/AAMI NS4-2013 (R2017), Transcutaneous electrical nerve stimulators (reaffirmation of ANSI/AAMI NS4-2013)</td>
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AAMI (Association for the Advancement of Medical Instrumentation)

  PINS Date: Jan 23, 2009 | Public Review Date: Jul 1, 2011 | Final Action Date: Jun 21, 2012 | 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

  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
AAMI (Association for the Advancement of Medical Instrumentation)

  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

  PINS Date: Feb 22, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Dec 18, 2020 | Approved

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

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

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

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

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

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

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

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

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

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

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

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  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

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AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

### ANSI/AAMI/ISO 11138-7-2019, Sterilization of health care products -- Biological indicators -- Part 7: Guidance for the selection, use and interpretation of results (identical national adoption of ISO 11138-7:2019)
- **PINS Date:** Sep 8, 2017 | **Public Review Date:** Jun 14, 2019 | **Final Action Date:** Nov 21, 2019 | **Approved**
# Approved American National Standards

The data in this document is reported as of Tuesday, January 4, 2022

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<td>ANSI/AAMI/ISO 11140-4-2012</td>
<td>Sterilization Of Health Care Products - Chemical Indicators - Part 4: Class 2 Indicators As An Alternative To Bowie And Dick Test For Detection Of Steam Penetration</td>
<td>(reaffirm a national adoption ANSI/AAMI/ISO 11140-4-2007 (R2012))</td>
<td>Public Review Date: Sep 4, 2015</td>
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<td>ANSI/AAMI/ISO 11658-2012</td>
<td>Cardiovascular implants and extracorporeal systems - Blood/tissue contact surface modifications for extracorporeal perfusion systems</td>
<td>(identical national adoption of ISO 11658)</td>
<td>PINS Date: Oct 23, 2009</td>
<td>Public Review Date: May 6, 2011</td>
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## AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

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

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

  PINS Date: Aug 30, 2019 | Public Review Date: Mar 13, 2020 | Final Action Date: Dec 7, 2020 | Approved
AAMI (Association for the Advancement of Medical Instrumentation)

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

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

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

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

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

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

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

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

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

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

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

- ANSI/AAMI/ISO 15676-2016, Cardiovascular implants and artificial organs - Requirements for single-use tubing packs for cardiopulmonary bypass and extracorporeal membrane oxygenation (ECMO) (identical national adoption of ISO 15676)
  PINS Date: Apr 10, 2015 | Public Review Date: May 8, 2015 | Final Action Date: Nov 7, 2016 | Approved
Public Review Date: Jun 28, 2013 | Final Action Date: Oct 4, 2013 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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  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

  - 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

  - PINS Date: Aug 17, 2007 | Public Review Date: Sep 19, 2014 | Final Action Date: May 26, 2015 | Approved

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

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

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

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

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

**ABMA (American Brush Manufacturers Association)**

- ANSI B165.1-2019, Power Driven Brushing Tools -Safety Requirements for Design, Care and Use (revision of ANSI B165.1-2013)
  - PINS Date: Aug 17, 2018 | Public Review Date: Nov 2, 2018 | Final Action Date: Jan 11, 2019 | **Approved**

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

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

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

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

  - PINS Date: Dec 4, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Aug 2, 2021 | **Approved**
ABMA (ASC B3) (American Bearing Manufacturers Association)

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

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

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

  Public Review Date: May 29, 2020 | Final Action Date: Sep 3, 2020 | Approved
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Public Review Date: Nov 1, 2013 | Final Action Date: Jan 10, 2014 | Approved
ABMSP (American Board of Multiple Specialties in Podiatry)
555 Eighth Avenue, Suite 1902, New York, NY 10018 | w: http://www.abmsp.org

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

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

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

ABYC (American Boat and Yacht Council)
613 Third Street, Suite 10, Annapolis, MD 21403 | w: www.abycinc.org

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

  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

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  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

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<td>ANSI/ABYC P-22-2018, Steering Wheels</td>
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<td>ANSI/ABYC P-4-2019, Marine Inboard Engines and Transmissions</td>
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<td>PINS Date: Sep 23, 2016</td>
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<td>ANSI/ABYC S-7-2020, Boat Capacity Labels</td>
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<td>ANSI/ABYC S-8-2021, BOAT MEASUREMENT AND WEIGHT</td>
<td>(revision of ANSI/ABYC S-8-2016)</td>
<td>Approved</td>
<td>PINS Date: Oct 23, 2020</td>
<td>Public Review Date: Mar 12, 2021</td>
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**ACCA (Air Conditioning Contractors of America)**

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

### Approved American National Standards

**ACCA (Air Conditioning Contractors of America)**

  - 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**

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**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**

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**ACDE (Association of Commercial Diving Educators)**

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

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

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**ACI (American Concrete Institute)**

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

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

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*Provided by American National Standards Institute  www.ansi.org  Tuesday, January 4, 2022*
**ACI (American Concrete Institute)**

- ANSI/ACI 562-2020, Code Requirements for Evaluation, Repair, and Rehabilitation of Concrete Buildings (ACI 562-XX) and Commentary (new standard)
  - PINS Date: Sep 21, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Feb 10, 2020 | Approved

**ACMA (American Composites Manufacturers Association)**

  - PINS Date: Nov 27, 2015 | Public Review Date: Mar 30, 2018 | Final Action Date: Jul 31, 2019 | Approved
  - PINS Date: Feb 17, 2017 | Public Review Date: Apr 14, 2017 | Final Action Date: Aug 30, 2017 | Approved
  - PINS Date: Mar 25, 2016 | Public Review Date: Dec 1, 2017 | Final Action Date: Sep 13, 2018 | Approved
  - PINS Date: Aug 19, 2011 | Public Review Date: Oct 7, 2011 | Final Action Date: Feb 23, 2012 | Approved

**ACP (American Clean Power Association)**

  - PINS Date: Jun 12, 2020 | Public Review Date: May 21, 2021 | Final Action Date: Dec 21, 2021 | Approved
  - PINS Date: Mar 24, 2017 | Public Review Date: May 19, 2017 | Final Action Date: Aug 18, 2017 | Approved
- ANSI/AWEA 61400-12-1-2016, Power performance measurements of electricity producing wind turbines (identical national adoption of IEC 61400-12-1 (2005))
  - PINS Date: Oct 9, 2015 | Public Review Date: Mar 25, 2016 | Final Action Date: Jun 23, 2016 | Approved
  - PINS Date: Mar 24, 2017 | Public Review Date: May 19, 2017 | Final Action Date: Aug 18, 2017 | Approved
  - PINS Date: May 19, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 21, 2017 | Approved
  - PINS Date: May 19, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Dec 21, 2017 | Approved

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

  - PINS Date: Jan 12, 2018 | Public Review Date: Jun 29, 2018 | Final Action Date: Oct 31, 2018 | Approved
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<td>(reaffirmation of ANSI/ADA Standard No. 1058-2010 (R2015))</td>
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<td>ANSI/ADA Standard No. 1084-2019, Reference Core Data Set for Communication Among Dental and Other Health Information Systems</td>
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  PINS Date: Sep 14, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | 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

  PINS Date: Mar 17, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Dec 6, 2013 | Public Review Date: Aug 25, 2017 | Final Action Date: Dec 17, 2015 | Approved

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

  PINS Date: Sep 1, 2006 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

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

- ANSI/ADA Standard No. 120-2009 (R2014), Powered Toothbrushes (reaffirm a national adoption ANSI/ADA Specification No. 120-2009)
  Public Review Date: Feb 14, 2014 | Final Action Date: Sep 8, 2014 | Approved

  Public Review Date: Feb 15, 2019 | Final Action Date: Aug 26, 2019 | Approved

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

  PINS Date: Aug 11, 2017 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

  PINS Date: Aug 11, 2017 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

  PINS Date: May 30, 2008 | Public Review Date: Sep 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved
ADA (Organization) (American Dental Association)

  PINS Date: Feb 13, 2009 | Public Review Date: Nov 14, 2014 | Final Action Date: May 29, 2015 | Approved

  PINS Date: Aug 11, 2017 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

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

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

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

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

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  PINS Date: Aug 11, 2017 | Public Review Date: Nov 17, 2017 | Final Action Date: May 18, 2018 | Approved

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<td>May 6, 2011</td>
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**ADA (Organization) (American Dental Association)**

- **ANSI/ADA Standard No. 35-2019**, Dental Handpieces and Motors  
  (identical national adoption of ISO 14457:2017)  
  PINS Date: Sep 14, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Aug 26, 2019 | Approved

- **ANSI/ADA Standard No. 37-2001 (R2020)**, Dental Abrasive Powders  
  (reaffirmation of ANSI/ADA Standard No. 37-2001 (R2015))  
  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved

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

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

  (reaffirmation and redesignation of ANSI/ADA/ISO No. 3950-2010)  
  Public Review Date: Aug 21, 2015 | Final Action Date: Dec 30, 2015 | Approved

- **ANSI/ADA Standard No. 41-2020**, Evaluation of Biocompatibility of Medical Devices Used in Dentistry  
  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | Approved

- **ANSI/ADA Standard No. 43-2020**, Electrically Powered Dental Amalgamators  
  (identical national adoption of ISO7488:2018 and revision of ANSI/ADA Standard No. 43-1986 (R2015))  
  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | Approved

  (national adoption of ISO 7494-1:2018 with modifications and revision of ANSI/ADA Standard No. 47-2006 (R2017))  
  PINS Date: Aug 30, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

  (national adoption with modifications of ISO 7494-2:2015)  
  PINS Date: Aug 30, 2019 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

- **ANSI/ADA Standard No. 48-2020**, Curing Lights (Powered Polymerization Activators)  
  (identical national adoption of ISO 10650:2018 and revision of ANSI/ADA Standard No. 48-2004 (R2015))  
  PINS Date: Aug 30, 2019 | Public Review Date: Jan 31, 2020 | Final Action Date: May 7, 2020 | Approved

- **ANSI/ADA Standard No. 53-2020**, Polymer-Based Crown and Veneering Materials  
  (identical national adoption of ISO 10477:2018 and revision of ANSI/ADA Standard No. 53-2008 (R2013))  
  PINS Date: Dec 21, 2018 | Public Review Date: Aug 30, 2019 | Final Action Date: Jan 31, 2020 | Approved

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

- **ANSI/ADA Standard No. 57-2021**, Endodontic Sealing Materials  
  (national adoption of ISO 6876:2012 with modifications and revision of ANSI/ADA Standard No. 57-2000 (R2012))  
  PINS Date: Aug 21, 2020 | Public Review Date: Mar 12, 2021 | Final Action Date: Jul 7, 2021 | Approved

- **ANSI/ADA Standard No. 62-2005 (R2020)**, Dental Abrasive Pastes  
  (reaffirmation of ANSI/ADA Standard No. 62-2005 (R2015))  
  Public Review Date: Aug 21, 2020 | Final Action Date: Dec 18, 2020 | Approved
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<td>Dental Obturating Cones</td>
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<td>ANSI/ADA Standard No. 88-2019, Dental Brazing Alloys</td>
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ADA (Organization) (American Dental Association)

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

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

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

AGA (ASC B109) (American Gas Association)

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

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

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

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

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

AGA (ASC Z223) (American Gas Association)

  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: May 24, 2019 | Final Action Date: Jul 31, 2019 | Approved

  Public Review Date: Jun 1, 2018 | Final Action Date: Sep 20, 2018 | Approved

  Public Review Date: Sep 21, 2018 | Final Action Date: Feb 1, 2019 | Approved
## AGA (ASC Z380) (American Gas Association)

  - (revision of ANSI/GPTC Z380.1-2018)
  - Public Review Date: Jan 25, 2019 | Final Action Date: May 21, 2019 | Approved

  - (addenda to ANSI/GPTC Z380.1-2018)
  - Public Review Date: Sep 20, 2019 | Final Action Date: Dec 19, 2019 | Approved

  - (addenda to ANSI/GPTC Z380.1-2018)
  - Public Review Date: May 1, 2020 | Final Action Date: Jan 22, 2021 | Approved

## AGMA (American Gear Manufacturers Association)

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

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

- **ANSI/AGMA 1010-2014 (R2020), Appearance of Gear Teeth - Terminology of Wear and Failure**
  - (reaffirmation of ANSI/AGMA 1010-2014)
  - Public Review Date: Apr 26, 2019 | Final Action Date: Feb 6, 2020 | Approved

- **ANSI/AGMA 1012-2005 (R2011), Gear Nomenclature, Definitions of Terms with Symbols**
  - (reaffirmation of ANSI/AGMA 1012-2005)
  - Public Review Date: Jul 2, 2010 | Final Action Date: Mar 15, 2011 | Approved

- **ANSI/AGMA 1102-CXX-2019, Tolerance Specification for Gear Hobs**
  - (revision and redesignation of ANSI/AGMA 1102-2013)
  - PINS Date: Mar 16, 2018 | Public Review Date: May 10, 2019 | Final Action Date: Dec 5, 2019 | Approved

  - (reaffirmation of ANSI/AGMA 1103-2007 (R2014))
  - Public Review Date: May 10, 2019 | Final Action Date: Feb 6, 2020 | Approved

- **ANSI/AGMA 1104-2009 (R2020), Tolerance Specification for Shaper Cutters**
  - (reaffirmation of ANSI/AGMA 1104-2009 (R2015))
  - Public Review Date: Jun 5, 2020 | Final Action Date: Nov 19, 2020 | Approved

  - (reaffirmation of ANSI/AGMA 1106-A97 (R2009))
  - Public Review Date: Jun 13, 2014 | Final Action Date: Aug 29, 2016 | Approved

- **ANSI/AGMA 1107-AXX-2019, Tolerance Specification for Form Milling Cutters**
  - (new standard)
  - PINS Date: Jun 15, 2012 | Public Review Date: May 10, 2019 | Final Action Date: Dec 17, 2019 | Approved

- **ANSI/AGMA 2001-D04-2010 (R2016), Fundamental Rating Factors and Calculation Methods for Involute Spur and Helical Gear Teeth**
  - (reaffirmation of ANSI/AGMA 2001-D04 (R2010))
  - Public Review Date: Jul 17, 2015 | Final Action Date: Mar 16, 2016 | Approved

- **ANSI/AGMA 2002-DXX-2019, Tooth Thickness and Backlash Measurement of Cylindrical Involute Gearing**
  - (revision of ANSI/AGMA 2002-C-2016)
  - PINS Date: Oct 26, 2018 | Public Review Date: Jan 18, 2019 | Final Action Date: Dec 9, 2019 | Approved
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<td>ANSI/AGMA 6001-F-2019, Design and Selection of Components for Enclosed Gear Drives (revision and redesignation of ANSI/AGMA 6001-E-2008 (R2014))</td>
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<td>PINS Date: May 27, 2011</td>
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AGMA (American Gear Manufacturers Association)

- 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 SpeedReducers 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

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

  Public Review Date: Jun 4, 2021 | Final Action Date: Nov 29, 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 14, 2018 | Approved
### AGMA (American Gear Manufacturers Association)

  - Public Review Date: Apr 23, 2021 | Final Action Date: Oct 7, 2021 | Approved

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

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

  - PINS Date: Mar 20, 2020 | Public Review Date: Jul 17, 2020 | Final Action Date: Apr 9, 2021 | Approved

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

- **ANSI/AGMA 9000-D11-2011 (R2016)**, Flexible Couplings - Potential Unbalance Classification (reaffirmation of ANSI/AGMA 9000-2011)
  - Public Review Date: Jul 8, 2016 | Final Action Date: Dec 8, 2016 | Approved

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

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

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

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

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

  - PINS Date: Jul 31, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Apr 18, 2016 | 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
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AGMA (American Gear Manufacturers Association)

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

  Public Review Date: Jul 8, 2016 | Final Action Date: Dec 8, 2016 | 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

  Public Review Date: Jun 14, 2013 | Final Action Date: Mar 11, 2014 | 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

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

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

- ANSI/AHAM PAC-1-2015, Portable Air Conditioners (revision of ANSI/AHAM PAC-1-2009)
  PINS Date: Jan 25, 2013 | Public Review Date: Jul 11, 2014 | Final Action Date: Jun 19, 2015 | Approved

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### AHAM (Association of Home Appliance Manufacturers)

- **ANSI/AHAM RAC-1-2015, Room Air Conditioners** (revision of ANSI/AHAM RAC-1-2008)
  - PINS Date: Apr 12, 2013 | Public Review Date: Feb 14, 2014 | Final Action Date: May 13, 2015 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

  - Public Review Date: Aug 16, 2013 | Final Action Date: Oct 1, 2013 | Approved
AHRI (Air-Conditioning, Heating, and Refrigeration Institute)

  PINS Date: May 16, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  PINS Date: May 16, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

  PINS Date: Jan 16, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

  PINS Date: Jan 16, 2015 | Public Review Date: Aug 7, 2015 | Final Action Date: Nov 6, 2015 | Approved

- ANSI/AHRI Standard 1280-2015, Sound Power Rating of Water-cooled Chillers (new standard)
  Public Review Date: Feb 20, 2015 | Final Action Date: Jun 3, 2015 | Approved

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

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

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

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

  PINS Date: Jun 3, 2011 | Public Review Date: Aug 29, 2014 | Final Action Date: Apr 20, 2015 | Approved

- ANSI/AHRI Standard 1350 (I-P)-2014, Mechanical Performance Rating of Central Station Air-handling Unit Casings (new standard)
  PINS Date: Jan 16, 2015 | Public Review Date: Feb 20, 2015 | Final Action Date: May 19, 2015 | Approved

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

  PINS Date: May 9, 2014 | Public Review Date: May 20, 2016 | Final Action Date: Jul 8, 2016 | Approved

  PINS Date: May 9, 2014 | Public Review Date: May 20, 2016 | Final Action Date: Jul 8, 2016 | Approved

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

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

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

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

- 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

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

AIAA (American Institute of Aeronautics and Astronautics)

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

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

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

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  PINS Date: Jun 2, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Mar 14, 2019 | Approved
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### AIAA (American Institute of Aeronautics and Astronautics)

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<td>ANSI/AIAA S-102.2.4-2015</td>
<td>Capability-Based Product Failure Mode, Effects and Criticality Analysis (FMECA) Requirements</td>
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### AISC (American Institute of Steel Construction)

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<th>Standard</th>
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<td>ANSI/AISC 303-2016</td>
<td>Code of Standard Practice for Steel Buildings and Bridges (new standard)</td>
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<td>ANSI/AISC 358-S1-2018</td>
<td>Supplement No. 1 to AISC 358-16 Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (supplement to ANSI/AISC 358-2016)</td>
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AISC (American Institute of Steel Construction)

- ANSI/AISC 358-S2-2020, Supplement No. 2 to AISC 358-16 Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications (supplement to ANSI/AISC 358-16; ANSI/AISC 358s1-18)
  PINS Date: May 17, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Apr 10, 2020 | Approved

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

  PINS Date: Dec 20, 2013 | Public Review Date: Dec 5, 2014 | Final Action Date: Aug 11, 2015 | Approved

AISI (American Iron and Steel Institute)

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

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

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

- ANSI/AISI S201-2017, North American Standard for Cold-Formed Steel Framing - Product Data (revision of ANSI/AISI S201-2012)
  PINS Date: Aug 28, 2020 | Final Action Date: Oct 19, 2020 | Approved

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

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

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

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

  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

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  PINS Date: Jul 18, 2014 | Public Review Date: Sep 27, 2019 | Final Action Date: Mar 13, 2020 | Approved
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<th>ALI (ASC A14) (American Ladder Institute)</th>
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<td>w: <a href="http://www.americanladderinstitute.org">www.americanladderinstitute.org</a></td>
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<td>ANSI A14.2-2017, Standard For Ladders - Portable Metal - Safety Requirements (new standard)</td>
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<td>ANSI A14.3-2008 (R2018), Standard for Ladders - Fixed - Safety Requirements (reaffirmation of ANSI A14.3-2008)</td>
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<td>ANSI A14.4-2018, Job Made Ladders (revision of ANSI A14.4-2009)</td>
<td>PINS Date: Dec 15, 2017</td>
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<td>ANSI A14.5-2017, Reinforced Plastic Ladders (new standard)</td>
<td>PINS Date: Dec 3, 2010</td>
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<td>ANSI A14.7-2012, Mobile Ladder Stands &amp; Mobile Ladder Stand Platforms (revision of)</td>
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<td>PINS Date: Feb 20, 2015</td>
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<td>ANSI/AMCA 214-2021, Test Procedure for Calculating Fan Energy Index for Commercial and Industrial Fans and Blowers (new standard)</td>
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AMCA (Air Movement and Control Association)

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

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  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)
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AMPP (Association for Materials Protection and Performance)

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

ANS (American Nuclear Society)

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

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

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

- ANSI/ANS 10.7-2013 (R2018), Non-Real-Time, High-Integrity Software for the Nuclear Industry - Developer Requirements (reaffirmation of ANSI/ANS 10.7-2013)
  Public Review Date: Jun 18, 2018 | Final Action Date: Aug 13, 2018 | Approved

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

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

  Public Review Date: Jan 26, 2018 | Final Action Date: Apr 10, 2018 | Approved

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

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

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

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

- ANSI/ANS 15.4-2016 (R2021), Selection and Training of Personnel for Research Reactors (reaffirmation of ANSI/ANS 15.4-2016)
  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

  PINS Date: May 31, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 18, 2018 | Approved
PINS Date: Jul 13, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Feb 22, 2019 | Approved

PINS Date: Apr 10, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Jul 24, 2020 | Approved

PINS Date: Jul 8, 2011 | Public Review Date: Nov 16, 2018 | Final Action Date: Mar 8, 2019 | Approved

Public Review Date: Aug 6, 2021 | Final Action Date: Oct 7, 2021 | Approved

PINS Date: Jul 8, 2011 | Public Review Date: Nov 18, 2016 | Final Action Date: Apr 11, 2017 | Approved

Public Review Date: Sep 2, 2016 | Final Action Date: Jan 24, 2017 | Approved

ANSI/ANS 19.3.4-2002 (R2017), The Determination of Thermal Energy Deposition Rates in Nuclear Reactors (reaffirmation of ANSI/ANS 19.3.4-2002 (R2008))
Public Review Date: Mar 10, 2017 | Final Action Date: May 18, 2017 | Approved

PINS Date: Jul 29, 2016 | Public Review Date: May 5, 2017 | Final Action Date: Aug 24, 2017 | Approved

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

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

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

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

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

Public Review Date: Feb 5, 2016 | Final Action Date: Apr 18, 2016 | Approved
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<td>ANSI/ANS 2.3-2011 (R2021), Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites (reaffirmation of ANSI/ANS 2.3-2011 (R2016))</td>
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<td>ANSI/ANS 3.4-2013 (R2018), Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants (reaffirmation of ANSI/ANS 3.4-2013)</td>
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<td>ANSI/ANS 3.5-2018, Nuclear Power Plant Simulators for Use in Operator Training and Examination (new standard)</td>
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<td>Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation</td>
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PINS Date: Jun 22, 2018 | Public Review Date: Dec 28, 2018 | Final Action Date: Aug 8, 2019 | Approved

Public Review Date: May 1, 2020 | Final Action Date: Jul 23, 2020 | Approved

Public Review Date: May 22, 2020 | Final Action Date: Jul 27, 2020 | Approved

Public Review Date: May 22, 2020 | Final Action Date: Jul 24, 2020 | Approved

ANSI/ANS 6.1.1-2020, Neutron and Photon Fluence-to-Dose Conversion Coefficients (new standard)
PINS Date: Nov 9, 2018 | Public Review Date: Feb 21, 2020 | Final Action Date: Sep 10, 2020 | Approved

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Public Review Date: May 29, 2020 | Final Action Date: Jul 28, 2020 | Approved

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

ANSI/ANS 6.4.2-2006 (R2021), Specification for Radiation Shielding Materials (reaffirmation of ANSI/ANS 6.4.2-2006 (R2016))
PINS Date: Feb 10, 2017 | Public Review Date: Sep 24, 2021 | Final Action Date: Dec 2, 2021 | Approved

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

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

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

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

Public Review Date: May 28, 2021 | Final Action Date: Aug 5, 2021 | Approved
### Approved American National Standards

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

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

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

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

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

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

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

  - Public Review Date: Oct 7, 2016 | Final Action Date: Dec 15, 2016 | Approved

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

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

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

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

  - PINS Date: Nov 4, 2016 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 14, 2017 | Approved
### Approved American National Standards

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#### APA (APA - The Engineered Wood Association)

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

   - PINS Date: Jun 23, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 12, 2017 | Approved

   - PINS Date: May 27, 2016 | Public Review Date: Sep 16, 2016 | Final Action Date: Jan 24, 2017 | Approved

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

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

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

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

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

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

   - PINS Date: Sep 27, 2013 | Public Review Date: Oct 17, 2014 | Final Action Date: Jan 8, 2015 | Approved

   - 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

5. **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

   - PINS Date: Feb 3, 2012 | Public Review Date: Oct 17, 2014 | Final Action Date: Jan 7, 2015 | Approved
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<td>Public Safety Communications Common Disposition Codes for Data Exchange</td>
<td>Approved</td>
<td>Nov 24, 2017</td>
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<td>ANSI/APCO 1.119.1-2021</td>
<td>Public Safety Telecommunicator Critical Incident Stress Debriefing Program</td>
<td>Approved</td>
<td>Sep 21, 2018</td>
<td>Jul 31, 2020</td>
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<td>ANSI/APCO 1.120.1-2021</td>
<td>Crisis Intervention Techniques and Call Handling Procedures for Public Safety Telecommunicators</td>
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<td>Sep 15, 2017</td>
<td>Jun 18, 2021</td>
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<td>ANSI/APCO 2.103.2-2019</td>
<td>Public Safety Communications Common Incident Types for Data Exchange</td>
<td>Approved</td>
<td>Mar 2, 2018</td>
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<td>ANSI/APCO 2.106.1-2019</td>
<td>Public Safety Grade site Hardening Requirements</td>
<td>Approved</td>
<td>Feb 19, 2016</td>
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APCO (Association of Public-Safety Communications Officials-International)

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

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

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

  PINS Date: Feb 17, 2012 | Public Review Date: Dec 12, 2014 | Final Action Date: Feb 24, 2015 | Approved

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

  Public Review Date: Feb 21, 2014 | Final Action Date: Jun 9, 2014 | Approved

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

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

  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

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

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

API (American Petroleum Institute)

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

  PINS Date: Jan 1, 2010 | Public Review Date: Nov 19, 2010 | Final Action Date: Jan 13, 2011 | Approved
### ANSI/API Standards

  - PINS Date: Sep 11, 2009 | Public Review Date: Nov 16, 2012 | Final Action Date: Apr 2, 2013 | Approved

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

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

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

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

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

  - 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

- **ANSI/API MPMS Chapter 5.6, 1st Edition-2007 (R2015)**, Measurement of Liquid Hydrocarbons by Coriolis Meters  (reaffirmation of ANSI/API MPMS Ch. 5.6-2002 (R2007))
  - Public Review Date: Mar 13, 2015 | Final Action Date: Jun 19, 2015 | 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
API (American Petroleum Institute)

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

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

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

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

  PINS Date: Feb 15, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: May 19, 2015 | Approved

  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
API (American Petroleum Institute)

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

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

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

  PINS Date: Feb 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: May 1, 2019 | Approved

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

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

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

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  Public Review Date: Apr 24, 2015 | Final Action Date: Aug 6, 2015 | Approved

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API (American Petroleum Institute)

  PINS Date: May 22, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: Jun 22, 2010 | Approved

  PINS Date: Apr 20, 2018 | Public Review Date: Jun 22, 2018 | Final Action Date: May 20, 2020 | Approved

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

  PINS Date: Aug 3, 2012 | Public Review Date: Apr 15, 2016 | Final Action Date: Apr 19, 2018 | Approved

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

- ANSI/API STANDARD 2350-2020, Overfill Prevention for Atmospheric Storage Tanks in Petroleum Facilities (revision of ANSI/API STANDARD 2350-2012)
  PINS Date: Aug 19, 2016 | Public Review Date: May 15, 2020 | Final Action Date: Sep 16, 2020 | Approved

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

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

  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

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**APTech (ASC CGATS) (Association for Print Technologies)**

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API (American Petroleum Institute)


Public Review Date: Oct 12, 2007 | Final Action Date: Nov 30, 2007 | Approved


Public Review Date: Oct 12, 2007 | Final Action Date: Nov 30, 2007 | Approved

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APTech (ASC B65) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | w: www.printtechnologies.org

ANSI B65-1-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (national adoption with modifications of ISO 12643-1)

PINS Date: Mar 25, 2011 | Public Review Date: Jun 10, 2011 | Final Action Date: Sep 12, 2011 | Approved

ANSI B65-2-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems (national adoption of ISO 12643-2 with modifications and revision of ANSI B65.2-2005)

PINS Date: Mar 25, 2011 | Public Review Date: Jun 10, 2011 | Final Action Date: Aug 23, 2011 | Approved

ANSI B65-3-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (national adoption of ISO 12643-3 with modifications and revision of ANSI B65.2-2005)

PINS Date: Mar 25, 2011 | Public Review Date: May 13, 2011 | Final Action Date: Jul 29, 2011 | Approved

ANSI B65-5-2011, Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Stand-alone platen presses (national adoption of ISO 12643-5 with modifications and revision of ANSI B65.5-2006)

PINS Date: Mar 25, 2011 | Public Review Date: Jun 10, 2011 | Final Action Date: Aug 24, 2011 | 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

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APTech (ASC CGATS) (Association for Print Technologies)

1896 Preston White Drive, Reston, VA 20191 | w: www.printtechnologies.org

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

ANSI CGATS.5-2018, Graphic technology - Spectral measurement and colorimetric computation for graphic arts images (identical national adoption of ISO 13655 and revision of ANSI CGATS.5-2009)

PINS Date: Jan 19, 2018 | Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018 | Approved

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Provided by American National Standards Institute www.ansi.org Tuesday, January 4, 2022
APTech (ASC CGATS) (Association for Print Technologies)

- ANSI CGATS.7-2003 (R2013), Graphic technology - Pallet loading for printed materials (reaffirmation of ANSI CGATS.7-2003 (R2008))
  Public Review Date: May 24, 2013 | Final Action Date: Aug 6, 2013 | Approved

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

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

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


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

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

- ANSI IT8.6-2017, Graphic technology - Prepress digital data exchange - Diecutting data (DDES3) (revision of ANSI IT8.6-2002 (R2013))
PINS Date: Nov 11, 2016 | Public Review Date: Feb 10, 2017 | Final Action Date: Sep 15, 2017 | Approved

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

  Public Review Date: Dec 20, 2019 | Final Action Date: Apr 8, 2021 | Approved

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

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

  Public Review Date: Sep 14, 2018 | Final Action Date: Mar 14, 2019 | Approved
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APTech (ASC CGATS) (Association for Print Technologies)

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

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

  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 17, 2018 | Approved

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

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

- ANSI/CGATS/ISO 15790-2005 (R2013), Graphic technology and photography - Certified reference materials for reflection and transmission metrology - Documentation and procedures for use, including determination of combined standard uncertainty (reaffirm a national adoption ANSI/CGATS/ISO 15790-2005 (R2007))
  Public Review Date: Nov 9, 2012 | Final Action Date: Jan 29, 2013 | Approved

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

- ANSI/CGATS/ISO 15930-6-2004 (R2018), Graphic technology Prepress digital data exchange using PDF Part 6: Complete exchange printing data suitable for colour-manage workflows using PDF 1.4 (PDF/X-3) (reaffirm a national adoption ANSI CGATS/ISO 15930-6-2004 (R2009))
  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 5, 2018 | Approved

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

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

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
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<tr>
<td>ANSI/ASA S1.13-2020</td>
<td>Measurement of Sound Pressure Levels in the Air  (new standard)</td>
<td>PINS Date: Jun 26, 2015</td>
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<td>ANSI/ASA S1.15 Part 5-2021/IEC 61094-5-2016</td>
<td>Electroacoustics - Measurement microphones - Part 5: Methods for pressure calibration of working standard microphones by comparison  (identical national adoption of IEC 61094-5:2016)</td>
<td>PINS Date: Jan 1, 2021</td>
<td>Public Review Date: Apr 16, 2021</td>
<td>Final Action Date: Jul 12, 2021</td>
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<td>ANSI/ASA S1.15, Part 3-2021/IEC 61094-3-2016</td>
<td>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>
<td>Public Review Date: Apr 16, 2021</td>
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ASA (ASC S1) (Acoustical Society of America)

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

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

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

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

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

  Public Review Date: Aug 30, 2019 | Final Action Date: Nov 1, 2019 | Approved

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

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

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

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

  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
ASA (ASC S1) (Acoustical Society of America)

- 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)

  - 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

  - Public Review Date: Mar 27, 2020 | Final Action Date: Jun 19, 2020 | Approved
### ANSI/ASA S12.2-2019, Criteria for Evaluating Room Noise (new standard)
- PIN Date: Jan 24, 2014
- Public Review Date: Mar 29, 2019
- Final Action Date: May 21, 2019
- Approved

- (reaffirmation of ANSI/ASA S12.23-1989 (R2016))
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved

### ANSI/ASA S12.3-1985 (R2020), Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment
- (reaffirmation of ANSI/ASA S12.3-1985 (R2016))
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved

- (reaffirmation of ANSI/ASA S12.42-2010)
- Public Review Date: Nov 8, 2019
- Final Action Date: Jan 6, 2020
- Approved

### ANSI/ASA S12.43-1997 (R2020), Methods for Measurement of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions
- (reaffirmation of ANSI/ASA S12.43-1997 (R2017))
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved

### ANSI/ASA S12.44-1997 (R2020), Standard Methods for Calculation of Sound Emitted by Machinery and Equipment at Workstations and Other Specified Positions from Sound Power Level
- (reaffirmation of ANSI/ASA S12.44-1997 (R2017))
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved

### ANSI/ASA S12.5-2016/ISO 6926-2016 (R2020), Acoustics - Requirements for the Performance and Calibration of Reference Sound Sources Used for the Determination of Sound Power Levels
- (reaffirm a national adoption ANSI ASA S12.5-2016/ISO 6926-2016)
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved

### ANSI/ASA S12.50-2002/ISO 3740-2000 (R2020), Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards
- 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
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- Public Review Date: Mar 27, 2020
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- Public Review Date: Mar 27, 2020
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### ANSI/ASA S12.54-2011/ISO 3744-2010 (R2020), Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane
- (reaffirm a national adoption ANSI/ASA S12.54-2011/ISO 3744-2010 (R2016))
- Public Review Date: Mar 27, 2020
- Final Action Date: Jun 19, 2020
- Approved
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<td>ANSI/ASA S12.6-2016 (R2020), Methods for Measuring the Real-Ear Attenuation of Hearing Protectors (reaffirmation of ANSI/ASA S12.6-2016)</td>
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<td>ANSI/ASA S12.61-2020, Declaration and Verification of Noise Emission Values of Machinery, Equipment, and Products (new standard)</td>
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ASA (ASC S12) (Acoustical Society of America)

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

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

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

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

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

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<td>ANSI/ASA S2.72</td>
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<td>Mechanical vibration and shock – Hand-arm vibration – Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand – Amendment 1</td>
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<td>ANSI/ASA S2.75-2017/Part 1</td>
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<td>Shaft Alignment Methodology, Part 3: Alignment of Vertically Oriented Rotating Machinery (new standard)</td>
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**ASA (ASC S2) (Acoustical Society of America)**

  
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  PINS Date: Feb 2, 2018 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 24, 2019 | Approved

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

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

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

  
  PINS Date: Apr 15, 2016 | Public Review Date: Sep 25, 2020 | Final Action Date: Dec 9, 2020 | Approved

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

  
  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

  
  Public Review Date: Aug 30, 2019 | Final Action Date: Nov 1, 2019 | Approved

  
  PINS Date: May 22, 2020 | Public Review Date: Aug 6, 2021 | Final Action Date: Sep 23, 2021 | Approved
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**ASA (ASC S3) (Acoustical Society of America)**

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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

  - 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)**

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

  - Public Review Date: Dec 15, 2020 | Final Action Date: Mar 29, 2021 | Approved

- ANSI/ASABE AD11684-1995 APR2011 (R2021), Tractors, machinery of agriculture and forestry, powered lawn and garden equipment - Safety signs and hazard pictorials - General principles (reaffirmation of ANSI/ASABE AD11684-1995 APR2011 (R2016))
  - Public Review Date: Nov 13, 2020 | Final Action Date: Mar 29, 2021 | Approved

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ASABE (American Society of Agricultural and Biological Engineers)

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

- ANSI/ASABE AD26322-2-JUN2017, Tractors for agriculture and forestry - Safety - Part 2: Narrow-track and small tractors (revision of ANSI/ASABE AD26322-2-2012)
  PINS Date: Jan 20, 2017 | Public Review Date: Mar 10, 2017 | Final Action Date: Jun 8, 2017 | Approved

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

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  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 flail mowers (reaffirm a national adoption ANSI/ASABE AD4254-12-JUL2016)
  Public Review Date: Oct 30, 2020 | Final Action Date: Dec 21, 2020 | Approved

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

  PINS Date: Jan 27, 2017 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 12, 2017 | Approved

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

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

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ASABE (American Society of Agricultural and Biological Engineers)

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

- ANSI/ASABE S620-MAR2017, Safety for Anyhydrous Ammonia Application Equipment (new standard)
  PINS Date: May 14, 2010 | Public Review Date: Dec 23, 2016 | Final Action Date: Mar 16, 2017 | Approved

  PINS Date: Jul 29, 2016 | Public Review Date: Oct 21, 2016 | Final Action Date: Jan 12, 2017 | Approved

  PINS Date: Nov 2, 2012 | Public Review Date: Jun 1, 2018 | Final Action Date: Aug 31, 2018 | Approved

  PINS Date: May 8, 2015 | Public Review Date: Apr 20, 2018 | Final Action Date: Jul 27, 2018 | Approved

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

  PINS Date: Nov 25, 2011 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 1, 2020 | Approved

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

- ANSI/ASABE S632-1-JUN2018, Precision Agriculture Irrigation Language: Core Concepts, Processes, and Objects (new standard)
  PINS Date: Jun 16, 2017 | Public Review Date: Mar 30, 2018 | Final Action Date: Jun 29, 2018 | Approved

- ANSI/ASABE S632-3-JUN2018, Precision Agriculture Irrigation Language: Core Concepts, Processes, and Objects (new standard)
  PINS Date: Jun 16, 2017 | Public Review Date: Mar 30, 2018 | Final Action Date: Jun 29, 2018 | Approved

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

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

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

- ANSI/ASABE S640 JUL2017, Quantities and Units of Electromagnetic Radiation for Plants (Photosynthetic Organisms) (new standard)
  PINS Date: Jun 5, 2015 | Public Review Date: Apr 14, 2017 | Final Action Date: Jul 11, 2017 | Approved

- ANSI/ASABE S641-MAY2018, Droplet Size Classification of Aerial Application Nozzles (new standard)
  PINS Date: Apr 3, 2015 | Public Review Date: Feb 23, 2018 | Final Action Date: May 21, 2018 | Approved
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<td>ANSI/ASABE S642-SEPT2018</td>
<td>Recommended Methods for Measurement and Testing of LED Products for Plant Growth and Development (new standard)</td>
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<td>Agricultural Field Equipment Braking – Part 2: Requirements for Agricultural Tractors (new standard)</td>
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<td>Agricultural Field Equipment Braking – Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines (new standard)</td>
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<td>ANSI/ASABE S648-5 MONYEAR-2020</td>
<td>Agricultural Field Equipment Braking – Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (new standard)</td>
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<td>Agricultural Field Equipment Braking — Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles (revision and redesignation of ANSI/ASABE S648-5 MAR2020)</td>
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<td>ANSI/ASABE/ASHRAE EP653 MONYEAR-2021</td>
<td>Heating, Ventilating, and Air Conditioning (HVAC) for Indoor Plant Environments without Sunlight (new standard)</td>
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ASABE (American Society of Agricultural and Biological Engineers)

  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 4, 2020 | Approved

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

  PINS Date: Aug 31, 2018 | Public Review Date: Nov 16, 2018 | Final Action Date: Oct 16, 2019 | Approved

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

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

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

  PINS Date: Oct 14, 2011 | Public Review Date: Feb 17, 2012 | Final Action Date: Jun 7, 2012 | Approved
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ASABE (American Society of Agricultural and Biological Engineers)

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

  Public Review Date: Jul 17, 2020 | Final Action Date: Sep 4, 2020 | Approved

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

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

  Public Review Date: Oct 7, 2016 | Final Action Date: Dec 1, 2016 | Approved

  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 3, 2020 | Approved

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

- ANSI/ASABE/ISO 4252-MAY2012 (R2017), Agricultural tractors - Operator's workplace, access and exit - Dimensions (reaffirm a national adoption ANSI/ASABE/ISO 4252-2012)
  Public Review Date: Dec 9, 2016 | Final Action Date: Jan 30, 2017 | Approved

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

  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved

  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved

- ANSI/ASABE/ISO 5700--2013 SEP2017, Tractors for agriculture and forestry - Roll-over protective structures - Static test method and acceptance conditions (identical national adoption of ISO 5700:2013)
  PINS Date: Mar 24, 2017 | Public Review Date: Jun 30, 2017 | Final Action Date: Sep 29, 2017 | Approved
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<td>Design and Installation of Nonreinforced Concrete Irrigation Pipe Systems (reaffirmation of ANSI/ASAE S261.7-OCT96 (R2015))</td>
<td>Oct 2, 2020</td>
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<td>ANSI/ASAE S315.5-AUG2018, Agricultural Baling Twine for Automatic Balers (revision and redesignation of ANSI/ASAE S315.4-AUG2012 (R2017))</td>
<td>May 29, 2015</td>
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ASABE (American Society of Agricultural and Biological Engineers)

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

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

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

- ANSI/ASAE S343.4-2015 (R2019), Terminology for Combines and Grain Harvesting (reaffirmation of ANSI/ASAE S343.4-2015)
  Public Review Date: Nov 1, 2019 | Final Action Date: Dec 17, 2019 | Approved

  Public Review Date: Nov 25, 2016 | Final Action Date: Jan 23, 2017 | Approved

- ANSI/ASAE S354.7-SEP2018, Safety for Farmstead Equipment (revision and redesignation of ANSI/ASAE S354.6-NOV2016)
  PINS Date: May 12, 2017 | Public Review Date: Apr 27, 2018 | Final Action Date: Sep 6, 2018 | Approved

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

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

- ANSI/ASAE S362.2 JAN1993 (R2019), Wiring and Equipment for Electrically Driven or Controlled Irrigation Machines (reaffirmation of ANSI/ASAE S362.2 JAN1993 (R2015))
  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 19, 2019 | Approved

  Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

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

- ANSI/ASAE S390.6 (ISO 12934:2013)-DEC16, Tractors and machinery for agriculture and forestry - Basic types - Vocabulary (national adoption with modifications of ISO 12934:2013)
  PINS Date: Mar 25, 2016 | Public Review Date: Sep 9, 2016 | Final Action Date: Dec 1, 2016 | Approved

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

- ANSI/ASAE S396.3 JUN2016 (R2020), Combine Capacity and Performance Test Procedure (revision and redesignation of ANSI/ASAE S396.3-JUN2016)
  Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved
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**ASABE (American Society of Agricultural and Biological Engineers)**

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

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

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

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

  - Public Review Date: Oct 7, 2016 | Final Action Date: Jan 4, 2017 | Approved

  - Public Review Date: Oct 7, 2016 | Final Action Date: Jan 4, 2017 | Approved

  - Public Review Date: Oct 7, 2016 | Final Action Date: Jan 4, 2017 | Approved

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

### ASB (ASC Z50) (American Society of Baking)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

  PINS Date: Jul 5, 2019 | Public Review Date: Jan 22, 2021 | Final Action Date: Nov 19, 2021 | Approved

  PINS Date: Apr 20, 2018 | Public Review Date: Jun 8, 2018 | Final Action Date: Aug 3, 2018 | Approved

- 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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  PINS Date: May 3, 2019 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 28, 2020 | Approved
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<td>PINS Date: Oct 4, 2019</td>
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<td>ANSI X9.142-2020, Public Key Cryptography: The Elliptic Curve Digital Signature Algorithm (ECDSA) (new standard)</td>
<td>PINS Date: Apr 27, 2018</td>
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<td>ANSI X9.143-2021, Interoperable Secure Key Exchange Key Block Specification for Symmetric Algorithms (new standard)</td>
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  Public Review Date: Dec 16, 2016 | Final Action Date: Feb 2, 2017 | Approved

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

  PINS Date: May 4, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Apr 15, 2013 | 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

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

  PINS Date: Feb 10, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Sep 19, 2017 | Approved

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

- ANSI X9.79 - Part 4-2013, Public Key Infrastructure (PKI) – Part 4: Asymmetric Key Management (new standard)
  PINS Date: Oct 23, 2009 | Public Review Date: Nov 16, 2012 | Final Action Date: Feb 5, 2013 | Approved

  PINS Date: Apr 12, 2019 | Public Review Date: Jul 5, 2019 | Final Action Date: Aug 22, 2019 | Approved

  PINS Date: Apr 14, 2017 | Public Review Date: Jan 31, 2020 | Final Action Date: Apr 9, 2020 | Approved

  PINS Date: May 4, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Apr 15, 2013 | Approved

- ANSI X9.82-2-2015, X9.82-2 Random Number Generation - Part 2: Entropy Sources (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: Jun 19, 2015 | Final Action Date: Sep 14, 2015 | Approved

  Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved

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

  PINS Date: Apr 28, 2017 | Public Review Date: Nov 3, 2017 | Final Action Date: Apr 20, 2018 | Approved
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<td>PINS Date: Jan 24, 2014</td>
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Feb 4, 2011 | Final Action Date: Jun 30, 2011 | Approved

  Public Review Date: Mar 25, 2011 | Final Action Date: Jun 30, 2011 | Approved

  Public Review Date: Feb 4, 2011 | Final Action Date: Jun 30, 2011 | Approved

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

  Public Review Date: Oct 22, 2010 | Final Action Date: Mar 3, 2011 | Approved

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  Public Review Date: Oct 30, 2015 | Final Action Date: May 2, 2016 | Approved

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  Public Review Date: Jul 11, 2014 | Final Action Date: Dec 31, 2014 | Approved

  Public Review Date: Mar 7, 2014 | Final Action Date: Dec 31, 2014 | Approved

  Public Review Date: Mar 21, 2008 | Final Action Date: Oct 27, 2008 | Approved

  Public Review Date: Oct 30, 2015 | Final Action Date: May 2, 2016 | Approved
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

- ANSI/ASHRAE 135bc-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
  (addenda to ANSI/ASHRAE Standard 135-2012) 
  Public Review Date: Jan 2, 2015 | Final Action Date: May 2, 2016 | Approved

- ANSI/ASHRAE 135bd-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
  (addenda to ANSI/ASHRAE Standard 135-2016) 
  Public Review Date: Jan 5, 2018 | Final Action Date: Jun 14, 2018 | Approved

- ANSI/ASHRAE 135be-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
  (addenda to ANSI/ASHRAE Standard 135-2016) 
  Public Review Date: Mar 23, 2018 | Final Action Date: Jun 14, 2018 | Approved

- ANSI/ASHRAE 135bf-2016, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
  (addenda to ANSI/ASHRAE Standard 135-2012) 
  Public Review Date: Jul 24, 2015 | Final Action Date: Mar 1, 2016 | Approved

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

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

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

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

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

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

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

- ANSI/ASHRAE 135bp-2018, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
  (addenda to ANSI/ASHRAE Standard 135-2016) 
  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 14, 2018 | Approved

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

- ANSI/ASHRAE 135e-2007, BACnet - A Data Communication Protocol for Building Automation and Control Networks 
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  Public Review Date: Mar 17, 2006 | Final Action Date: Mar 26, 2007 | Approved
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

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- ANSI/ASHRAE 158.2-2018, Methods of Testing Capacity of Refrigerant Pressure Regulators (revision of ANSI/ASHRAE Standard 158.2-2011)
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- ANSI/ASHRAE 34a-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
  Public Review Date: Mar 16, 2007 | Final Action Date: Jun 28, 2007 | Approved

- ANSI/ASHRAE 34a-2017, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34aa-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
  Public Review Date: Mar 23, 2012 | Final Action Date: Jun 28, 2012 | Approved

- ANSI/ASHRAE 34ab-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE 34ab-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

- ANSI/ASHRAE 34ac-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE 34b-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34c-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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- ANSI/ASHRAE 34e-2007, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE 34-2007)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Dec 3, 1999 | Final Action Date: Nov 6, 2001 | Approved

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

- ANSI/ASHRAE 90.4b-2018, Energy Standard for Data Centers (addenda to ANSI/ASHRAE Standard 90.4-2016)
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- ANSI/ASHRAE Addedum 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)
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- ANSI/ASHRAE Addendum 135.1g-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
  Public Review Date: Mar 26, 2010 | Final Action Date: Feb 3, 2011 | Approved

- ANSI/ASHRAE Addendum 135.1h-2011, Method of Test for Conformance to BACnet (addenda to ANSI/ASHRAE Standard 135.1-2009)
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  Public Review Date: Mar 23, 2018 | Final Action Date: Jun 14, 2018 | Approved

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- **ANSI/ASHRAE Addendum 135w-2010, BACnet - A Data Communication Protocol for Building Automation and Control Networks** *(addenda to ANSI/ASHRAE Standard 135-2008)*
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- **ANSI/ASHRAE Addendum 135y-2010, BACnet - A Data Communication Protocol for Building Automation and Control Networks** *(addenda to ANSI/ASHRAE Standard 135-2008)*
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- ANSI/ASHRAE Addendum 161g-2013, Air Quality within Commercial Aircraft (addenda to ANSI/ASHRAE Standard 161-2007)
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- ANSI/ASHRAE Addendum 34a-2010, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)
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- ANSI/ASHRAE Addendum 34a-2014, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34ac-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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- ANSI/ASHRAE Addendum 34ad-2013, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

- ANSI/ASHRAE Addendum 34c-2014, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34d-2010, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)
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- ANSI/ASHRAE Addendum 34d-2014, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum 34e-2011, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
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ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

  Public Review Date: Sep 12, 2008 | Final Action Date: Jan 29, 2009 | Approved

- ANSI/ASHRAE Addendum 34y-2012, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2010)
  Public Review Date: Sep 16, 2011 | Final Action Date: Jan 26, 2012 | Approved

- ANSI/ASHRAE Addendum 34z-2010, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2007)
  Public Review Date: Sep 11, 2009 | Final Action Date: Jan 28, 2010 | Approved

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

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- **ANSI/ASHRAE Addendum am to ANSI/ASHRAE Standard 34-20137, Designation and Safety Classification of Refrigerants** (addenda to ANSI/ASHRAE Standard 34-2013)
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- ANSI/ASHRAE Addendum c Standard 52.2-2015, Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size (addenda to ANSI/ASHRAE Standard 52.2-2012)
  Public Review Date: Nov 29, 2013 | Final Action Date: Jul 28, 2015 | Approved

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- ANSI/ASHRAE Addendum q to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)
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- ANSI/ASHRAE Addendum r to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)
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- ANSI/ASHRAE Addendum s to ANSI/ASHRAE Standard 34-2016, Designation and Safety Classification of Refrigerants (addenda to ANSI/ASHRAE Standard 34-2016)
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  - PINS Date: May 19, 2000 | Public Review Date: Nov 13, 2015 | Final Action Date: Apr 1, 2016 | Approved

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  - Public Review Date: Feb 24, 2017 | Final Action Date: Jun 1, 2017 | **Approved**

- **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**

  - PINS Date: Nov 25, 2011 | Public Review Date: Dec 22, 2017 | Final Action Date: Apr 2, 2018 | **Approved**

  - PINS Date: Nov 16, 2012 | Public Review Date: Nov 9, 2018 | Final Action Date: Jun 25, 2019 | **Approved**

  - PINS Date: Jul 19, 2013 | Public Review Date: Feb 10, 2017 | Final Action Date: Apr 7, 2017 | **Approved**

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

- **ANSI/ASHRAE Standard 216-2020, Methods of Test for Determining Application Data of Overhead Circulator Fans** (new standard)
  - PINS Date: Feb 14, 2014 | Public Review Date: Jan 24, 2020 | Final Action Date: Nov 30, 2020 | **Approved**

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

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

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

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

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

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

  - PINS Date: Jul 12, 2013 | Public Review Date: Nov 30, 2018 | Final Action Date: Jun 21, 2019 | **Approved**
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)

- ANSI/ASHRAE Standard 23.2-2019, Methods of Test for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants (revision of ANSI/ASHRAE Standard 23.2-2014)
  PINS Date: Jul 28, 2017 | Public Review Date: Apr 26, 2019 | Final Action Date: Sep 30, 2019 | Approved

  PINS Date: Feb 12, 2016 | Public Review Date: Feb 8, 2019 | Final Action Date: Aug 26, 2019 | Approved

  PINS Date: Jul 25, 2008 | Public Review Date: May 4, 2018 | Final Action Date: Dec 17, 2018 | Approved

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  PINS Date: Dec 2, 2005 | Public Review Date: Oct 30, 2015 | Final Action Date: Apr 1, 2016 | Approved

  Final Action Date: Apr 24, 2001 | Approved

- 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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| (revision of ANSI/ASHRAE Standard 41.9-2018) | PINS Date: Mar 27, 2020 | Public Review Date: Nov 13, 2020 | Final Action Date: Mar 31, 2021 |

| ANSI/ASHRAE Standard 52.2-2017 | Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size | Approved |
| (new standard) | Public Review Date: Apr 11, 1997 | Final Action Date: Dec 2, 1999 |

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

| ANSI/ASHRAE Standard 55-2020 | Thermal Environmental Conditions for Human Occupancy | Approved |
| (new standard) | Public Review Date: Aug 29, 2003 | Final Action Date: Apr 16, 2004 |


| (new standard) | Public Review Date: Nov 8, 2002 | Final Action Date: Feb 20, 2004 |

| (revision of ANSI/ASHRAE Standard 63.2-1996 (R2010)) | PINS Date: Oct 18, 2013 | Public Review Date: Mar 17, 2017 | Final Action Date: Jun 1, 2017 |

| ANSI/ASHRAE Standard 64-2020 | Methods of Laboratory Testing Remote Mechanical-Draft Evaporative Refrigerant Condensers | Approved |

| ANSI/ASHRAE Standard 70-2006 (R2021) | Method of Testing for Rating the Performance of Air Outlets and Air Inlets | Approved |

<p>| ANSI/ASHRAE Standard 72-2018 | Method of Testing Open and Closed Commercial Refrigerators and Freezers | Approved |
| (revision of ANSI/ASHRAE Standard 72-2014) | Public Review Date: Oct 27, 2017 | Final Action Date: Aug 1, 2018 |</p>
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**ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.)**

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

  Public Review Date: May 21, 2021 | Final Action Date: Aug 31, 2021 | Approved

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  - Public Review Date: Nov 30, 2012 | Final Action Date: Jul 1, 2013 | Approved

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- **Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2013)
  - Public Review Date: Sep 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

### ANSI/ASHRAE/IES Addendum R to ANSI/ASHRAE/IES Standard 90.1-2016
- **Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2016)
  - Public Review Date: Jul 28, 2017 | Final Action Date: Jan 25, 2018 | Approved

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- **Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2019)
  - Public Review Date: Nov 20, 2020 | Final Action Date: Feb 26, 2021 | Approved

### ANSI/ASHRAE/IES Addendum s to ANSI/ASHRAE/IES Standard 90.1-2012
- **Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2010)
  - Public Review Date: Jun 10, 2011 | Final Action Date: Jan 26, 2012 | Approved

### ANSI/ASHRAE/IES Addendum s to ANSI/ASHRAE/IES Standard 90.1-2015
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  - Public Review Date: Sep 5, 2014 | Final Action Date: Jan 29, 2015 | Approved

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  - Public Review Date: Feb 9, 2018 | Final Action Date: Dec 7, 2018 | Approved

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- **Low-Rise Residential Buildings** (addenda to ANSI/ASHRAE/IES Standard 90.1-2010)
  - Public Review Date: Feb 12, 2013 | Final Action Date: Jul 26, 2016 | Approved

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

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  - Public Review Date: Mar 5, 2010 | Final Action Date: Aug 17, 2010 | Approved

  - Public Review Date: Mar 5, 2010 | Final Action Date: Jul 1, 2010 | Approved

  - Public Review Date: Mar 5, 2010 | Final Action Date: Jul 1, 2010 | Approved

  - Public Review Date: Mar 5, 2010 | Final Action Date: Jul 23, 2010 | Approved

  - Public Review Date: Mar 26, 2010 | Final Action Date: Aug 16, 2010 | Approved

  - Public Review Date: Nov 26, 2004 | Final Action Date: Apr 10, 2006 | Approved

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

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  Public Review Date: Sep 7, 2018 | Final Action Date: Jul 24, 2019 | Approved

  
  Public Review Date: Sep 7, 2018 | Final Action Date: Jul 24, 2019 | Approved

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

ASIS (ASIS International)

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

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

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

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

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

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

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

  
  PINS Date: Dec 2, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 28, 2014 | Approved
### ASIS (ASIS International)

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

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

### ASME (American Society of Mechanical Engineers)

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

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

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

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

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

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

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

  - PINS Date: Jun 19, 2015 | Public Review Date: Jul 28, 2017 | Final Action Date: Jan 10, 2018 | **Approved**

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

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

- **ANSI/ASME A112.18.2/CSA B125.2-2020, Plumbing Waste Fittings** (revision of ANSI/ASME A112.18.2/CSA B125.2-2015 (R2019))
  - Public Review Date: Feb 21, 2020 | Final Action Date: Apr 23, 2020 | **Approved**
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  Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

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

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

- ANSI/ASME A112.3.4-2013 /CSA B45.9-2018, Macerating Toilet Systems and 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 A112.4.1-2014 (R2019, Water Heater Relief Valve Drain Tubes  (reaffirmation of ANSI/ASME A112.4.1 -2014)
  Public Review Date: Dec 21, 2018 | Final Action Date: Feb 27, 2019 | Approved

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

- ANSI/ASME A112.4.2/CSA B45.16-2015 (R2020), Personal Hygiene Devices for Water Closets  (reaffirmation of ANSI/ASME A112.4.2/CSA B45.16-2015)
  Public Review Date: Mar 13, 2020 | Final Action Date: May 15, 2020 | Approved

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 7, 2017 | Approved

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

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- ANSI/ASME B16.3-2021, Malleable Iron Threaded FittingsClasses 150 and 300  (revision of ANSI/ASME B16.3-2016)
  Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 2021 | Approved

- 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)
  Public Review Date: Sep 15, 2017 | Final Action Date: Nov 17, 2017 | Approved

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- ANSI/ASME B16.4-2021, Gray Iron Threaded FittingsClasses 125 and 250  (revision of ANSI/ASME B16.4-2016)
  Public Review Date: Sep 17, 2021 | Final Action Date: Nov 12, 2021 | Approved
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<td>Jul 21, 2017</td>
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<td>ANSI/ASME B18.16M-2004 (R2021)</td>
<td>Prevailing-Torque Type Steel Metric Hex Nuts and Hex Flange Nuts</td>
<td>Oct 8, 2021</td>
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<td>ANSI/ASME B18.2.1-2012 (R2021)</td>
<td>Square, Hex, Heavy Hex, and Askew Head Bolts, and Hex, Heavy Hex, and Hex Flange, Lobed Head, and Lag Screws (Inch Series)</td>
<td>Oct 8, 2021</td>
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<td>ANSI/ASME B18.2.3.9M-2001 (R2020)</td>
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<td>Dec 13, 2019</td>
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<td>Approved</td>
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<td>ANSI/ASME B18.2.9-2010 (R2021)</td>
<td>Straightness Gage and Gaging for Bolts and Screws (reaffirmation of ANSI/ASME B18.2.9-2010 (R2017))</td>
<td>Oct 8, 2021</td>
<td>Dec 14, 2021</td>
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## ANSI/ASME B18.3-2012 (R2017), Socket Cap, Shoulder, Set Screws, and Hex Keys (Inch Series) (reaffirmation of ANSI/ASME B18.3-2012)
- Public Review Date: Jul 21, 2017
- Final Action Date: Oct 5, 2017
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## ANSI/ASME B18.31.1M-2008 (R2021), Metric Continuous and Double End Studs (reaffirmation of ANSI/ASME B18.31.1M-2008 (R2016))
- PINS Date: Nov 6, 2020
- Public Review Date: Oct 8, 2021
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## ANSI/ASME B18.31.3-2014 (R2019), Threaded Rod (Inch Series) (reaffirmation of ANSI/ASME B18.31.3-2014)
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## ANSI/ASME B18.31.5-2011 (R2021), Bent Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.31.5-2011 (R2016))
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## ANSI/ASME B18.5-2012 (R2017), Round Head Bolts (Inch Series) (reaffirmation of ANSI/ASME B18.5-2012)
- Public Review Date: May 12, 2017
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## ANSI/ASME B18.6.2-2020, Square Head Set Screws, And Slotted Headless Set Screws (Inch Series) (revision of ANSI/ASME B18.6.2-1998 (R2010))
- PINS Date: Nov 11, 2016
- Public Review Date: Apr 17, 2020
- Final Action Date: Jun 19, 2020
- Approved

## ANSI/ASME B18.6.3-2013 (R2017), Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.3-2013)
- Public Review Date: Jul 21, 2017
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## ANSI/ASME B18.6.8-2010 (R2017), Thumb Screws and Wing Screws (Inch Series) (reaffirmation of ANSI/ASME B18.6.8-2010)
- Public Review Date: Jan 6, 2017
- Final Action Date: Mar 21, 2017
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## ANSI/ASME B18.6.9-2010 (R2017), Wing Nuts (Inch Series) (reaffirmation of ANSI/ASME B18.6.9-2010)
- Public Review Date: Jan 6, 2017
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- Final Action Date: May 25, 2017
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  (revision of ANSI/ASME B18.8.2-2000 (R2010))
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- ANSI/ASME B18.8.2-2020a, Taper Pins, Dowel Pins, Straight Pins, Grooved Pins and Spring Pins (Inch Series)
  (revision of ANSI/ASME B18.8.2-2020)
  Public Review Date: Sep 25, 2020 | Final Action Date: Oct 30, 2020 | Approved

- ANSI/ASME B18.9-2012 (R2017), Plow Bolts (reaffirmation of ANSI/ASME B18.9-2012)
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  (revision of ANSI/ASME B20.1-2015)
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  (revision of ANSI/ASME B20.1-2018)
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- ANSI/ASME B27.6-1972 (R2017), General Purpose Uniform Cross Section Spiral Retaining Rings
  (reaffirmation of ANSI B27.6-1972 (R2011))
  Public Review Date: Jan 6, 2017 | Final Action Date: Mar 24, 2017 | Approved

- ANSI/ASME B27.7-1977 (R2017), General Purpose Tapered and Reduced Cross Section Retaining Rings (Metric)
  (reaffirmation of ANSI B27.7M-1977 (R2011))
  Public Review Date: Jan 6, 2017 | Final Action Date: Mar 24, 2017 | Approved

- ANSI/ASME B29.100-2011 (R2021), Double-Pitch Roller Chains, Attachments, and Sprockets
  (reaffirmation of ANSI/ASME B29.100-2011 (R2021))
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  (reaffirmation of ANSI/ASME B29.10M-1997 (R2009))
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- ANSI/ASME B29.12M-1997 (R2018), Steel Bushed Rollerless Chains, Attachments and Sprockets
  (reaffirmation of ANSI/ASME B29.12M-1997 (R2013))
  Public Review Date: Jul 20, 2018 | Final Action Date: Nov 1, 2018 | Approved

- ANSI/ASME B29.15M-1997 (R2021), Steel Roller Type Conveyor Chains, Attachments, And Sprocket Teeth
  (reaffirmation of ANSI/ASME B29.15M-1997 (R2017))
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- ANSI/ASME B29.17M-1998 (R2018), Hinge Type Flat Top Conveyor Chains and Sprocket Teeth
  (reaffirmation of ANSI/ASME B29.17M-1998 (R2013))
  Public Review Date: Jul 20, 2018 | Final Action Date: Nov 1, 2018 | Approved

- ANSI/ASME B29.200-2001 (R2017), Welded-Steel-Type Mill Chains, Welded-Steel-Type Drag Chains, Attachments, and Sprocket Teeth
  (reaffirmation of ANSI/ASME B29.200-2001 (R2009))
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- ANSI/ASME B29.21-2013 (R2018), 700 Class Chains, Attachments and Sprocket Teeth for Water and Sewage Treatment Plants (reaffirmation of ANSI/ASME B29.21-2013)
  Public Review Date: Apr 13, 2018 | Final Action Date: Jun 29, 2018 | Approved

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- ANSI/ASME B29.8-2010 (R2017), Leaf Chains, Clevises and Sheaves (reaffirmation of ANSI/ASME B29.8-2010)
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<td>ANSI/ASME B30.18-2021</td>
<td>Stacker Cranes (Top or Under Running Bridge, Multiple Girder With Top or Under Running Trolley Hoist) (revision of ANSI/ASME B30.18-2016)</td>
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### ANSI/ASME B30.3-2016, Tower Cranes (revision of ANSI/ASME B30.3-2012)
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### ANSI/ASME B30.3-2019, Tower Cranes (revision of ANSI/ASME B30.3-2016)
- Public Review Date: Feb 1, 2019 | Final Action Date: Dec 11, 2019 | Approved

### ANSI/ASME B30.3.30-2019, Ropes (new standard)
- PINS Date: Aug 5, 2011 | Public Review Date: Apr 6, 2018 | Final Action Date: Jan 29, 2019 | Approved

### ANSI/ASME B30.32-2021, Unmanned Aircraft Systems (UAS) used in Inspection, Testing, Maintenance and Load-Handling Operations (new standard)
- PINS Date: Nov 10, 2017 | Public Review Date: Jul 16, 2021 | Final Action Date: Oct 21, 2021 | Approved

### ANSI/ASME B30.4-2020, Portal, and Pedestal Cranes (revision of ANSI/ASME B30.4-2015)
- Public Review Date: Feb 21, 2020 | Final Action Date: Jul 16, 2020 | Approved

### ANSI/ASME B30.5-2018, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2014)
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### ANSI/ASME B30.5-2021, Mobile and Locomotive Cranes (revision of ANSI/ASME B30.5-2018)
- Public Review Date: Mar 26, 2021 | Final Action Date: Sep 27, 2021 | Approved

### ANSI/ASME B30.6-2020, Derricks (revision of ANSI/ASME B30.6-2015)
- Public Review Date: Jan 24, 2020 | Final Action Date: Jul 9, 2020 | Approved

### ANSI/ASME B30.7-2021, Winches (revision of ANSI/ASME B30.7-2016)
- Public Review Date: Mar 26, 2021 | Final Action Date: Sep 23, 2021 | Approved

### ANSI/ASME B30.8-2020, Floating Cranes and Floating Derricks (revision of ANSI/ASME B30.8-2015)
- Public Review Date: Jan 3, 2020 | Final Action Date: Jun 11, 2020 | Approved

### ANSI/ASME B30.9-2018, Slings (revision of ANSI/ASME B30.9-2014)
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### ANSI/ASME B30.9-2021, Slings (revision of ANSI/ASME B30.9-2018)
- Public Review Date: Feb 19, 2021 | Final Action Date: Sep 9, 2021 | Approved

### ANSI/ASME B31.1-2016, Pipeline Transportation Systems for Liquids and Slurries (revision of ANSI/ASME B31.4-2015)
- Public Review Date: Dec 25, 2015 | Final Action Date: Feb 22, 2016 | 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))
  Public Review Date: Mar 13, 2020 | Final Action Date: Jun 18, 2020 | Approved

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- ANSI/ASME B5.57-2012 (R2017), Methods for Performance Evaluation of Computer Numerically Controlled Lathes and Turning Centers (reaffirmation of ANSI/ASME B5.57-2012)
  Public Review Date: Oct 6, 2017 | Final Action Date: Dec 14, 2017 | 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

  Public Review Date: Mar 22, 2019 | Final Action Date: May 23, 2019 | Approved

- ANSI/ASME B5.62-2016, Hollow Taper Tooling with Flange-Face Contact (new standard)
  PINS Date: Jul 10, 2009 | Public Review Date: Jun 17, 2016 | Final Action Date: Aug 22, 2016 | Approved

- ANSI/ASME B5.8-2001 (R2016), Chucks and Chuck Jaws (reaffirmation of ANSI/ASME B5.8-2001 (R2011))
  Public Review Date: Jul 29, 2016 | Final Action Date: Oct 11, 2016 | Approved

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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 B73.3-2015, Specification for Sealless Horizontal End Suction Centrifugal Pumps for Chemical Process (revision of ANSI/ASME B73.3-2003 (R2008))
  Public Review Date: Sep 18, 2015 | Final Action Date: Oct 30, 2015 | 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
ANSI/ASME B89.1.17-2001 (R2017), Measurement of Thread Measuring Wires (reaffirmation of ANSI/ASME B89.1.17-2001 (R2007))
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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))
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ANSI/ASME B89.1.6-2002 (R2017), Measurement of Plain Internal Diameter for Use as Master Ring or Ring Gauges (reaffirmation of ANSI/ASME B89.1.6-2002 (R2012))
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ANSI/ASME B89.1.7-2009 (R2019), Performance Standard For Steel Measuring Tapes (reaffirmation of ANSI/ASME B89.1.7-2009 (R2014))
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ANSI/ASME B89.1.8-2011 (R2021), Performance Evaluation of Displacement-Measuring Laser Interferometers (reaffirmation of ANSI/ASME B89.1.8-2011 (R2016))
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ANSI/ASME B89.1.9-2002 (R2012), Gage Blocks (reaffirmation of ANSI/ASME B89.1.9-2002 (R2007))
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ANSI/ASME B89.3.4-2010 (R2019), Axes of Rotation: Methods for Specifying and Testing (reaffirmation of ANSI/ASME B89.3.4-2010 (R2015))
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ANSI/ASME B89.3.7-2013 (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))
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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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<td>Guidelines for the Evaluation of Uncertainty of Test Values Associated with the Verification of Dimensional Measuring Instruments to their Accuracy Specifications (new standard)</td>
<td>Approved</td>
<td>Sep 15, 2017</td>
<td>Public Review Date: Sep 27, 2019, Final Action Date: Oct 31, 2019</td>
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<td>ANSI/ASME B94.51M-2010 (S2016)</td>
<td>Specifications for Band Saw Blades (Metal Cutting) (stabilized maintenance of ANSI/ASME B94.51M-2010 (R2015))</td>
<td>Approved</td>
<td>Feb 5, 2016</td>
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<td>ANSI/ASME BPE-2016</td>
<td>Bioprocessing Equipment (revision of ANSI/ASME BPE-2014)</td>
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- **ANSI/ASME BPE-2019, Bioprocessing Equipment** (revision of ANSI/ASME BPE-2014)
  - Public Review Date: Apr 6, 2018 | Final Action Date: Feb 27, 2019 | 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 I-2021, Rules for Construction of Power Boilers** (revision of ANSI/ASME BPVC Section I -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

  - Public Review Date: Feb 1, 2019 | Final Action Date: Apr 25, 2019 | Approved

- **ANSI/ASME BPVC Section II-2019 (Parts A, B, and D), Part A - Ferrous Material Specifications; Part B - Nonferrous Material Specifications; Part D - Materials Properties** (revision of ANSI/ASME BPVC Section II-2017 (Parts A, B, and D))
  - Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved

  - Public Review Date: Dec 25, 2020 | Final Action Date: Feb 25, 2021 | Approved

  - Public Review Date: Dec 25, 2020 | Final Action Date: Mar 11, 2021 | Approved

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- **ANSI/ASME BPVC Section III-2021, Rules for Construction of Nuclear Facility Components** (revision of ANSI/ASME BPVC Section III-2019)
  - 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

  - Public Review Date: Dec 21, 2018 | Final Action Date: Apr 25, 2019 | Approved
Approved American National Standards

ASME (American Society of Mechanical Engineers)

- 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 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

- 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

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ASME (American Society of Mechanical Engineers)

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- 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)
  Public Review Date: Jan 22, 2021 | Final Action Date: Feb 25, 2021 | Approved

- ANSI/ASME BPVC Section XIII-2021, Rules for Overpressure Protection (new standard)
  PINS Date: Jan 20, 2017 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 22, 2021 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Jan 6, 2017 | Approved

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- ANSI/ASME CSD-1-2021, Controls and Safety Devices for Automatically Fired Boilers (revision of ANSI/ASME CSD-1-2018)
  Public Review Date: Jun 25, 2021 | Final Action Date: Sep 21, 2021 | Approved

  Public Review Date: Aug 23, 2019 | Final Action Date: Nov 15, 2019 | Approved

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ASME (American Society of Mechanical Engineers)

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  PINS Date: Nov 2, 2012 | Public Review Date: Sep 30, 2016 | Final Action Date: Jan 6, 2017 | Approved

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

- ANSI/ASME HST-5-2020, Performance Standard for Air Chain Hoists (revision of ANSI/ASME HST-5-2014)
  PINS Date: Jul 3, 2015 | Public Review Date: Jan 31, 2020 | Final Action Date: Apr 2, 2020 | Approved

  PINS Date: Mar 25, 2016 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 11, 2020 | Approved

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ASME (American Society of Mechanical Engineers)

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

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

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

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

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

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  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 30, 2021 | Approved

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

  PINS Date: Jan 11, 2013 | Public Review Date: Jun 15, 2018 | Final Action Date: Aug 13, 2018 | Approved
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**ASME (American Society of Mechanical Engineers)**

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

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

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

- ANSI/ASME PTC 1-2015, General Instructions (revision of ANSI/ASME PTC 1-2011)
  - PINS Date: Sep 12, 2014 | Public Review Date: Jul 3, 2015 | Final Action Date: Sep 9, 2015 | Approved

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

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

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

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

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

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

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

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

  - Public Review Date: Dec 16, 2011 | Final Action Date: May 9, 2012 | Approved

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

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  - Public Review Date: May 18, 2018 | Final Action Date: Aug 3, 2018 | Approved
ASME (American Society of Mechanical Engineers)

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

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- ANSI/ASME PTC 19.3TW-2016, Thermowells  (revision of ANSI/ASME PTC 19.3TW-2010)
  PINS Date: Mar 13, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Jan 5, 2016 | Approved

  Public Review Date: Nov 30, 2012 | Final Action Date: Feb 19, 2013 | Approved

- ANSI/ASME PTC 19.6-2018, Electrical Power Measurements  (new standard)
  PINS Date: Feb 14, 2003 | Public Review Date: Dec 8, 2017 | Final Action Date: Feb 27, 2018 | Approved

  Public Review Date: Dec 20, 2013 | Final Action Date: Mar 11, 2014 | Approved

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  Public Review Date: Dec 20, 2019 | Final Action Date: Feb 24, 2020 | Approved

- ANSI/ASME PTC 31-2011 (R2017), High-Purity Water Treatment System  (reaffirmation of ANSI/ASME PTC 31-2011)
  Public Review Date: Oct 21, 2016 | Final Action Date: Jan 24, 2017 | Approved

  PINS Date: Oct 7, 2011 | Public Review Date: Oct 28, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: Oct 24, 2014 | Public Review Date: Jan 19, 2018 | Final Action Date: May 15, 2018 | Approved

  Public Review Date: Dec 27, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/ASME PTC 4-2013, Fired Steam Generators  (revision of ANSI/ASME PTC 4-2008)
  PINS Date: Aug 13, 2010 | Public Review Date: Jul 5, 2013 | Final Action Date: Nov 21, 2013 | Approved

  Public Review Date: Mar 19, 2021 | Final Action Date: May 27, 2021 | Approved
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ASME (American Society of Mechanical Engineers)

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

  Public Review Date: Dec 27, 2013 | Final Action Date: Feb 28, 2014 | Approved

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

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

- ANSI/ASME/ANS RA-S-1.4-2021, Probabilistic Risk Assessment Standard for Advanced NonLight Water Reactor
  Nuclear Power Plants
  (new standard)
  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)

- ANSI/ASNT CP 189-2020, For Qualification and Certification of Nondestructive Testing Personnel
  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

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

ASPE (American Society of Plumbing Engineers)

- ANSI/ARCSA/ASPE 63-2020, Rainwater Catchment Systems
  (revision of ANSI/ARCSA/ASPE 63-2013)
  Public Review Date: Mar 27, 2020 | Final Action Date: May 4, 2020 | Approved

- ANSI/ARCSA/ASPE 78-2015, Stormwater Harvesting System Design for Direct End-Use Applications
  (new standard)
  PINS Date: May 31, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Aug 3, 2015 | Approved

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

- ANSI/WQA/ASPE S-801-2015 (R2021), Sustainable Management
  (reaffirmation of ANSI/WQA/ASPE S-801-2015)
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ASPE (American Society of Plumbing Engineers)

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

ASQ (American Society for Quality)

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

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

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

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

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

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

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

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

ASQ (ASC Z1) (American Society for Quality)

600 N Plankinton Avenue, Milwaukee, WI  53201 | w: www.asq.org

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

  PINS Date: Feb 23, 2018 | Public Review Date: Apr 27, 2018 | Final Action Date: Jun 26, 2018 | Approved

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

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

  PINS Date: Jan 19, 2018 | Public Review Date: Mar 23, 2018 | Final Action Date: May 24, 2018 | Approved
ASQ (ASC Z1) (American Society for Quality)

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

  PINS Date: Oct 14, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Apr 13, 2017 | Approved

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

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

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

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

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

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

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

- ANSI/ISO 3534-1-2006, Statistics - Vocabulary and symbols - Part 1: General statistical terms and terms used in probability (identical national adoption of ISO 3534-1)
  PINS Date: Apr 29, 2005 | Public Review Date: Aug 3, 2007 | Final Action Date: Dec 3, 2007 | Approved
ASQ (ASC Z1) (American Society for Quality)

  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

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

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

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

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  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

  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: Jul 29, 2016 | Final Action Date: Sep 26, 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

  Public Review Date: Aug 11, 2017 | Final Action Date: Oct 5, 2017 | Approved
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  Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

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- ANSI/ASSE A10.24-2014, Roofing - Safety Requirements for Low-Sloped Roofs (revision of ANSI/ASSE A10.24-2006)
  PINS Date: Jul 10, 2009 | Public Review Date: Jun 6, 2014 | Final Action Date: Dec 3, 2014 | Approved

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  PINS Date: Oct 31, 2008 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved

  Public Review Date: Aug 4, 2017 | Final Action Date: Oct 5, 2017 | 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: Jun 6, 2016 | Approved

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

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

  PINS Date: Jul 30, 2004 | Public Review Date: Apr 15, 2016 | Final Action Date: Aug 3, 2016 | Approved

- ANSI/ASSE A10.49-2015, Control of Health Hazards in Construction and Demolition Operations (new standard)
  PINS Date: Jun 13, 2008 | Public Review Date: Nov 7, 2014 | Final Action Date: Apr 15, 2015 | Approved

- ANSI/ASSE A10.5-2013, Safety Requirements for Material Hoists (revision of ANSI/ASSE A10.5-2006)
  PINS Date: Jul 10, 2009 | Public Review Date: Oct 5, 2012 | Final Action Date: Feb 28, 2013 | Approved

- ANSI/ASSE A10.6-2006 (R2016), Safety & Health Program Requirements for Demolition Operations (reaffirmation of ANSI/ASSE A10.6-2006)
  PINS Date: Jul 31, 2009 | Public Review Date: Jul 29, 2016 | Final Action Date: Sep 26, 2016 | Approved
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- ANSI/ASSE Z359.4-2013, Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components (revision of ANSI/ASSE Z359.4-2007)
  PINS Date: May 28, 2010 | Public Review Date: Oct 5, 2012 | Final Action Date: Feb 28, 2013 | Approved

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  PINS Date: Sep 17, 2010 | Public Review Date: Jul 6, 2012 | Final Action Date: Dec 20, 2012 | Approved

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

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

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**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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<td>ANSI/ASTM D6812-2004b (R2019)</td>
<td>Practice for Ground-Based Octane Rating Procedures for Turbocharged/Supercharged Spark Ignition Aircraft Engines</td>
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<td>ANSI/ASTM D6986-2010 (R2020)</td>
<td>Test Method for Free Water, Particulate and Other Contamination in Aviation Fuels (Visual Inspection Procedures)</td>
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<td>ANSI/ASTM D7082-2021</td>
<td>Specification for Polyethylene Stay In Place Form System for End Walls for Drainage Pipe</td>
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<td>Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer</td>
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  - Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | **Approved**

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

- **ANSI/ASTM D7915-2018**, Practice for Application of Generalized Extreme Studentized Deviate (GESD) Technique to Simultaneously Identify Multiple Outliers in a Data Set (revision of ANSI/ASTM D7915-2014)
  - Public Review Date: Jun 1, 2018 | Final Action Date: Jul 17, 2018 | **Approved**

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ANSI/ASTM D8147-2017, Specification For Special-Purpose Test Fuels for Aviation Compression-Ignition Engines (new standard)
PINS Date: Jun 3, 2016 | Public Review Date: Sep 8, 2017 | Final Action Date: Dec 15, 2017 | Approved

ANSI/ASTM D8194-2019, Practice For Evaluation Of Suitability Of 37mm Filter Monitors And 47mm Filters Used To Determine Particulate Contaminant In Aviation Turbine Fuel (new standard)
Public Review Date: Nov 2, 2018 | Final Action Date: Dec 18, 2018 | Approved

ANSI/ASTM D8290-2020, Test Method for Determination of fatty acid methyl esters (FAME) in aviation turbine fuel using Mid-Infrared Laser Spectroscopy (new standard)
PINS Date: Jun 22, 2018 | Public Review Date: Jun 12, 2020 | Final Action Date: Nov 1, 2020 | Approved

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ANSI/ASTM E0620-2018, Practice for Reporting Opinions of Scientific or Technical Experts (new standard)
PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 22, 2021 | Approved

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ANSI/ASTM E105-2021, Practice for Probability Sampling of Materials (revision of ANSI/ASTM E105-2016)
Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

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ANSI/ASTM E176-2021, Terminology of Fire Standards (revision of ANSI/ASTM E176-2018a)  
Public Review Date: Mar 12, 2021 | Final Action Date: Jun 15, 2021 | Approved

ANSI/ASTM E177-2020, Practice for Use of the Terms Precision and Bias in ASTM Test Methods (revision of ANSI/ASTM E177-2019)  
Public Review Date: Sep 4, 2020 | Final Action Date: Oct 20, 2020 | Approved

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ANSI/ASTM E178-2021, Practice for Dealing With Outlying Observations (revision of ANSI/ASTM E178-2016)  
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- ANSI/ASTM E1802-2018 (R2018), Test Methods for Wet Insulation Integrity Testing of Photovoltaic Modules  
  (reaffirmation of ANSI/ASTM E1802-2018)  
  Public Review Date: Apr 6, 2018 | Final Action Date: May 22, 2018 | Approved

  Public Review Date: Sep 3, 2021 | Final Action Date: Nov 15, 2021 | Approved

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- ANSI/ASTM E2057-2010 (2015), Standard Specifications for Preparation of Laboratory Analysis Requests in Sexual Assault Investigations  (new standard)  
  PINS Date: Aug 6, 2021 | Public Review Date: Sep 17, 2021 | Final Action Date: Nov 2, 2021 | Approved

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- ANSI/ASTM E2334-2008 (R2018), Practice for Setting an Upper Confidence Bound for a Fraction or Number of Non-Conforming items, or a Rate of Occurrence for Non-Conformities, Using Attribute Data, When There Is a Zero Response in the Sample (reaffirmation of ANSI/ASTM E2334-2008 (R2013))
  Public Review Date: Aug 10, 2018 | Final Action Date: Sep 25, 2018 | Approved

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

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

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ANSI/ASTM E2749-2010 (R2019), Practice for Measuring the Uniformity of Furnace Exposure on Test Specimens  (reaffirmation of ANSI/ASTM E2749-2010 (R2014))
Public Review Date: Mar 15, 2019 | Final Action Date: Apr 30, 2019 | Approved

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

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<td>Practice for Ultraviolet Conditioning of Photovoltaic Modules or Mini-Modules Using a Fluorescent Ultraviolet (UV) Lamp Apparatus</td>
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<td>Practice for Preparing an Occupant Exposure Screening Report (OESR) for Substances in Installed Building Products (new standard)</td>
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<td>Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing (revision of ANSI/ASTM F1055-2016)</td>
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<td>Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube (revision of ANSI/ASTM F1076-2010 (R2015))</td>
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<td>ANSI/ASTM F1106-87 (R2018)</td>
<td>Specification for Warping Heads, Rope Handling (Gypsy Head, Capstan Head) (reaffirmation of ANSI/ASTM F1106-87 (R2012))</td>
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### ANSI/ASTM F1120-2010 (R2020), Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications (reaffirmation of ANSI/ASTM F1120-2010 (R2015))
- Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

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

### ANSI/ASTM F1122-2010 (R2021), Specification for Quick Disconnect Couplings (6 in. NPS and Smaller) (reaffirmation of ANSI/ASTM F1122-2010 (R2015))
- Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

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

### ANSI/ASTM F1126-2012 (R2017), Specification for Food Cutters (Electric) (reaffirmation of ANSI/ASTM F1126-2012)
- Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

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

- Public Review Date: Jun 7, 2019 | Final Action Date: Jul 23, 2019 | Approved

- Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

### ANSI/ASTM F1139-2010 (R2020), Specification for Steam Traps and Drains (reaffirmation of ANSI/ASTM F1139-2010 (R2015))
- Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

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

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

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

- Public Review Date: Nov 10, 2017 | Final Action Date: Dec 26, 2017 | Approved

- Public Review Date: Nov 4, 2016 | Final Action Date: Dec 20, 2016 | Approved
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  - Public Review Date: Mar 9, 2018 | Final Action Date: Apr 24, 2018 | Approved

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

  
  - Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

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

  
  - Public Review Date: Mar 9, 2018 | Final Action Date: Oct 1, 2018 | Approved

- [ANSI/ASTM F1199-2021, Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers](#) (150 psig and 150F Maximum) (revision of ANSI/ASTM F1199-2010 (R2020))
  
  - Public Review Date: Aug 6, 2021 | Final Action Date: Sep 21, 2021 | Approved

  
  - Public Review Date: May 7, 2021 | Final Action Date: Jun 22, 2021 | Approved

- [ANSI/ASTM F1200-2021a, Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150F (1 MPA and 65C))] (revision of ANSI/ASTM F1200-2021)
  
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  Public Review Date: Nov 8, 2019 | Final Action Date: Dec 24, 2019 | Approved

- ANSI/ASTM F1321-2021, Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel  (revision of ANSI/ASTM F1321-2014 (R2021))
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

  Public Review Date: Apr 10, 2015 | Final Action Date: May 26, 2015 | Approved

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- ANSI/ASTM F1603-2017, Specification for Kettles, Steam-Jacketed, 32 oz to 20 gal (1 to 75.7 L), Tilting, Table Mounted, Direct Steam, Gas and Electric Heated (revision of ANSI/ASTM F1603-2012)
  Public Review Date: Oct 6, 2017 | Final Action Date: Nov 21, 2017 | Approved

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

  Public Review Date: Oct 9, 2020 | Final Action Date: Nov 24, 2020 | Approved

- ANSI/ASTM F1734-2019, Practice for Qualification of a Combination of Squeeze Tool, Pipe, and Squeeze-Off Procedures to Avoid Long-Term Damage in Polyethylene (PE) Gas Pipe (new standard)
  PINS Date: Jun 15, 2018 | Public Review Date: Dec 7, 2018 | Final Action Date: Jan 22, 2019 | Approved

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

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 21, 2020 | Approved

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- ANSI/ASTM F1804-2021, Practice for Determining Allowable Tensile Load for Polyethylene (PE) Gas Pipe During Pull-In Installation (revision of ANSI/ASTM F1804-2016 (R2020))
  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

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<td>Practice for Selection of Wire and Cable Size in AWG or Metric Units (revision of ANSI/ASTM F1883-2003 (R2013))</td>
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<td>ANSI/ASTM F1960-2021, Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing</td>
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  - Public Review Date: Feb 5, 2021 | Final Action Date: Mar 23, 2021 | Approved

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  Public Review Date: Aug 4, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/ASTM F2043-2013 (R2018), Classification for Bicycle Usage (reaffirmation of ANSI/ASTM F2043-2013)
  Public Review Date: Oct 5, 2018 | Final Action Date: Nov 20, 2018 | Approved

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  Public Review Date: Oct 7, 2016 | Final Action Date: Jan 1, 2018 | Approved

  Public Review Date: Oct 7, 2016 | Final Action Date: Aug 1, 2017 | Approved
<p>| ANSI/ASTM F2092-2014, Specification for Convection Oven Gas or Electric (revision of ANSI/ASTM F2092-2001 (R2007)) | Public Review Date: May 2, 2014 | Final Action Date: Jun 17, 2014 | Approved |</p>
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  Public Review Date: Oct 5, 2018 | Final Action Date: Nov 20, 2018 | Approved

- ANSI/ASTM F2441-2021, Practice for Labeling of Backpacking and Mountaineering Tents and Bivouac Sacks (revision of ANSI/ASTM F2441-2012 (R2018))
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- ANSI/ASTM F2553-2016 (R2020), Specification for Warnings on Refillable CO2 Cylinders Used In the Sport of Paintball  (reaffirmation of ANSI/ASTM F2553-2016)
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- ANSI/ASTM F2650-2017, TERMINOLOGY RELATING TO IMPACT TESTING OF SPORTS SURFACES AND EQUIPMENT (revision of ANSI/ASTM F2650-2013)
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- ANSI/ASTM F2735-2021, Specification for Plastic Insert Fittings For SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing (revision of ANSI/ASTM F2735-2020)
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<td>ANSI/ASTM F2940-2013 (R2017)</td>
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- ANSI/ASTM F3012-2014, Specification for Loose-Fill Rubber for Use as a Playground Safety Surface under and around Playground Equipment (new standard)
  PINS Date: May 14, 2010 | Public Review Date: Oct 18, 2013 | Final Action Date: May 1, 2014 | Approved

- ANSI/ASTM F3013-2013 (R2018), Test Method for Density of Topsoil and Blended Soils In-place by the Core Displacement Method (reaffirmation of ANSI/ASTM F3013-2013)
  Public Review Date: Sep 7, 2018 | Final Action Date: Oct 23, 2018 | Approved

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

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- **ANSI/ASTM F3124-2017**, Practice for Data Recording the Procedure used to Produce Heat Butt Fusion Joints in Plastic Pipings or fittings (new standard)
  - PINS Date: May 6, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 31, 2017 | Approved

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<td>ANSI/ASTM F3188-2016</td>
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<td>ANSI/ASTM F3258-2018</td>
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<td>ANSI/ASTM F3259-2018</td>
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<td>ANSI/ASTM F3260-2018</td>
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<td>ANSI/ASTM F3351-2020</td>
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ANSI/ASTM F3461-2020, Test Method for Permeability of Equine Surfaces (new standard)
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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)
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ANSI/ASTM F3507-2021, Practice for Butt-Fusion Joining of Crosslinkable Polyethylene (CX-PE) Pipe and Tubing (new standard)
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ANSI/ASTM F3525-2021, Specification for Fabricated Fittings of Crosslinkable Polyethylene (CX-PE) (new standard)
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- ANSI/ASTM F480-2014, Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80 (new standard)
  PINS Date: Jan 22, 2016 | Public Review Date: Apr 14, 2017 | Final Action Date: May 30, 2017 | Approved

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- ANSI/ASTM F609-2013, Test Method for Using a Horizontal Pull Slipmeter (HPS) (new standard)
  Public Review Date: Apr 8, 2011 | Final Action Date: Sep 1, 2013 | Approved

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<td>ANSI/ASTM F860-2007</td>
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- **ANSI/ASTM F861-2014a (R202x), Specification for Commercial Dishwashing Racks** (reaffirmation of ANSI/ASTM F861-2014a)
  - Public Review Date: Sep 6, 2019 | Final Action Date: Oct 22, 2019 | Approved

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ATCC (American Type Culture Collection)

- 10801 University Boulevard, Manassas, VA 20110-2209 | w: www.atcc.org

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- 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)

- 1200 G Street NW, Suite 500, Washington, DC 20005 | w: www.atis.org

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

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

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

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

  Public Review Date: Mar 9, 2018 | Final Action Date: May 7, 2018 | Approved
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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))
  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)
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- 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: Mar 8, 2019 | 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: Sep 15, 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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- ANSI ATIS 0700724-2014 (R2019), UMTS Handover Interface for Lawful Interception (reaffirmation of ANSI ATIS 0700724-2014)
  Public Review Date: Feb 15, 2019 | Final Action Date: Nov 19, 2019 | Approved
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Public Review Date: Dec 28, 2018 | Final Action Date: Mar 8, 2019 | Approved |
| ANSI ATIS 0900101-2013 (R2018), Synchronization Interface Standard  (reaffirmation of ANSI ATIS 0900101-2013)  
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| ANSI ATIS 0900105.03-2013 (R2018), Synchronous Optical Network (SONET) - Jitter at Network Interfaces  
(reaffirmation of ANSI ATIS 0900105.03-2013)  
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| ANSI ATIS 0900105.09-2013 (R2018), Synchronous Optical Network (SONET) - Network Timing and Synchronization  
(reaffirmation of ANSI ATIS 0900105.09-2013)  
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| ANSI ATIS 1000017-2008 (S2018), Interworking between the ISDN User - Network Interface Protocol and the Session Initiation Protocol (SIP) with ANSI Extensions to the Narrowband Signaling Syntax (NSS)  
(stabilized maintenance of ANSI ATIS 1000017-2008 (R2013))  
Public Review Date: Nov 24, 2017 | Final Action Date: Feb 27, 2018 | Approved |
| ANSI ATIS 1000025-2013 (R2018), User to Network Interface (UNI) Standard for Signaling and Control Security Requirements for Evolving VoP/Multimedia Networks  
(reaffirmation of ANSI ATIS 1000025-2013)  
Public Review Date: Nov 24, 2017 | Final Action Date: Jan 24, 2018 | Approved |
| ANSI ATIS 1000026-2008 (S2018), Session Border Controller Functions and Requirements  
(stabilized maintenance of ANSI ATIS 1000026-2008 (R2013))  
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| ANSI ATIS 1000028-2008 (S2018), IP Device (SIP UA) to Network Interface Standard  
(stabilized maintenance of ANSI ATIS 1000028-2008 (R2013))  
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| ANSI ATIS 1000029-2008 (S2018), Security Requirements for NGN  
(stabilized maintenance of ANSI ATIS 1000029-2008 (R2013))  
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| ANSI ATIS 1000030-2008 (S2018), Authentication and Authorization Requirements for Next Generation Network (NGN)  
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| ANSI ATIS 1000104-1991 (S2018), Exchange-Interchange Carrier Interfaces - Individual Channel Signaling Protocols  
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Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved |
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- ANSI ATIS 1000603-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Primary Rate Interface  
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- ANSI ATIS 1000604-2014 (R2019), ISDN - Minimal Set of Bearer Services for the Basic Rate Interface  
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- ANSI ATIS 1000607-2014, Integrated Services Digital Network (ISDN) - Layer 3 Signaling Specification for Circuit 
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- ANSI ATIS 1000609-2014 (R2019), Interworking between the ISDN User-Network Interface Protocol and Signalling 
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- ANSI ATIS 1000610-1998 (S2018), Generic Procedures for the Control of ISDN Supplementary Services  
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- ANSI ATIS 1000615-2014 (R2019), Digital Subscriber Signaling System No. 1 (DSS1) - Layer 3 Overview  
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- ANSI ATIS 1000618-1991 (S2018), Integrated Services Digital Network (ISDN) - Terminal Adaptation Using Statistical 
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- **ANSI/ATIS 0300075-2018**, Usage Data Management Architecture and Protocols Requirements for Packet-Based Application Services  
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  (revision of ANSI ATIS 0300091-2012)  
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- **ANSI/ATIS 0300094-2019**, Trouble Type Codes in Support of ATIS Trouble Administration Standards  
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- **ANSI/ATIS 0300097-2017**, Structure for the Identification of Communications Connections for Information Exchange  
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  (reaffirmation of ANSI/ATIS 0300202-2015)  
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  (stabilized maintenance of ANSI/ATIS 0300206-2001 (R2011))  
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  (stabilized maintenance of ANSI/ATIS 0300207-2000 (R2010))  
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- **ANSI/ATIS 0300209-2018**, Operations, Administration, Maintenance, and Provisioning (OAM&P) Network Tones and Announcements  
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  (reaffirmation of ANSI/ATIS 0300210-2015)  
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  (revision of ANSI/ATIS 0300211-2012)  
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- **ANSI/ATIS 0300212-2015 (R2020)**, Enhanced Telecommunications Charge Card Physical Characteristics and Numbering Structure  
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- **ANSI/ATIS 0300218-2019**, ISDN Management - Data-Link and Network Layers  
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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 0300231.01-2019, Digital Subscriber Line (DSL) – Layer 1 In-Service Digital Transmission Performance Monitoring (revision of ANSI ATIS 0300231.01-2013)
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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 0300235-2000 (S2015), Signalling System 7 (SS7) - SCCP Class 0 Compatibility Testing (stabilized maintenance of ANSI/ATIS 0300235-2000 (R2010))
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- ANSI/ATIS 0300245-2019, Directory Services for Telecommunications Management Network (TMN) and Synchronous Optical Network (SONET) (revision of ANSI ATIS 0300245-2013)
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- ANSI/ATIS 0300251.a-2020, Supplement to Structure for the Representation of Service Providers for Information Exchange (supplement to ANSI/ATIS 0300251-2020)
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- ANSI/ATIS 0300269-2006 (S2016), Structure and Representation of Trace Message Formats for Information Exchange (stabilized maintenance of ANSI/ATIS 0300269-2006 (R2011))
  Public Review Date: Sep 30, 2016 | Final Action Date: Nov 22, 2016 | Approved

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- ANSI/ATIS 0500019-2010 (S2021), Request for Assistance Interface (RFAI) Specification (stabilized maintenance of ANSI/ATIS 0500019-2010 (R2015))
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- ANSI/ATIS 0600003-2018, Battery Enclosure and Rooms/Areas (revision of ANSI/ATIS 0600003-2007 (R2012))
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- ANSI/ATIS 0600010-2020, Temperature, Humidity, and Altitude Requirements for Information and Communications Technology (ICT) Equipment Utilized in Controlled Environmental Spaces (revision of ANSI ATIS 0600010-2014)
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- ANSI/ATIS 0600315-2018, Voltage Levels for DC-Powered Equipment Used in the Telecommunications Environment (revision of ANSI ATIS 0600315-2013)
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- ANSI/ATIS 0600320-2020, Above-Baseline Electrical Protection For Designated Information And Communications Technology (ICT) Facilities Against High-Altitude Electromagnetic Pulse (HEMP) (revision of ANSI/ATIS 0600320-2015)
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- ANSI/ATIS 0600403.02-1999 (S2015), Network and Customer Installation Interfaces - DS1 - Robbed-Bit Signaling State Definitions  (stabilized maintenance of ANSI/ATIS 0600403.02-1999 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 12, 2015 | Approved

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- ANSI/ATIS 0600410-2001 (S2015), Network-to-Customer Electrical Interface - Digital Data at 64 kbit/s and Subrates (stabilized maintenance of ANSI/ATIS 0600410-2001 (R2011))
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- ANSI/ATIS 0600416.01-1999 (S2015), Network to Customer Installation Interfaces - Synchronous Optical NETwork (SONET) Physical Media Dependent Specification: Multi-Mode Fiber (stabilized maintenance of ANSI/ATIS 0600416.01-1999 (R2010))
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- ANSI/ATIS 0600424-2004 (S2015), Interface Between Networks and Customer Installation Very-high-bit-rate Digital Subscriber Lines (VDSL) Metallic Interface (DMT based) (stabilized maintenance of ANSI ATIS 0600424-2004 (R2014))
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- ANSI/ATIS 0600427.01-2004 (S2015), ATM - Based Multi-Pair Bonding (stabilized maintenance of ANSI ATIS 0600427.01-2004 (R2014))
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- ANSI/ATIS 0600427.02-2005 (S2015), Ethernet-based Multi-Pair Bonding (stabilized maintenance of ANSI/ATIS 0600427.02-2005 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 11, 2015 | Approved

- ANSI/ATIS 0600427.03-2004 (S2015), Multi-Pair Bonding Using Time Division Inverse Multiplexing (stabilized maintenance of ANSI ATIS 0600427.03-2004 (R2014))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 5, 2015 | Approved

- ANSI/ATIS 0600601-1999 (S2015), Integrated Services Digital Network (ISDN) - Basic Access Interface for Use on Metallic Loops for Application on the Network Side of the NT (Layer 1 Specification) (stabilized maintenance of ANSI ATIS 0600601-1999 (R2014))
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- ANSI/ATIS 0700004-2007 (S2017), High Capacity - Spatial Division Multiple Access (HC-SDMA) Radio Interface Standard (stabilized maintenance of ANSI ATIS 0700004-2007 (R2012))
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- ANSI/ATIS 0900102-1993 (S2015), Digital Hierarchy - Electrical Interfaces (stabilized maintenance of ANSI/ATIS 0900102-1993 (R2010))
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- ANSI/ATIS 0900105.01-2000 (S2015), Synchronous Optical Network (SONET) - Automatic Protection Switching (stabilized maintenance of ANSI/ATIS 0900105.01-2000 (R2010))
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- ANSI/ATIS 0900105.04-1995 (S2015), Synchronous Optical Network (SONET) - Data Communication Channel Protocol and Architectures (stabilized maintenance of ANSI/ATIS 0900105.04-1995 (R2010))
  Public Review Date: Jan 16, 2015 | Final Action Date: Mar 10, 2015 | Approved

- ANSI/ATIS 0900105.05-2002 (S2015), Synchronous Optical Network (SONET): Tandem Connection Maintenance (stabilized maintenance of ANSI ATIS 0900105.05-2002 (R2013))
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- ANSI/ATIS 0900105.06-2002 (S2015), Synchronous Optical Network (SONET): Physical Layer Specifications (stabilized maintenance of ANSI ATIS 0900105.06-2002 (R2012))
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- ANSI/ATIS 1000006-2005 (S2020), Signaling System No. 7 (SS7) - Emergency Telecommunications Service (ETS) (stabilized maintenance of ANSI/ATIS 1000006-2005 (R2015))
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- ANSI/ATIS 1000008-2006 (S2016), Extensions to the Narrowband Signaling Syntax (NSS) - Syntax Definition (stabilized maintenance of ANSI/ATIS 1000008-2006 (R2011))
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- ANSI/ATIS 1000012-2006 (S01x), Signaling System No. 7 (SS7) - SS7 Network and NNI Interconnection Security Requirements and Guidelines (stabilized maintenance of ANSI/ATIS 1000012-2006 (R2011))
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- ANSI/ATIS 1000116-2000 (S2020), Signaling System No. 7 (SS7) - Operations, Maintenance, and Administrative Part (OAMP) (stabilized maintenance of ANSI/ATIS 1000116-2000 (R2015))
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- ANSI/ATIS 1000607.a-2006 (S2016), Supplement to ATIS-1000607 (stabilized maintenance of ANSI ATIS 1000607.a-2006 (R2011))
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- ANSI/ATIS 1000613-1991 (S2017), Integrated Services Digital Network (ISDN) - Call Waiting Supplementary Service (stabilized maintenance of ANSI ATIS 1000613-1991 (R2012))
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- ANSI/ATIS 1000616-2014 (R2019), ISDN - Call Hold Supplementary Service (reaffirmation of ANSI ATIS 1000616-2014)
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- ANSI/ATIS 1000620a-2014 (R2019), Multi-Rate Circuit-Mode Bearer Service for ISDN - Addendum to the Circuit-Mode Bearer Service Category Description (reaffirmation of ANSI ATIS 1000620a-2014)
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  - 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))
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- **ANSI/ATIS 1000635-1999** (S2020), B-ISDN Signaling ATM Adaptation Layer (SAAL) - Overview Description (stabilized maintenance of ANSI/ATIS 1000635-1999 (R2015))
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- **ANSI/ATIS 1000635-1999** (S2020), B-ISDN Signaling ATM Adaptation Layer Type 5 Common Part Functions and Specification (stabilized maintenance of ANSI/ATIS 1000635-1999 (R2015))
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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))
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- **ANSI/ATIS 1000639-1995** (S2016), Calling Name Identification Restriction (stabilized maintenance of ANSI/ATIS 1000639-1995 (R2011))
  - Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- **ANSI/ATIS 1000639.a-2001** (S2016), Supplement to Calling Name Identification Restriction (stabilized maintenance of ANSI/ATIS 1000639.a-2001 (R2011))
  - Public Review Date: Mar 18, 2016 | Final Action Date: May 13, 2016 | Approved

- **ANSI/ATIS 1000640-2001** (S2016), Broadband ISDN Network Node Interfaces and Inter-Network Interfaces - Rates and Formats Specifications (stabilized maintenance of ANSI/ATIS 1000640-2001 (R2011))
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- **ANSI/ATIS 1000666-1999 (S2019)**, Signaling System No. 7 (SS7) - Operator Services Network Capabilities (stabilized maintenance of ANSI ATIS 1000666-1999 (R2014))
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- **ANSI/ATIS 1000666.a-2000 (S2019)**, Supplement to T1.666-1999, Interactions Between the Operator Services Network Capabilities (OSNC) and Release to Pivot (RTP) (stabilized maintenance of ANSI ATIS 1000666.a-2000 (R2014))
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- **ANSI/ATIS 1000668-1999 (S2020)**, Signaling System Number 7 (SS7) - Facility Request to Pivot (FRP) (stabilized maintenance of ANSI/ATIS 1000668-1999 (R2015))
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- **ANSI/ATIS 1000671-2000 (S2020)**, Signaling System Number 7 (SS7) - Carrier Service Provider Identification (CSPI) (stabilized maintenance of ANSI/ATIS 1000671-2000 (R2015))
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- **ANSI/ATIS 1000674-2002 (S2017)**, BICC CS1+: Carrier Service Provider Identification (CSPI) (stabilized maintenance of ANSI ATIS 1000674-2002 (R2012))
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AWI (Architectural Woodwork Institute)

- ANSI/AWI SMA 0643-2021, AWI SMA 0643 - Wood Stair, Handrail, and Guard Systems (new standard)
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AWPA (ASC O5) (American Wood Protection Association)

  PINS Date: Sep 30, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Feb 23, 2017 | Approved

- ANSI O5.2-2017, Structural Glued Laminated Timber for Utility Structures (revision of ANSI O5.2-2012)
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AWS (American Welding Society)

- ANSI/AASHTO/AWS D1.5M/D1.5-2020, Bridge Welding Code (revision of ANSI/AASHTO/AWS D1.5M/D1.5-2015, AMD 1)
  PINS Date: Sep 6, 2019 | Public Review Date: Dec 13, 2019 | Final Action Date: Apr 24, 2020 | Approved

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- ANSI/AWS A2.4-2020, Standard Symbols for Welding, Brazing, and Nondestructive Examination (revision of ANSI/AWS A2.4-2012)
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<td>PINS Date: Jun 5, 2020</td>
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<tr>
<td>ANSI/AWS A5.31M/A5.31-2012</td>
<td>Specification for Fluxes for Brazing and Braze Welding (revision of ANSI/AWS A5.31-1993 (R2003))</td>
<td>Public Review Date: Sep 17, 2010</td>
<td>Final Action Date: Feb 17, 2012</td>
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<td>ANSI/AWS A5.34/A5.34M-2020</td>
<td>Specification for Nickel-Alloy Flux Cored and Metal Cored Welding Electrodes (revision of ANSI/AWS A5.34/A5.34M-2018)</td>
<td>PINS Date: Nov 8, 2019</td>
<td>Public Review Date: Apr 24, 2020</td>
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<td>ANSI/AWS A5.35/A5.35M-AMD1-2016</td>
<td>Specification for Covered Electrodes for Underwater Wet Shielded Metal Arc Welding (revision of ANSI/AWS A5.35/A5.35M-2015)</td>
<td>PINS Date: Jun 3, 2016</td>
<td>Public Review Date: Jul 1, 2016</td>
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<td>ANSI/AWS A5.5/A5.5M-2014</td>
<td>Specification for Low-Alloy Steel Electrodes for Shielded Metal Arc Welding (revision of ANSI/AWS A5.5/A5.5M-2006)</td>
<td>PINS Date: Jun 5, 2009</td>
<td>Public Review Date: Jan 24, 2014</td>
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<td>ANSI/AWS A5.8M/A5.8-2019</td>
<td>Specification for Filler Metals for Brazing and Braze Welding (revision of ANSI/AWS A5.8M/A5.8-2011)</td>
<td>PINS Date: Aug 5, 2016</td>
<td>Public Review Date: Mar 8, 2019</td>
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  - Public Review Date: Sep 30, 2016 | Final Action Date: Dec 9, 2016 | Approved

  - PINS Date: Oct 9, 2009 | Public Review Date: Aug 24, 2012 | Final Action Date: Oct 30, 2012 | Approved

  - PINS Date: Jan 17, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Aug 29, 2016 | Approved

  - PINS Date: Aug 8, 2003 | Public Review Date: Jun 20, 2014 | Final Action Date: Sep 8, 2014 | Approved

  - PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/AWS B2.1-1-002-2020, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel, (M-1/P-1, Group 1 or 2), 3/16 inch [5 mm] through 7/8 inch [22 mm], ER70S-2, ER70S-3, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
  - PINS Date: Aug 26, 2016 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 16, 2020 | Approved

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

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

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

  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1-012-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel, 10 through 18 Gauge (M-1, P-1, or S-1 to M-1, P-1, or S-1), in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1-012-2002)
  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-1-016-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-017-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-018-2021, Standard Welding Procedure Specification (SWPS) for Self-Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E71T-8, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: May 7, 2021 | Final Action Date: Jul 22, 2021 | Approved

PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-020-2018, Standard Welding Procedure Specification (SWPS) for 75% Ar/25% CO2 Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E70T-1M and E71T-1M, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-021-2018, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-022-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018, in the As-Welded or PWHT Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-1-023-2018, 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

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PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-204-2019, Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 3/4 inch [19 mm] Thick, E6010 (Vertical Downhill Root with the Balance Vertical Uphill), in the As-Welded Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-205-2019, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Uphill) Followed by E7018 (Vertical Uphill), in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-206-2019, Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, E6010 (Vertical Downhill) Followed by E7018 (Vertical Uphill), in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-207-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
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- 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)
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- ANSI/AWS B2.1-1-209-2019, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-2 and E7018, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Mar 30, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Mar 1, 2019 | Approved

- ANSI/AWS B2.1-1-210-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1 and ER70S-2, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-1-211-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1/S-1, Group 1 or 2), 1/8 through 1-1/2 inch Thick, INMs-1, ER70S-2, and E7018, As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-1-232-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 75% Argon Plus 25% Carbon Dioxide Shielded Flux Cored Arc Welding of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3 and E71T-X, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
PINS Date: Aug 26, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 31, 2019 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-1-233-2019, Standard Welding Procedure Specification (SWPS) for 75% Argon Plus 25% Carbon Dioxide Shielded Gas Metal Arc Welding (Short Circuiting Transfer Mode) followed by 98% Argon Plus 2% Oxygen Shielded Gas Metal Arc Welding (Spray Transfer Mode) of Carbon Steel (M-1/P-1, Group 1 or 2), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, ER70S-3, in the As-Welded or PWHT Condition, Primarily Pipe Applications (new standard)
  - PINS Date: Aug 26, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 31, 2019 | Approved

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

- ANSI/AWS B2.1-1-235-2019, 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 (new standard)
  - PINS Date: Aug 26, 2016 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 31, 2019 | Approved

  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 14, 2013 | Approved

- ANSI/AWS B2.1-1/8-010-2015 (R2021), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding of Carbon Steel (M-1/P-1) to Austenitic Stainless Steel (M-8/ P-8), 18 through 10 Gauge, in the As-Welded Condition, with or without Backing (reaffirmation of ANSI/AWS B2.1-1/8-010-2015)
  - PINS Date: Apr 30, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Sep 3, 2021 | Approved

  - PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-227-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-227-2002)
  - PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-228-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, E309(L) -15, -16, or -17, As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-228-2002)
  - PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-1/8-229-2002 (R2013), Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/16 through 1-1/2 inch Thick, IN309 and ER309(L), As-Welded Condition, Primarily Pipe Applications (reaffirmation of ANSI/AWS B2.1-1/8-229-2002)
  - PINS Date: Aug 13, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-1/8-231:2015, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding with Consumable Insert Root followed by Shielded Metal Arc Welding of Carbon Steel (M-1/P-1, Groups 1 or 2) to Austenitic Stainless Steel (M-8/P-8, Group 1), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, IN309, ER309(L), and E309(L)-XX, in the As-Welded Condition, Primarily Pipe Applications (revision of ANSI/AWS B2.1-1/8-231-2002)
  PINS Date: Mar 22, 2013 | Public Review Date: May 29, 2015 | Final Action Date: Jul 14, 2015 | Approved

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

  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

- ANSI/AWS B2.1-4-221-2021, Standard Welding Procedure Specification (SWPS) for Gas Tungsten Arc Welding (Consumable Insert Root) followed by Shielded Metal Arc Welding of Chromium-Molybdenum Steel (M-4/P-4, Group 1 or 2), IN515, ER80S-B2, and E8018-B2, 1/8 inch [3 mm] through 1/2 inch [13 mm] Thick, As-Welded Condition; 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, PWHT Condition, Primarily Pipe Applications (new standard)
  PINS Date: Mar 15, 2019 | Public Review Date: Mar 19, 2021 | Final Action Date: Jul 1, 2021 | Approved

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- 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

PINS Date: Aug 6, 2010 | Public Review Date: Nov 23, 2012 | Final Action Date: Mar 11, 2013 | Approved

- ANSI/AWS B2.1-8-023-2018, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8 Group 1) 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, in the As-Welded Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Dec 20, 2013 | Public Review Date: Jul 28, 2017 | Final Action Date: Apr 10, 2018 | Approved

- ANSI/AWS B2.1-8-024-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/16 through 1-1/2 inch Thick, ER3XX, As-Welded Condition, Primarily Plate and Structural Applications (new standard)
PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-8-212-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, ER3XX, As-Welded Condition, Primarily Pipe Applications (new standard)
PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-8-213-2012, Standard Welding Procedure Specification (SWPS) for Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, E3XX-XX, As-Welded Condition (Primarily Pipe Applications) (new standard)
Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved
AWS (American Welding Society)

- ANSI/AWS B2.1-8-214-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, ER3XX and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-8-215-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Inserts of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, IN3XX and ER3XX, As-Welded Condition, Primarily Pipe Applications (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

- ANSI/AWS B2.1-8-216-2012, Standard Welding Procedure Specification (WPS) for Gas Tungsten Arc Welding with Consumable Inserts followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (M-8/P-8/S-8, Group 1), 1/8 through 1-1/2 inch Thick, IN3XX, ER3XXX, and E3XX-XX, As-Welded Condition, Primarily Pipe Applications (new standard)
  PINS Date: Aug 6, 2010 | Public Review Date: Feb 10, 2012 | Final Action Date: Mar 29, 2012 | Approved

  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

  PINS Date: Jul 11, 2014 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 7, 2014 | Approved

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

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

PINS Date: Apr 17, 2009 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 27, 2015 | Approved

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

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

Public Review Date: Jul 1, 2016 | Final Action Date: Aug 22, 2016 | Approved

- ANSI/AWS C3.4M/C3.4-2016, Specification for Torch Brazing (revision of ANSI/AWS C3.4M/C3.4-2007a)
PINS Date: Feb 15, 2013 | Public Review Date: Oct 23, 2015 | Final Action Date: Dec 15, 2015 | Approved

- ANSI/AWS C3.5M/C3.5-2016-AMD1, Specification for Induction Brazing (revision and redesignation of ANSI/AWS C3.5M/C3.5-2016)
PINS Date: Jul 29, 2016 | Public Review Date: Oct 21, 2016 | Final Action Date: Jun 16, 2017 | Approved

- ANSI/AWS C3.6M/C3.6-2019 AMD1, Specification for Furnace Brazing (revision and redesignation of ANSI/AWS C3.6M/C3.6-2016)
PINS Date: May 31, 2019 | Public Review Date: Aug 16, 2019 | Final Action Date: Oct 10, 2019 | Approved

- ANSI/AWS C3.7M/C3.7-2011 (R2021), Specification for Aluminum Brazing (reaffirmation of ANSI/AWS C3.7M/C3.7-2011)
PINS Date: Jun 9, 2017 | Public Review Date: Aug 13, 2021 | Final Action Date: Sep 28, 2021 | Approved
| Approved American National Standards
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| ANSI/AWS C3.8M/C3.8-2020, Specification for the Ultrasonic Pulse-Echo Examination of Brazed Joints (revision of ANSI/AWS C3.8M/C3.8-2011)  
PINS Date: May 3, 2019 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved |
PINS Date: Jun 9, 2017 | Public Review Date: May 22, 2020 | Final Action Date: Jul 9, 2020 | Approved |
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PINS Date: Nov 15, 2013 | Public Review Date: Sep 24, 2021 | Final Action Date: Dec 17, 2021 | Approved |
| ANSI/AWS C4.5M-2012, Uniform Designation System for Oxyfuel Nozzles (revision of ANSI/AWS C4.5M-2006)  
PINS Date: Feb 10, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Jun 5, 2012 | Approved |
PINS Date: Mar 2, 2012 | Public Review Date: Mar 30, 2012 | Final Action Date: Oct 30, 2012 | Approved |
| ANSI/AWS C4.7/C4.7M-2020, Recommended Practices for Oxyacetylene Welding of Steel (new standard)  
PINS Date: Sep 18, 2015 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 7, 2020 | Approved |
| ANSI/AWS C4.8M/C4.8M-2010, Specification for Welding Brazed Joints (new standard)  
PINS Date: Sep 18, 2015 | Public Review Date: Jul 5, 2019 | Final Action Date: Jan 7, 2020 | Approved |
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  PINS Date: Jul 10, 2009 | Public Review Date: Jul 4, 2014 | Final Action Date: Dec 12, 2014 | 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

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AWS (American Welding Society)

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- ANSI/AWS F1.1M-2017, Methods for Sampling Fumes and Gases Generated by Welding and Allied Processes (new standard)
  PINS Date: Jul 3, 2009 | Public Review Date: Aug 11, 2017 | Final Action Date: Sep 29, 2017 | Approved

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- ANSI/AWS F2.2-2001 (R2019), Lens Shade Selector (reaffirmation of ANSI/AWS F2.2-2001 (R2009))
  PINS Date: May 26, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

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- ANSI/AWS F4.2-2019, Safety Guidelines for Proper Selection of Welding Cables (new standard)
  PINS Date: Oct 4, 2013 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 4, 2019 | Approved

  PINS Date: Apr 15, 2005 | Public Review Date: Jan 22, 2016 | Final Action Date: Apr 21, 2016 | Approved

- ANSI/AWS G1.6-2022, Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants (new standard)
  PINS Date: Aug 12, 2016 | Public Review Date: Feb 26, 2021 | Final Action Date: Dec 7, 2021 | Approved

  PINS Date: Apr 9, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Oct 16, 2012 | Approved
AWS (American Welding Society)

- ANSI/AWS G2.3M/G2.3-2018, Guide for the Joining of Solid Solution Austenitic Stainless Steels (revision of ANSI/AWS G2.3M/G2.3-2012)
  PINS Date: Oct 9, 2015 | Public Review Date: Jun 29, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/AWS G2.4/G2.4M-2021, Guide for the Fusion Welding of Titanium and Titanium Alloys (revision of ANSI/AWS G2.4/G2.4M-2014)
  PINS Date: Aug 18, 2017 | Public Review Date: Feb 12, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI/AWS G2.5/G2.5M-2012, Guide for the Fusion Welding of Zirconium and Zirconium Alloys (new standard)
  PINS Date: May 14, 2010 | Public Review Date: Aug 12, 2011 | Final Action Date: Jan 17, 2012 | Approved

- ANSI/AWS J1.1/J1.1M-2013, Specification for Resistance Welding Controls (new standard)
  PINS Date: Dec 25, 2009 | Public Review Date: Apr 26, 2013 | Final Action Date: Jul 29, 2013 | Approved

- ANSI/AWS J1.2M/J1.2-2016, Guide for Installation and Maintenance of Resistance Welding Machines (new standard)
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- ANSI/AWS NAVSEA B2.1-8-310-2020, Standard Welding Procedure Specification for Naval Applications (SWPS-N) for Gas Tungsten Arc Welding Followed by Shielded Metal Arc Welding of Austenitic Stainless Steel (S-8), 1/8 inch [3 mm] through 1-1/2 inch [38 mm] Thick, MIL-3XX and MIL-3XX-XX, in the As-Welded Condition, Primarily Plate and Structural Naval Applications (new standard)
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AWS (American Welding Society)

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AWS (ASC Z49) (American Welding Society)

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

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AWWA (American Water Works Association)

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

- ANSI/AWWA A100-2020, Water Wells (revision of ANSI/AWWA A100-2015)
  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
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- ANSI/AWWA B701-2018, Sodium Fluoride  (revision of ANSI/AWWA B701-2011)
  PINS Date: May 3, 2013 | Public Review Date: Oct 6, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/AWWA B702-2018, Sodium Fluorosilicate  (revision of ANSI/AWWA B702-2011)
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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

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  PINS Date: May 3, 2013 | Public Review Date: Jul 29, 2016 | Final Action Date: Oct 11, 2016 | Approved

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AWWA (American Water Works Association)

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- 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 9, 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

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- ANSI/AWWA C210a-2020, Addendum to ANSI/AWWA C210-15 (supplement to ANSI/AWWA C210-2015)
  PINS Date: Apr 3, 2020 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 14, 2020 | Approved

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  PINS Date: May 25, 2012 | Public Review Date: Nov 6, 2015 | Final Action Date: Jan 8, 2016 | Approved

- ANSI/AWWA C217a-2017, Microcrystalline Wax and Petrolatum Tape Coating Systems for Steel Water Pipe and Fittings (supplement to ANSI/AWWA C217-2016)
  PINS Date: Aug 5, 2016 | Public Review Date: Mar 10, 2017 | Final Action Date: Apr 17, 2017 | Approved
### ANSI/AWWA C218-2016, Liquid Coatings for Aboveground Steel Water Pipe and Fittings
- **PINS Date:** Apr 15, 2011 | **Public Review Date:** May 27, 2016 | **Final Action Date:** Jul 26, 2016 | **Approved**

### ANSI/AWWA C219-2017, Bolted, Sleeve-Type Couplings for Plain-End Pipe
- **PINS Date:** May 3, 2013 | **Public Review Date:** Dec 30, 2016 | **Final Action Date:** Feb 23, 2017 | **Approved**

### ANSI/AWWA C220-2017, Stainless-Steel Pipe - 1/2 In. (13 mm) and Larger
- **PINS Date:** May 3, 2013 | **Public Review Date:** Feb 24, 2017 | **Final Action Date:** Apr 20, 2017 | **Approved**

### ANSI/AWWA C221-2018, Fabricated Steel Mechanical Slip-Type Expansion Joints
- **PINS Date:** May 3, 2013 | **Public Review Date:** Dec 1, 2017 | **Final Action Date:** Feb 14, 2018 | **Approved**

### ANSI/AWWA C222-2018, Polyurethane Coatings and Linings for Steel Water Pipe and Fittings
- **PINS Date:** Apr 15, 2011 | **Public Review Date:** Dec 1, 2017 | **Final Action Date:** Jan 24, 2018 | **Approved**

### ANSI/AWWA C223-2019, Fabricated Steel and Stainless-Steel Tapping Sleeves
- **PINS Date:** Jun 20, 2014 | **Public Review Date:** Nov 30, 2018 | **Final Action Date:** Feb 1, 2019 | **Approved**

### ANSI/AWWA C224-2017, Nylon-11-Based Polyamide Coatings and Linings for Steel Water Pipe and Fittings
- **PINS Date:** May 3, 2013 | **Public Review Date:** Oct 28, 2016 | **Final Action Date:** Jan 3, 2017 | **Approved**

### ANSI/AWWA C225-2020, Fused Polyolefin Coatings for Steel Water Pipe
- **PINS Date:** Jan 29, 2016 | **Public Review Date:** Dec 20, 2019 | **Final Action Date:** Feb 6, 2020 | **Approved**

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### ANSI/AWWA C229-2020, Fusion-Bonded Polyethylene Coatings for Steel Water Pipe and Fittings
- **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.
- **PINS Date:** Jan 29, 2016 | **Public Review Date:** Oct 26, 2018 | **Final Action Date:** Dec 17, 2018 | **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 C300-2016, Reinforced Concrete Pressure Pipe, Steel-Cylinder Type
- **PINS Date:** May 3, 2013 | **Public Review Date:** Jun 3, 2016 | **Final Action Date:** Aug 10, 2016 | **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**
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- ANSI/AWWA C302-2016, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302-2011)
  PINS Date: May 3, 2013 | Public Review Date: Jun 3, 2016 | Final Action Date: Aug 10, 2016 | 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

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- 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

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- ANSI/AWWA C511-2017 (R2021), Reduced-Pressure Principle Backflow Prevention Assembly (reaffirmation of ANSI/AWWA C511-2017)
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- ANSI/AWWA C514-2015, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard)
  PINS Date: Dec 28, 2012 | Public Review Date: May 22, 2015 | Final Action Date: Jul 16, 2015 | Approved
ANSI/AWWA C514-2020, Air Valve and Vent Inflow Preventer Assemblies for Potable Water Distribution System and Storage Facilities (new standard)
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ANSI/AWWA C516-2021, Large-Diameter Rubber-Seated Butterfly Valves, Sizes 78 (2000 mm) and Larger (revision of ANSI/AWWA C516-2015)
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ANSI/AWWA C517-2016 (R2021), Resilient-Seated Cast-Iron Eccentric Plug Valves (reaffirmation of ANSI/AWWA C517-2016)
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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

ANSI/AWWA C521-2018, Plastic Ball Valves (new standard)
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ANSI/AWWA C530-2017, Pilot-Operated Control Valves (revision of ANSI/AWWA C530-2012)
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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

ANSI/AWWA C542-2016 (R2021), Electric Motor Actuators for Valves and Slide Gates (reaffirmation of ANSI/AWWA C542-2016)
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ANSI/AWWA C560-2021, Cast-Iron Slide Gates (revision, redesignation and consolidation of ANSI/AWWA C560-2014)
PINS Date: Jan 23, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

ANSI/AWWA C560a-2015, Cast Iron Slide Gates (supplement to ANSI/AWWA C560-2014)
PINS Date: Apr 25, 2014 | Public Review Date: Sep 5, 2014 | Final Action Date: Oct 29, 2014 | Approved

ANSI/AWWA C561-2021, Fabricated Stainless-Steel Slide Gates (revision of ANSI/AWWA C561-2014)
PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

ANSI/AWWA C562-2021, Fabricated Aluminum Slide Gates (revision of ANSI/AWWA C562-2014)
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AWWA (American Water Works Association)

- ANSI/AWWA C563-2021, Fabricated Composite Slide Gates (revision of ANSI/AWWA C563-2014)
  PINS Date: Oct 16, 2015 | Public Review Date: Dec 25, 2020 | Final Action Date: Jul 1, 2021 | Approved

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

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

- ANSI/AWWA C605-2021, Underground Installation of Polyvinyl Chloride (PVC) and Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe and Fittings (revision of ANSI/AWWA C605-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Sep 18, 2020 | Final Action Date: Feb 5, 2021 | Approved

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

- ANSI/AWWA C620-2019, Spray-In-Place Polymeric Lining for Potable Water Pipelines 4 In. (100 mm) and Larger (revision of ANSI/AWWA C620-2008 (R2017))
  PINS Date: Nov 10, 2017 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved

- ANSI/AWWA C621-2018, Internal Pipe Joint Seal Assemblies for Water Service (new standard)
  PINS Date: Apr 10, 2009 | Public Review Date: Apr 13, 2018 | Final Action Date: Aug 16, 2018 | Approved

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

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

- ANSI/AWWA C651-2014, Disinfecting Water Mains (revision of ANSI/AWWA C651-2005)
  PINS Date: Mar 14, 2008 | Public Review Date: May 16, 2014 | Final Action Date: Nov 18, 2014 | Approved

- ANSI/AWWA C651a-2019, Addendum to C651-14, Disinfecting Water Mains (supplement to ANSI/AWWA C651-2014)
  PINS Date: Jul 6, 2018 | Public Review Date: Mar 15, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

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

- ANSI/AWWA C654-2021, Disinfection of Wells (revision of ANSI/AWWA C654-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Jun 18, 2021 | Final Action Date: Aug 23, 2021 | Approved

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

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Approved American National Standards

AWWA (American Water Works Association)

- 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

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- ANSI/AWWA C710-2020, Cold-Water Meters – Displacement Type, Plastic Main Case (revision of ANSI/AWWA C710-2015)
  PINS Date: Sep 30, 2016 | Public Review Date: Nov 29, 2019 | Final Action Date: Mar 24, 2020 | Approved

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- ANSI/AWWA C715-2018, Cold Water Meters - Electromagnetic and Ultrasonic Type, for Revenue Applications (new standard)
  PINS Date: Dec 28, 2012 | Public Review Date: Mar 30, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/AWWA C750-2019, Transit-Time Flowmeters in Full Closed Conduits (revision of ANSI/AWWA C750-2016)
  PINS Date: Sep 1, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI/AWWA C800-2021, Underground Service Line Valves and Fittings (revision of ANSI/AWWA C800-2014)
  PINS Date: Jan 29, 2016 | Public Review Date: Apr 2, 2021 | Final Action Date: May 27, 2021 | Approved

- ANSI/AWWA C810-2017, Replacement and Flushing of Lead Service Lines (new standard)
  PINS Date: Aug 14, 2015 | Public Review Date: May 19, 2017 | Final Action Date: Sep 1, 2017 | Approved
### Approved American National Standards

**AWWA (American Water Works Association)**

- **ANSI/AWWA C900-2016**, Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. through 60 In. (100 mm through 1,500 mm) for Water Transmission and Distribution (revision, redesignation and consolidation of ANSI/AWWA C900-2007, ANSI/AWWA C905-2010)
  - PINS Date: Apr 23, 2010 | Public Review Date: Jan 30, 2015 | Final Action Date: Apr 7, 2016 | Approved

  - PINS Date: Nov 16, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 1, 2020 | Approved

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

- **ANSI/AWWA C904-2015**, Cross-linked Polyethylene (PEX) Pressure Tubing, 1/2 In. (13 mm) Through 3 In. (76 mm), for Water Service (revision of ANSI/AWWA C904-2006)
  - PINS Date: Mar 14, 2008 | Public Review Date: Aug 21, 2015 | Final Action Date: Nov 9, 2015 | Approved

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

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

- **ANSI/AWWA C909-2015**, Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 In. (100 Mm) and Larger (revision of ANSI/AWWA C909-2009)
  - PINS Date: Sep 9, 2011 | Public Review Date: Sep 11, 2015 | Final Action Date: Nov 19, 2015 | Approved

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

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

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

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AWWA (American Water Works Association)

- ANSI/AWWA D110-2013 (R2018), Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks (reaffirmation of ANSI/AWWA D110-2013)
  PINS Date: Sep 12, 2014 | Public Review Date: Feb 23, 2018 | Final Action Date: May 2, 2018 | Approved

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

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

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- ANSI/AWWA F120-2018, Ozone Systems for Water (new standard)
  PINS Date: Apr 16, 2004 | Public Review Date: Dec 29, 2017 | Final Action Date: Mar 16, 2018 | 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: Dec 23, 2016 | Final Action Date: Apr 27, 2017 | Approved

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- PINS Date: May 3, 2013
- Public Review Date: Nov 18, 2016
- Final Action Date: Jan 24, 2017
- 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: Jul 10, 2020
- Final Action Date: Aug 14, 2020
- 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
- Final Action Date: Dec 3, 2020
- 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: Aug 21, 2020
- Final Action Date: Oct 29, 2020
- Approved

#### ANSI/AWWA G510-2021, Wastewater Treatment Plant Operation and Management (revision of ANSI/AWWA G510-2013)
- PINS Date: Sep 12, 2014
- Public Review Date: Sep 17, 2021
- Final Action Date: Nov 11, 2021
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#### 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
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- PINS Date: Sep 12, 2014
- Public Review Date: Oct 16, 2020
- Final Action Date: Dec 3, 2020
- Approved

### B11 (B11 Standards, Inc.)

#### ANSI B11.0-2020, Safety of Machinery (revision of ANSI B11.0-2015)
- PINS Date: Apr 7, 2017
- Public Review Date: Jul 12, 2019
- Final Action Date: Dec 16, 2019
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- PINS Date: Aug 23, 2019
- Public Review Date: Feb 28, 2020
- Final Action Date: May 8, 2020
- Approved

#### ANSI B11.10-2003 (R2015), Safety Requirements for Metal Sawing Machines (reaffirmation of ANSI B11.10-2003 (R2009))
- Public Review Date: Feb 21, 2014
- Final Action Date: Jul 13, 2015
- 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
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<td>ANSI B11.15-2001 (R2020), Safety Requirements for Pipe, Tube and Shape Bending Machines (reaffirmation of ANSI B11.15-2001 (R2012))</td>
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<td>ANSI B11.16 (MPIF 47)-2003 (R2020), Safety Requirements for Powder / Metal Compacting Presses (reaffirmation and redesignation of ANSI B11.16-2014)</td>
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<td>ANSI B11.18-1997 (R2020), Safety Requirements for Machines Processing or Slitting Coiled or Non-coiled Metal (reaffirmation of ANSI B11.18-1997 (R2012))</td>
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<td>ANSI B11.2-2013 (R2020), Safety Requirements for Hydraulic and Pneumatic Power Presses (reaffirmation of ANSI B11.2-2013)</td>
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<td>ANSI B11.21-2006 (R2020), Safety Requirements for Machine Tools Using Lasers for Processing Materials (reaffirmation of ANSI B11.21-2006 (R2012))</td>
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<td>ANSI B11.22-2001 (R2020), Safety Requirements for Turning Centers &amp;Automatic Numerically Controlled Turning Machines (reaffirmation of ANSI B11.22-2001 (R2012))</td>
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<td>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))</td>
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<td>ANSI B11.24-2001 (R2020), Safety Requirements for Transfer Machines (reaffirmation of ANSI B11.24-2001 (R2012))</td>
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<td>ANSI B11.25-2015, Safety requirements for large machines (new standard)</td>
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<td>ANSI B11.27-2020, Safety Requirements for Electro-Discharge Machines (new standard)</td>
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B11 (B11 Standards, Inc.)

- ANSI B11.3-2012 (R2020), Safety Requirements for Power Press Brakes (reaffirmation of ANSI B11.3-2012)
  PINS Date: Jul 7, 2017 | Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI B11.4-2003 (R2013), Safety Requirements for Shears (reaffirmation of ANSI B11.4-2003 (R2008))
  Public Review Date: Feb 22, 2013 | Final Action Date: May 29, 2013 | 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 B11.6-2001 (R2020), Safety Requirements for Manual Turning Machines w/ or without Auto Control (reaffirmation of ANSI B11.6-2001 (R2012))
  Public Review Date: Feb 28, 2020 | Final Action Date: May 8, 2020 | 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

  PINS Date: Feb 27, 2015 | Public Review Date: Jun 21, 2019 | Final Action Date: Oct 11, 2019 | Approved

  PINS Date: Nov 18, 2011 | Public Review Date: Dec 30, 2011 | Final Action Date: Mar 5, 2012 | Approved

BHOCE (Behavioral Health Center of Excellence)

7083 Hollywood Boulevard, #565, Los Angeles, CA 90028 | w: www.bhcoe.org

  PINS Date: May 10, 2019 | Public Review Date: Jul 3, 2020 | Final Action Date: Nov 23, 2020 | Approved

BHMA (Builders Hardware Manufacturers Association)

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

- ANSI/BHMA A156.1-2016, Butts and Hinges (revision of ANSI/BHMA A156.1-2013)
  PINS Date: Aug 21, 2015 | Public Review Date: Oct 14, 2016 | Final Action Date: Dec 15, 2016 | Approved

- ANSI/BHMA A156.1-2021, BHMA A156.1 Standard for Butts and Hinges (revision of ANSI/BHMA A156.1-2016)
  PINS Date: Apr 3, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: Jun 1, 2021 | Approved

- 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
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<td>Jul 10, 2020</td>
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<td>Approved</td>
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### BHMA (Builders Hardware Manufacturers Association)

- **ANSI/BHMA A156.44-2021**, Standard For Hardware For Architectural Glass Openings  (new standard)  
  - PINS Date: Dec 18, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 23, 2021 | Approved

- **ANSI/BHMA A156.5-2020**, Standard for Cylinders and Input Devices  (revision of ANSI/BHMA A156.5-2014)  
  - PINS Date: Nov 30, 2018 | Public Review Date: Jan 3, 2020 | Final Action Date: Apr 1, 2020 | Approved

- **ANSI/BHMA A156.6-2021**, Standard For Architectural Door Trim  (revision of ANSI/BHMA A156.6-2015)  
  - PINS Date: Apr 3, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | Approved

- **ANSI/BHMA A156.7-2016, ANSI/BHMA A156.7 TEMPLATE HINGE DIMENSIONS**  (revision of ANSI/BHMA A156.7 -2014)  
  - PINS Date: Jan 8, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- **ANSI/BHMA A156.8-2021**, Door Controls - Overhead Stops And Holders  (revision of ANSI/BHMA A156.8-2015)  
  - PINS Date: Apr 3, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 15, 2021 | Approved

- **ANSI/BHMA A156.9-2020**, Standard For Cabinet Hardware  (revision of ANSI/BHMA A156.9-2015)  
  - PINS Date: Apr 3, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 12, 2020 | Approved

### BICSI (Building Industry Consulting Service International)

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  - PINS Date: May 26, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Oct 11, 2017 | Approved
**BICSI (Building Industry Consulting Service International)**

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

**BIFMA (Business and Institutional Furniture Manufacturers Association)**

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

  PINS Date: Oct 11, 2013 | Public Review Date: Dec 18, 2015 | Final Action Date: Apr 12, 2016 | Approved

  PINS Date: May 2, 2014 | Public Review Date: Dec 2, 2016 | Final Action Date: Feb 2, 2017 | Approved

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

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

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

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

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

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

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

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

  PINS Date: Mar 5, 2021 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 12, 2021 | Approved

  PINS Date: Oct 11, 2013 | Public Review Date: Dec 18, 2015 | Final Action Date: Apr 12, 2016 | Approved

  PINS Date: Dec 28, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Sep 17, 2013 | Approved
## BOMA (Building Owners and Managers Association)

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**

- **ANSI/BOMA Z65.6-2012, Mixed-Use Properties: Standard Methods of Measurement**  (new standard)
  - PINS Date: Feb 26, 2010 | Public Review Date: Feb 3, 2012 | Final Action Date: Aug 7, 2012 | **Approved**

## BPI (Building Performance Institute)

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

- **ANSI/BPI-1100-T-2014, Home Energy Auditing Standard**  (new standard)
  - PINS Date: Oct 22, 2010 | Public Review Date: Jul 11, 2014 | Final Action Date: Nov 18, 2014 | **Approved**

  - PINS Date: Apr 7, 2017 | Public Review Date: May 12, 2017 | Final Action Date: Jul 31, 2017 | **Approved**

## CAGI (Compressed Air and Gas Institute)

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

  - PINS Date: May 3, 2013 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 1, 2020 | **Approved**

  - PINS Date: Nov 27, 2009 | Public Review Date: Mar 18, 2011 | Final Action Date: Nov 11, 2011 | **Approved**

  - PINS Date: Oct 15, 2010 | Public Review Date: Jul 20, 2012 | Final Action Date: Jul 1, 2013 | **Approved**

## CAPA (Certified Automotive Parts Association)

c/o Intertek, 4700 Broadmoor SE, Suite 200, Kentwood, MI  49512 | w: www.CAPAcertified.org

  - PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | **Approved**

  - PINS Date: May 31, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 10, 2019 | **Approved**
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<td>8484 Westpark Drive, Suite 220, McLean, VA 22102</td>
<td><a href="http://www.cganet.com">www.cganet.com</a></td>
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| **CPA (Composite Panel Association)** |
| 19465 Deerfield Avenue, Suite 306, Leesburg, VA 20176 | 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 A208.1-2016, Particleboard (revision of ANSI A208.1-2009) |
| PINS Date: Feb 7, 2014 | Public Review Date: Nov 27, 2015 | Final Action Date: May 12, 2016 | Approved |
| ANSI A208.2-2016, Medium Density Fiberboard (MDF) for Interior Applications (revision of ANSI A208.2-2009) |
| PINS Date: Feb 7, 2014 | Public Review Date: Nov 27, 2015 | Final Action Date: May 12, 2016 | Approved |

| **CPLS0 (CPLS0)** |
| The Marchioness Building, Commercial Road, Bristol BS16TG, UK BS1 6TG |
| Public Review Date: Jul 16, 2021 | Final Action Date: Aug 31, 2021 | Approved |
| ANSI/CPLS0 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/CPLS0 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/CPLS0-14-2016 (R2021), Crane Insulators (reaffirmation of ANSI/CPLS0-14-2016) |
| Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved |
### CPLSO (CPLSO)

- **ANSI/CPLSO-17-2017**, Electrical Characteristics of ECDs and CEWs. (new standard)
  - PINS Date: Mar 10, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | Approved

### CRRC (Cool Roof Rating Council)

2435 N. Lombard Street, Portland, OR  97217 | w: www.coolroofs.org

  - PINS Date: Jun 15, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Mar 29, 2021 | Approved

### CRSI (Concrete Reinforcing Steel Institute)

933 N Plum Grove Road, Schaumburg, IL  60173 | w: www.crsi.org

  - PINS Date: Apr 29, 2016 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 30, 2016 | Approved

  - PINS Date: Apr 29, 2016 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 30, 2016 | Approved

  - PINS Date: Aug 28, 2020 | Public Review Date: Aug 13, 2021 | Final Action Date: Oct 15, 2021 | Approved

  - PINS Date: Jul 3, 2015 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 30, 2016 | Approved

  - PINS Date: Apr 29, 2016 | Public Review Date: Sep 16, 2016 | Final Action Date: Nov 30, 2016 | Approved

### CSA (CSA America Standards Inc.)

178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Ontario  M9W 1R3 | w: www.csagroup.org

  - PINS Date: May 12, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Jun 8, 2018 | Approved

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

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

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

  - PINS Date: Apr 6, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Nov 29, 2018 | Approved
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<td>Appliance Connector Valves, and Hose End Valves, same as CSA 9.1</td>
<td>(revision of ANSI Z21.15-2009 (R2019))</td>
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<td>(R2017), Z21.18a-1010 (R2017), Z21.18b-2012(R2017)</td>
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<td>ignitions systems and components, same as CSA 2.22</td>
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<td>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)</td>
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<td>ANSI Z21.5.2-2016 (R2021), Gas clothes dryers, Volume II, type 2, clothes dryers (same as ANSI Z21.5.2x (reaffirmation of ANSI Z21.5.2-2016)</td>
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Approved American National Standards

CSA (CSA America Standards Inc.)

  Public Review Date: Nov 20, 2015 | Final Action Date: Jan 15, 2016 | Approved

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

  PINS Date: Jul 1, 2016 | Public Review Date: Jun 16, 2017 | Final Action Date: Jan 10, 2018 | Approved

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

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

  Public Review Date: Dec 5, 2014 | Final Action Date: Jul 1, 2015 | Approved

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

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

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

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

  PINS Date: Dec 26, 2014 | Public Review Date: May 19, 2017 | Final Action Date: Jul 13, 2017 | Approved

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

- ANSI Z21.75-2016 (R2020), Connectors for outdoor gas appliances and manufactured homes, same as Z21.75 (reaffirmation of ANSI Z21.75-2016)
  Public Review Date: Jul 24, 2020 | Final Action Date: Nov 19, 2020 | Approved

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

  Public Review Date: Nov 29, 2019 | Final Action Date: Jan 14, 2020 | Approved
**CSA (CSA America Standards Inc.)**

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

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

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

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

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

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

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

  - Public Review Date: Sep 24, 2021 | Final Action Date: Nov 9, 2021 | Approved

  - Public Review Date: Oct 28, 2016 | Final Action Date: Jan 3, 2017 | Approved

- **ANSI Z21.87-2007 (R2021) and ANS Z21.87a-2010 (R2021), Automatic gas shutoff devices for hot water supply systems, same as CSA 4.6 (reaffirmation of ANSI Z21.87-2007 (R2017) and ANS Z21.87a-2010 (R2017))**
  - Public Review Date: Aug 27, 2021 | Final Action Date: Oct 12, 2021 | Approved

  - PINS Date: Jan 25, 2019 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 22, 2019 | Approved

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

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

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

CSA (CSA America Standards Inc.)

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

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

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

  PINS Date: Oct 2, 2015 | Public Review Date: Jan 20, 2017 | Final Action Date: Apr 21, 2017 | Approved

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

- 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

  PINS Date: Sep 30, 2016 | Public Review Date: May 19, 2017 | Final Action Date: Dec 11, 2017 | Approved

  Public Review Date: Mar 6, 2020 | Final Action Date: May 8, 2020 | Approved

- ANSI Z83.11-2016/CSA 1.8-2016 (R2021), Gas Food Service Equipment, same as CSA 1.8 (reaffirmation of ANSI Z83.11-2016/CSA 1.8-2016)
  Public Review Date: Nov 27, 2020 | Final Action Date: Jan 14, 2021 | Approved

- ANSI Z83.18-2016 (R2021), Recirculating direct gas-fired heating and forced ventilation appliances for commercial and industrial applications, same as Z83.18 (reaffirmation of ANSI Z83.18-2016)
  Public Review Date: Mar 26, 2021 | Final Action Date: May 13, 2021 | Approved

  PINS Date: May 29, 2015 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | Approved

- ANSI Z83.20-2016 (R2021), Gas-fired tubular and low-intensity infrared heaters, same as Z83.20-2016 (R202x, same as ANSI Z83.20-2016 (reaffirmation of ANSI Z83.20-2016)
  Public Review Date: Oct 29, 2021 | Final Action Date: Dec 14, 2021 | Approved

- 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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  Public Review Date: Apr 11, 2014 | Final Action Date: Jun 9, 2014 | Approved
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<td>Non-Recirculating Direct Gas-Fired Heating and Forced Ventilation Appliances for Commercial and Industrial Application, same as CSA 3.7-2016 (revision of ANSI Z83.4-2015)</td>
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<td>Apr 22, 2016</td>
<td>Jun 29, 2016</td>
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<td>ANSI Z83.8-2015 (R2021)</td>
<td>Gas unit heaters, gas packaged heaters, gas utility heaters, and gas-fired duct furnaces, same as BSR Z83.8 (reaffirmation of ANSI Z83.8-2015)</td>
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<td>ANSI/CSA C22.2 No. 19085-8-2021</td>
<td>Woodworking machines — Safety — Part 8: Belt sanding and calibrating machines for straight workpieces (national adoption with modifications of ISO 19085-8)</td>
<td>Nov 8, 2019</td>
<td>Nov 6, 2020</td>
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<td>ANSI/CSA C22.2 No. 298-2021</td>
<td>High Voltage Couplers (new standard)</td>
<td>Mar 1, 2019</td>
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CSA (CSA America Standards Inc.)

- 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

  Public Review Date: Nov 30, 2018 | Final Action Date: Feb 5, 2019 | Approved

  PINS Date: Nov 23, 2018 | Public Review Date: Dec 20, 2019 | Final Action Date: Mar 2, 2020 | Approved

  PINS Date: Mar 20, 2020 | Public Review Date: Jun 26, 2020 | Final Action Date: Nov 30, 2020 | Approved

- ANSI/CSA HGV 4.2-2013 (R2019), Standard for hoses for compressed hydrogen fuel stations, dispensers and vehicle fuel systems (reaffirmation of ANSI/CSA HGV 4.2-2013)
  Public Review Date: Nov 30, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/CSA HGV 4.3-2019, Test methods for hydrogen fueling parameter evaluation (revision of ANSI/CSA HGV 4.3 -2016)
  PINS Date: Feb 17, 2017 | Public Review Date: Jan 18, 2019 | Final Action Date: Jun 28, 2019 | Approved

- ANSI/CSA HGV 4.4-2013 (R2018), Standard for breakaway devices for compressed hydrogen dispensing hoses and systems (reaffirmation of ANSI/CSA HGV 4.4-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

  PINS Date: Jun 26, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 29, 2021 | Approved
## ANSI/CSA HGV 4.6-2013 (R2018)
Manually operated valves for use in gaseous hydrogen vehicle fueling stations
(reaffirmation of ANSI/CSA HGV 4.6-2013)
Public Review Date: Mar 2, 2018 | Final Action Date: Apr 25, 2018 | Approved

## ANSI/CSA HGV 4.8-2012 (R2018)
Hydrogen gas vehicle fueling station compressor guidelines (reaffirmation of ANSI/CSA HGV 4.8-2012)
Public Review Date: May 18, 2018 | Final Action Date: Sep 20, 2018 | Approved

## ANSI/CSA HGV 4.9-2020
Hydrogen Fueling Stations (new standard)
PINS Date: Nov 23, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 27, 2020 | Approved

## ANSI/CSA HPRD 1-2021
Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers
(revision of ANSI/CSA HPRD 1-2013 (R2018))
PINS Date: Feb 28, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 16, 2021 | Approved

## ANSI/CSA ISO 27916-2019
Carbon dioxide storage using enhanced oil recovery (CO2-EOR) (identical national adoption of ISO 27916-19)
PINS Date: Mar 29, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Aug 26, 2019 | Approved

## ANSI/CSA LC 4-2012 (R2021)
Press-Connect Metallic Fittings For Use In Fuel Gas Distribution systems
(reaffirmation of ANSI/CSA LC 4-2012 (R2017), CSA 6.32-2012 (R2016) and LC4a-2013 (R2017), CSA 6.32a-2013 (R2016))
Public Review Date: May 14, 2021 | Final Action Date: Jul 6, 2021 | Approved

## ANSI/CSA LC 6-2008 (R2018)
Natural Gas Diaphragm Pumps (reaffirmation of ANSI/CSA LC 6-2008 (R2013))
Public Review Date: Jan 26, 2018 | Final Action Date: Dec 7, 2018 | Approved

## ANSI/CSA LC 7-2009 (R2019)
Pipe Joint Compound (reaffirmation of ANSI/CSA LC 7-2009 (R2014))
Public Review Date: Mar 22, 2019 | Final Action Date: Jun 28, 2019 | Approved

## ANSI/CSA LNG 3.1-2018
Road Vehicles- Liquified natural gas (LNG) fuel system components - Part 1: General requirements and definitions (national adoption with modifications of ISO 12614-1)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.10-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 10: Rigid fuel line in stainless steel (national adoption with modifications of ISO 12614-10)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.11-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 11: Fittings (national adoption with modifications of ISO 12614-11)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.12-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 12: Rigid fuel line in copper and its alloys (national adoption with modifications of ISO 12614-12)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.13-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 13: Tank pressure control regulator (national adoption with modifications of ISO 12614-13)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.14-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 14: Differential pressure fuel content gauge (national adoption with modifications of ISO 12614-14)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved

## ANSI/CSA LNG 3.15-2018
Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 15: Capacitance fuel content gauge (national adoption with modifications of ISO 12614-15)
PINS Date: Apr 28, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: Jun 8, 2018 | Approved
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<th>ANSI/CSA LNG 3.8-2018, Road vehicles - Liquefied natural gas (LNG) fuel system components - Part 8: Excess flow valve (national adoption with modifications of ISO 12614-8)</th>
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CSA (CSA America Standards Inc.)

  PINS Date: Feb 17, 2017 | Public Review Date: Oct 13, 2017 | Final Action Date: Dec 12, 2017 | Approved

- ANSI/CSA NGV 4.2-2014 (R2019), Hoses For Natural Gas Dispensing Systems (reaffirmation of ANSI/CSA NGV 4.2-2014)
  Public Review Date: Nov 23, 2018 | Final Action Date: Jan 18, 2019 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Jun 5, 2020 | Final Action Date: Dec 22, 2020 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Sep 14, 2020 | Approved

- ANSI/CSA NGV 4.7-2020, Automatically pressure operated valves for natural gas dispensing systems (new standard)
  PINS Date: Nov 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Dec 1, 2020 | Approved

- ANSI/CSA NGV 5.1-2016 (R2020), Residential Fueling Appliances (reaffirmation of ANSI/CSA NGV 5.1-2016)
  Public Review Date: Aug 14, 2020 | Final Action Date: Nov 5, 2020 | Approved

  PINS Date: Feb 5, 2021 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 15, 2021 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Jan 1, 2021 | Final Action Date: Jul 12, 2021 | Approved

  Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | Approved

  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 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: 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
CSA (CSA America Standards Inc.)

  Public Review Date: Sep 22, 2017 | Final Action Date: Jan 12, 2018 | Approved

- ANSI/CSA/GSHPA C448 SERIES-2016 (R2021), Design and installation of ground source heat pump systems for commercial and residential buildings (reaffirmation and redesignation of ANSI/CSA C448-2016)
  Public Review Date: Jan 1, 2021 | Final Action Date: Feb 25, 2021 | Approved

- ANSI/FC 1 CSA C22.2 No. 62282-3-100-2021, Fuel cell technologies — Part 3-100: Stationary fuel cell power systems — Safety (national adoption of ISO 62282-3-100 with modifications and revision of ANSI/CSA FC-1-2014 (R2018))
  PINS Date: Dec 27, 2019 | Public Review Date: Aug 14, 2020 | Final Action Date: Feb 9, 2021 | Approved

  Public Review Date: Sep 4, 2020 | Final Action Date: Oct 26, 2020 | Approved

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

- ANSI/PRD 1-2020, Pressure relief devices for natural gas vehicle (NGV) fuel containers (revision of ANSI/PRD 1-2013 (R2018))
  PINS Date: Nov 9, 2018 | Public Review Date: Jan 31, 2020 | Final Action Date: Mar 17, 2020 | Approved

CTA (Consumer Technology Association)

  Public Review Date: Jun 12, 2020 | Final Action Date: Sep 1, 2020 | Approved

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  PINS Date: Feb 22, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 16, 2019 | Approved

  PINS Date: May 20, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Dec 2, 2016 | Approved

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

- ANSI/CTA 2010-B-2014 (R2020), Standard Method of Measurement for Powered Subwoofers (reaffirmation of ANSI/CTA 2010-B-2014)
  PINS Date: Dec 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 27, 2020 | Approved

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  PINS Date: Jul 1, 2011 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 30, 2017 | Approved
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  PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Jan 15, 2019 | Approved

  PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 5, 2019 | Approved

- ANSI/CTA 2028-B-2014 (R2019), Color Codes for Outdoor TV Receiving Antennas (reaffirmation of ANSI/CTA 2028-B-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 26, 2019 | Approved

  PINS Date: Mar 8, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 16, 2019 | Approved

- 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: 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 (R2017), Command-Driven IR-Synchronized Active Eyewear Standard (reaffirmation of ANSI/CTA 2038-2012)
  PINS Date: Nov 25, 2016 | Public Review Date: Feb 24, 2017 | Final Action Date: Apr 17, 2017 | Approved

- ANSI/CTA 2040-2011, SD Card Common Interface Standard (new standard)
  PINS Date: May 14, 2010 | Public Review Date: Mar 18, 2011 | Final Action Date: Jun 1, 2011 | Approved

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

  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
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ANSI/CTA 2077-2020, Recommendations for Portable Power Charging Markings (new standard)
PINS Date: Jan 5, 2018 | Public Review Date: Nov 15, 2019 | Final Action Date: Feb 25, 2020 | Approved

PINS Date: Nov 9, 2018 | Public Review Date: Oct 16, 2020 | Final Action Date: Jan 11, 2021 | Approved

PINS Date: Oct 23, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Aug 18, 2021 | Approved

ANSI/CTA 2085-2019, Definitions and Characteristics for VR Video and VR Images (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Nov 11, 2019 | Approved

ANSI/CTA 2087-2019, Recommendations and Best Practices for Connection and Use of Accessories for XR Technologies (new standard)
PINS Date: Aug 17, 2018 | Public Review Date: Sep 6, 2019 | Final Action Date: Dec 9, 2019 | Approved

PINS Date: Dec 14, 2018 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | Approved

ANSI/CTA 2089-2020, Definitions and Characteristics of Artificial Intelligence (new standard)
PINS Date: Mar 8, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 21, 2020 | Approved

ANSI/CTA 2090-2021, The Use of Artificial Intelligence in Health Care: Trustworthiness (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Nov 20, 2020 | Final Action Date: Feb 4, 2021 | Approved

ANSI/CTA 2092-2021, Performance Requirements for Sleep Monitoring Solutions detecting snoring (new standard)
PINS Date: Jun 14, 2019 | Public Review Date: Oct 1, 2021 | Final Action Date: Dec 9, 2021 | Approved

ANSI/CTA 2093-2021, Health, Fitness and Wellness Data: Time, Location, and Source Reporting Format (new standard)
PINS Date: Aug 14, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 24, 2021 | Approved

ANSI/CTA 2096-2021, Guidelines for Developing Trustworthy Artificial Intelligence Systems (new standard)
PINS Date: Jan 3, 2020 | Public Review Date: Oct 22, 2020 | Final Action Date: Dec 9, 2021 | Approved

ANSI/CTA 2098-2021, Definitions & Characteristics of Digital Therapeutics (new standard)
PINS Date: Feb 21, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 4, 2021 | Approved

ANSI/CTA 608-E S-2008 (S2019), Line 21 Data Services (stabilized maintenance of ANSI/CTA 608-E-2008 (R2014))
PINS Date: Jun 14, 2019 | Public Review Date: Aug 30, 2019 | Final Action Date: Nov 26, 2019 | Approved

PINS Date: Feb 2, 2018 | Public Review Date: Mar 23, 2018 | Final Action Date: Jul 10, 2018 | Approved

ANSI/CTA 708.1-2012 (R2017), Closed Captioning for 3D Video (reaffirmation of ANSI/CTA 708.1-2012)
PINS Date: Nov 25, 2016 | Public Review Date: May 5, 2017 | Final Action Date: Jun 22, 2017 | Approved
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  - 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

- ANSI/CTA 852-C-2014 (R2019), Tunneling Device Area Network Protocols Over Internet Protocol Channels  
  (reaffirmation of ANSI/CTA 852-C-2014)
  - PINS Date: Mar 8, 2019 | Public Review Date: May 3, 2019 | Final Action Date: Dec 4, 2019 | Approved

- ANSI/CTA 861-H-2021, A DTV Profile for Uncompressed High Speed Digital Interfaces  (new standard)
  - PINS Date: Jun 14, 2019 | Public Review Date: Dec 11, 2020 | Final Action Date: Jan 28, 2021 | Approved

- 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

- 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

  (reaffirmation of ANSI/CTA/CEDIA 2030-A-2011)
  - PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Feb 1, 2019 | Approved

- ANSI/CTA/CEDIA 863-B-2011 (R2018), Connection Color Codes for Home Theater Systems  
  (reaffirmation of ANSI/CTA/CEDIA 863-B-2011)
  - PINS Date: May 18, 2018 | Public Review Date: Oct 19, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/CTA/NSF 2052.2-2017, Methodology of Measurements for Features in Sleep Tracking Consumer Technology Devices and Applications  
  (new standard)
  - PINS Date: Oct 21, 2016 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 15, 2017 | Approved

- ANSI/CTA/NSF 2052.3-2019, Performance Criteria and Testing Protocols for Features in Sleep Tracking Consumer Technology Devices and Applications  
  (new standard)
  - PINS Date: Jul 21, 2017 | Public Review Date: Jan 18, 2019 | Final Action Date: Apr 18, 2019 | Approved

## DASMA (Door and Access Systems Manufacturers Association)

- ANSI/DASMA 102-2011, Specifications for Sectional Doors  
  (revision of ANSI/DASMA 102-2004)
  - 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

  (revision of ANSI/DASMA 107-1997 (R2004))
  - PINS Date: Mar 14, 2008 | Public Review Date: Oct 31, 2008 | Final Action Date: Jun 15, 2012 | Approved
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<td>DirectTrust (DirectTrust.org, Inc.)</td>
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<td>DSI (Dental Standards Institute, Inc.)</td>
<td>DSI DCNST1.1:2020, DSI DCNST1.1:20XX Verification and Displaying of Dental Patient Chart Notes (DCN)</td>
<td>Sep 18, 2020</td>
<td>Nov 27, 2020</td>
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<td>DMSC, Inc. (Dimensional Metrology Standards Consortium, Inc.)</td>
<td>DMIS 105.3-2015 Part 1, Dimensional Measuring Interface Standard (DMIS Rev. 5.3)</td>
<td>Oct 30, 2015</td>
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**DSI (Dental Standards Institute, Inc.)**
- ANSI/DSI VRST1.1-2020, BRS/DSI VRST1.1:2020 Usage of Therapeutic Virtual Reality for Anxiety Reduction In Healthcare (new standard)
  - PINS Date: Apr 3, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Sep 24, 2020 | Approved

**EASA (Electrical Apparatus Service Association)**
- ANSI/EASA AR100-2020, Recommended Practice for the Repair of Rotating Electrical Apparatus (revision of ANSI/EASA AR100-2015)
  - PINS Date: Aug 19, 2016 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 30, 2020 | Approved

**ECIA (Electronic Components Industry Association)**
- ANSI/EIA 166-A-2019, Miniature Waveguide Flanges, Unpressurized Contact Type (CMR 90 to CMR 284) (new standard)
  - PINS Date: Feb 9, 2018 | Public Review Date: Jul 20, 2018 | Final Action Date: Feb 5, 2019 | Approved
- ANSI/EIA 198-2-E-2014, Ceramic Dielectric Capacitors Classes I, II, III and IV - Part II: Test Methods (new standard)
  - PINS Date: Nov 16, 2012 | Public Review Date: Dec 13, 2013 | Final Action Date: Apr 4, 2014 | Approved
- ANSI/EIA 198-3-10-2015, Multilayer (Monolithic), Unencapsulated, Ceramic Dielectric, Surface-Mount Low Inductance Chip Capacitors And Multi-Terminal Low Inductance Capacitors (new standard)
  - PINS Date: Aug 17, 2012 | Public Review Date: Nov 14, 2014 | Final Action Date: Aug 21, 2015 | Approved
- ANSI/EIA 198-3-6-F-2019, Ceramic Dielectric Capacitors Classes I, II, III, and IV, Part III: Section 6: Axial-Leaded Capacitors, Conformally Coated and Molded Types (new standard)
  - PINS Date: Nov 24, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Feb 5, 2019 | Approved
- ANSI/EIA 198-3-9-F-2019, High Voltage Ceramic Capacitors, Conformally Coated and Multilayer Surface Mount (new standard)
  - PINS Date: Jul 13, 2012 | Public Review Date: Mar 8, 2019 | Final Action Date: Jul 31, 2019 | Approved
- ANSI/EIA 200-B-2018, Circular Waveguides and Flanges (new standard)
  - PINS Date: Nov 18, 2016 | Public Review Date: Aug 4, 2017 | Final Action Date: Apr 24, 2018 | Approved
- 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 - pressurizeable contact types for waveguide sizes WR90 to WR2300 (new standard)
  - PINS Date: Feb 9, 2018 | Public Review Date: Aug 4, 2017 | Final Action Date: Feb 5, 2019 | Approved
- ANSI/EIA 285-A-2019, Waveguide Flanges - Dual Contact Pressurizeable 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
  - Public Review Date: Nov 30, 2018 | Final Action Date: Aug 23, 2019 | Approved
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  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

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- ANSI/EIA 364-17C-2011 (R2017), Temperature Life with or without Electrical Load Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-17C-2011)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved
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PINS Date: Sep 2, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Mar 28, 2017 | Approved |
| ANSI/EIA 364-26-C-2014 (R2019), Salt Spray Test Procedure for Electrical Connectors, Contacts and Sockets (reaffirmation of ANSI/EIA 364-26-C-2014)  
Public Review Date: Aug 2, 2019 | Final Action Date: Dec 20, 2019 | Approved |
Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved |
Public Review Date: Nov 18, 2016 | Final Action Date: Feb 2, 2017 | Approved |
| ANSI/EIA 364-29D-2019, Contact Retention Test Procedure for Electrical Connectors  (revision and redesignation of ANSI/EIA 364-29D-2006 (R2013))  
PINS Date: Aug 31, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: May 21, 2019 | Approved |
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  Public Review Date: Oct 25, 2019 | Final Action Date: Jan 17, 2020 | Approved

- ANSI/EIA 364-34-2012 (R2017), Ambient Condensation Test Procedure for Electrical Connectors and Sockets (reaffirmation of ANSI/EIA 364-34-2012)
  Public Review Date: Jun 23, 2017 | Final Action Date: Aug 21, 2017 | Approved

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

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- ANSI/EIA 364-41E-2010 (R2021), Cable Flexing Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-41E-2010 (R2016))
  Public Review Date: May 21, 2021 | Final Action Date: Jul 23, 2021 | Approved

  PINS Date: Sep 1, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved

- ANSI/EIA 364-43C-2013 (R2019), Cable Clamping (Bending Moment) Test Procedure for Electrical Connectors (reaffirmation of ANSI/EIA 364-43C-2013)
  Public Review Date: Apr 26, 2019 | Final Action Date: Jul 29, 2019 | Approved

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  - PINS Date: Dec 2, 2016 | Public Review Date: Feb 3, 2017 | Final Action Date: Jun 19, 2017 | **Approved**

  - 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**

  - 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**
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  Public Review Date: May 31, 2019 | Final Action Date: Nov 12, 2019 | Approved

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  PINS Date: Jan 20, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 5, 2017 | Approved

- ANSI/EIA 60440-2014 (R2019), Method of measurement of non-linearity in resistors  (reaffirm a national adoption ANSI/EIA 60440-2014)
  Public Review Date: May 31, 2019 | Final Action Date: Nov 12, 2019 | Approved

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- ANSI/EIA 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)
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- ANSI/EIA 61124-2017, Reliability testing - Compliance tests for constant failure rate and constant failure intensity  (identical national adoption of IEC 61124:2012 Ed.3.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61164-2017, Reliability growth - Statistical test and estimation methods  (identical national adoption of IEC 61164:2004 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61649-2017, Weibull Analysis  (identical national adoption of IEC 61649:2008 Ed.2.0)
  PINS Date: Sep 30, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI/EIA 61703-2017, Mathematical expressions for realiability, availability, maintainability and maintenance support terms  (identical national adoption of IEC 61703:2016)
  PINS Date: Mar 24, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Sep 21, 2017 | Approved

- ANSI/EIA 61710-2017, Power law mode - Goodness-of-fit tests and estimation methods  (identical national adoption of IEC 61710:2013 Ed.2.0)
  PINS Date: Aug 19, 2016 | Public Review Date: Jan 27, 2017 | Final Action Date: May 11, 2017 | Approved

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<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</td>
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- ANSI/EIA 971-2014 (R2019), 4 mm Embossed Carrier Taping of Micro-Sized Surface Mount Components for Automatic Handling (reaffirmation of ANSI/EIA 971-2014)
  Public Review Date: Jul 26, 2019 | Final Action Date: Oct 24, 2019 | Approved

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- ANSI/EIA/ECA 747B-2014, Adhesive Backed punched plastic carrier taping of singulated bare die and other surface mount components for automatic handling of devices generally less than 1.0mm thick (new standard)
  PINS Date: Aug 31, 2012 | Public Review Date: Mar 8, 2013 | Final Action Date: Feb 4, 2014 | Approved

EIMA (EIFS Industry Members Association)

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EMAP (Emergency Management Accreditation Program)

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EOS/ESD (ESD Association, Inc.)

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- ANSI/ESD S11.4-2013, ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items - Static Control Bags (new standard)
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**EOS/ESD (ESD Association, Inc.)**

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  - PINS Date: Sep 28, 2018 | Public Review Date: Jul 2, 2021 | Final Action Date: Dec 14, 2021 | Approved

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  - PINS Date: May 10, 2019 | Public Review Date: Aug 23, 2019 | Final Action Date: Oct 28, 2019 | Approved

  - PINS Date: Oct 23, 2020 | Public Review Date: Feb 12, 2021 | Final Action Date: May 13, 2021 | Approved

  - PINS Date: Dec 3, 2010 | Public Review Date: Aug 9, 2013 | Final Action Date: Sep 30, 2013 | Approved

- **ANSI/ESD SP 5.3.2-2004 (R2013)**, ESD Association Standard Practice for Electrostatic Discharge Sensitivity Testing - Socketed Device Model (SDM) - Component Level (reaffirmation of ANSI/ESD SP 5.3.2-2004 (R2008))
  - Public Review Date: Jul 12, 2013 | Final Action Date: Sep 30, 2013 | Approved

  - Public Review Date: Feb 26, 2016 | Final Action Date: May 3, 2016 | Approved

  - PINS Date: Mar 13, 2020 | Public Review Date: Mar 5, 2021 | Final Action Date: Jun 17, 2021 | Approved

  - Public Review Date: Apr 1, 2011 | Final Action Date: Jun 14, 2011 | Approved

  - 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
EOS/ESD (ESD Association, Inc.)

- 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

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  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: Jan 30, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 27, 2018 | Approved

  PINS Date: Oct 10, 2008 | Public Review Date: Mar 15, 2019 | Final Action Date: Jul 29, 2019 | Approved

  PINS Date: Aug 2, 2019 | Public Review Date: Feb 26, 2021 | Final Action Date: Jul 12, 2021 | Approved

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  PINS Date: Mar 1, 2019 | Public Review Date: Aug 23, 2019 | Final Action Date: Oct 17, 2019 | Approved
EOS/ESD (ESD Association, Inc.)

  PINS Date: Jun 12, 2015 | Public Review Date: Aug 23, 2019 | Final Action Date: Dec 19, 2019 | Approved

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  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: Mar 2, 2012 | Final Action Date: Apr 23, 2012 | Approved

  PINS Date: Mar 11, 2011 | Public Review Date: May 18, 2012 | Final Action Date: Jul 29, 2013 | Approved

  PINS Date: Jul 31, 2015 | Public Review Date: Nov 11, 2016 | Final Action Date: Jan 5, 2017 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Aug 28, 2020 | Final Action Date: Jan 7, 2021 | Approved

  PINS Date: Nov 25, 2011 | Public Review Date: Nov 15, 2013 | Final Action Date: Nov 24, 2014 | Approved

  PINS Date: Mar 11, 2011 | Public Review Date: Aug 16, 2013 | Final Action Date: Jul 8, 2015 | Approved

- ANSI/ESD STM97.2-2016, ESD Association Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Footwear/Flooring System - Voltage Measurement in Combination with a Person (new standard)
  PINS Date: Mar 11, 2011 | Public Review Date: Sep 2, 2016 | Final Action Date: Nov 17, 2016 | Approved

  PINS Date: Jun 3, 2016 | Public Review Date: Mar 17, 2017 | Final Action Date: May 12, 2017 | Approved

  PINS Date: Sep 9, 2016 | Public Review Date: May 4, 2018 | Final Action Date: Dec 17, 2018 | Approved
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 30, 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

- ANSI E1.20-2010, Entertainment Technology -- Remote Device Management over USITT DMX512  (revision of ANSI E1.20-2006)
  PINS Date: Mar 7, 2008 | Public Review Date: Feb 12, 2010 | Final Action Date: Jan 4, 2011 | Approved

  PINS Date: Feb 14, 2014 | Public Review Date: Aug 14, 2015 | Final Action Date: Oct 11, 2016 | Approved

- ANSI E1.24-2012 (R2017), Entertainment Technology - Dimensional Requirements for Stage Pin Connectors  (reaffirmation of ANSI E1.24-2012)
  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 23, 2017 | Approved

- ANSI E1.24-2012 (R2021), Entertainment Technology—Dimensional Requirements for Stage Pin Connectors  (reaffirmation of ANSI E1.24-2012)
  Public Review Date: Aug 20, 2021 | Final Action Date: Oct 28, 2021 | Approved

- ANSI E1.25-2012 (R2017), Recommended Basic Conditions For Measuring The Photometric Output Of Stage And Studio Luminaires By Measuring Illumination Levels Produced On A Planar Surface  (reaffirmation of ANSI E1.25 -2012)
  Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

  Public Review Date: Nov 18, 2016 | Final Action Date: Feb 23, 2017 | Approved
ESTA (Entertainment Services and Technology Association)

- ANSI E1.27-1-2006 (R2021), Entertainment Technology—Standard for Portable Control Cables for Use with ANSI E1.11 (DMX512-A) and USITT DMX512/1990 Products (reaffirmation of ANSI E1.27-1-2006 (R2016))
  Public Review Date: Mar 5, 2021 | Final Action Date: May 21, 2021 | Approved

  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI E1.28-2011 (R2021), Guidance on planning followspot positions in places of public assembly (reaffirmation of ANSI E1.28-2011 (R2016))
  Public Review Date: Feb 19, 2021 | Final Action Date: May 5, 2021 | Approved

  Public Review Date: Aug 10, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.3-2001 (R2021), Entertainment Technology - Lighting Control Systems - 0 to 10V Analog Control Specification (reaffirmation of ANSI E1.3-2001 (R2016))
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI E1.30-1-2010 (R2021), EPI 23. Device Identification Subdevice (reaffirmation of ANSI E1.30-1-2010 (R2016))
  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | Approved

  Public Review Date: Aug 10, 2018 | Final Action Date: Nov 6, 2018 | Approved

- ANSI E1.30-11-2019, EPI 33 -- ACN Root Layer Protocol Operation on TCP (new standard)
  PINS Date: Dec 9, 2005 | Public Review Date: Feb 23, 2018 | Final Action Date: May 21, 2019 | Approved

  Public Review Date: May 17, 2019 | Final Action Date: Sep 9, 2019 | Approved

- ANSI E1.30-4-2010 (R2021), EPI 26. Device Description Language (DDL) Extensions for DMX512 and E1.31 Devices (reaffirmation of ANSI E1.30-4-2010 (R2015))
  Public Review Date: May 5, 2021 | Final Action Date: May 27, 2021 | Approved

- ANSI E1.31-2012, Entertainment Technology - Lightweight streaming protocol for transport of DMX512 using ACN (revision of ANSI E1.31-2016)
  PINS Date: Feb 17, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 7, 2018 | Approved

- ANSI E1.32-2012 (R2017), Guide for the Inspection of Entertainment Industry Incandescent Lamp Luminaires (reaffirmation of ANSI E1.32-2012)
  Public Review Date: Feb 17, 2017 | Final Action Date: Sep 15, 2017 | Approved

- ANSI E1.33-2019, Entertainment Technology -- (RDMnet) -- Message Transport and Device Management of ANSI E1.20 (RDM) over IP Networks (new standard)
  PINS Date: Aug 11, 2006 | Public Review Date: Sep 21, 2018 | Final Action Date: Aug 27, 2019 | Approved

  Public Review Date: Nov 2, 2018 | Final Action Date: Mar 8, 2019 | Approved
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<td>Entertainment Technology - Performer Flying Systems</td>
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<td>ANSI E1.44-2014</td>
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<td>ANSI E1.48-2014</td>
<td>A Recommended Luminous Efficiency Function for Stage and Studio Luminaire Photometry (reaffirmation of ANSI E1.48-2014)</td>
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<td>ANSI E1.55-2016</td>
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<td>ANSI E1.57-2016</td>
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## Approved American National Standards

The data in this document is reported as of Tuesday, January 4, 2022

### ESTA (Entertainment Services and Technology Association)

- ANSI E1.8-2018, Entertainment Technology - Loudspeaker Enclosures Intended for Overhead Suspension - Classification, Manufacture and Structural Testing  (revision of ANSI E1.8-2012)
  - PINS Date: Aug 11, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Nov 29, 2018 | Approved

  - Public Review Date: Aug 11, 2017 | Final Action Date: Nov 2, 2017 | Approved

- ANSI ES1.19-2020, Safety Requirements for Special Event Structures  (revision of ANSI ES1.19-2018)
  - PINS Date: Apr 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jun 2, 2020 | Approved

- ANSI ES1.4-2021, Event Safety - Fire Safety Requirements  (new standard)
  - 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)
  - PINS Date: Nov 18, 2016 | Public Review Date: Nov 15, 2019 | Final Action Date: Jul 6, 2020 | Approved

  - PINS Date: Aug 11, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Sep 27, 2018 | Approved

  - PINS Date: Dec 8, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Mar 23, 2020 | Approved

  - PINS Date: Aug 9, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 1, 2020 | Approved

  - PINS Date: Dec 8, 2017 | Public Review Date: Nov 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/E1.53-2019, Overhead mounting of luminaires, lighting accessories, and other portable devices: specification and practice  (revision of ANSI E1.53-2016)
  - PINS Date: Aug 24, 2018 | Public Review Date: Oct 5, 2018 | Final Action Date: Jun 28, 2019 | Approved

- ANSI/E1.6-3-2019, Selection and Use of Serially Manufactured Chain Hoists in the Entertainment Industry  (revision of ANSI/E1.6-3-2012)
  - PINS Date: Apr 7, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Oct 14, 2019 | Approved

  - PINS Date: Nov 2, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Apr 3, 2020 | Approved

### FCI (Fluid Controls Institute)

- 1300 Sumner Avenue, Cleveland, OH 44115 | w: www.fluidcontrolsinstitute.org

- ANSI/FCI 13-1-2016, Determining Condensate Loads to Size Steam Traps  (new standard)
  - PINS Date: Aug 1, 2014 | Public Review Date: Feb 26, 2016 | Final Action Date: Jul 1, 2016 | Approved

  - PINS Date: Jun 5, 2020 | Public Review Date: Jul 24, 2020 | Final Action Date: Oct 16, 2020 | Approved
FIC (Fluid Controls Institute)

- ANSI/FCI 18-1-2021, Standard for Sizing and Selection of Type 1 Secondary Pressure Drainers (new standard)
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 13, 2020 | Final Action Date: Jan 14, 2021 | Approved

- ANSI/FCI 18-2-2020, Standard for Installation of Type 1 Secondary Pressure Drainers (new standard)
  PINS Date: Aug 24, 2018 | Public Review Date: Nov 22, 2019 | Final Action Date: Sep 23, 2020 | Approved

- ANSI/FCI 19-1-2021, Standard for Sizing & Selection of Type 2 Secondary Pressure Drainers (new standard)
  PINS Date: Nov 29, 2019 | Public Review Date: Oct 23, 2020 | Final Action Date: Feb 25, 2021 | Approved

- ANSI/FCI 4-1-2014 (R2019), Pressure Regulator Hydrostatic Shell Test Method (reaffirmation of ANSI/FCI 4-1-2014)
  PINS Date: Jun 14, 2019 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 18, 2019 | Approved

  PINS Date: Oct 29, 2010 | Public Review Date: May 19, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI/FCI 70-2-2021, Control Valve Seat Leakage Testing (revision of ANSI/FCI 70-2-2013)
  PINS Date: Mar 3, 2017 | Public Review Date: Sep 4, 2020 | Final Action Date: Jan 26, 2021 | Approved

- ANSI/FCI 70-3-2021, Standard for Regulator Seat Leakage Testing (revision of ANSI/FCI 70-3-2016)
  PINS Date: Aug 28, 2020 | Public Review Date: Dec 4, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 79-1-2021, Standard for Proof of Pressure Ratings for Pressure Regulators and Temperature Regulators
  (revision of ANSI/FCI 79-1-2016)
  PINS Date: Aug 28, 2020 | Public Review Date: Mar 19, 2021 | Final Action Date: May 7, 2021 | Approved

  PINS Date: Dec 16, 2016 | Public Review Date: Oct 4, 2019 | Final Action Date: Nov 21, 2019 | Approved

- ANSI/FCI 87-1-2017, Classification and Operating Principles of Steam Traps (revision of ANSI/FCI 87-1-2009)
  PINS Date: Aug 28, 2020 | Public Review Date: May 20, 2016 | Final Action Date: May 11, 2017 | Approved

- ANSI/FCI 91-1-2020, Standard for Qualification of Control Valve Stem Seals (new standard)
  PINS Date: Jun 19, 2015 | Public Review Date: Mar 20, 2020 | Final Action Date: Oct 19, 2020 | Approved

- ANSI/FCI 97-1-2019, Standard for Production Testing of Secondary Pressure Drainers (revision of ANSI/FCI 97-1
  -2013)
  PINS Date: Apr 20, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Nov 14, 2019 | Approved

  -2014)
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  PINS Date: Jun 14, 2019 | Public Review Date: Sep 11, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/FCI 99-3-2020, Backpressure Regulator Capacity (revision of ANSI/FCI 99-3-2012)
  PINS Date: Mar 3, 2017 | Public Review Date: Jul 19, 2019 | Final Action Date: Mar 18, 2021 | Approved

FM (FM Approvals)

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

- ANSI/FM 1035-2018, Nitrogen Generators (new standard)
  PINS Date: Oct 10, 2014 | Public Review Date: Jul 13, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Mar 8, 2002 | Public Review Date: Oct 31, 2014 | Final Action Date: Feb 1, 2016 | Approved
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<td>ANSI/FM 4996-2019, Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets</td>
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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

  - Public Review Date: Jun 25, 2021 | Final Action Date: Sep 3, 2021 | Approved

### GISC (ASC Z97) (Glazing Industry Secretariat Committee)
730 Worcester Street, Springfield, MA 01151 | w: www.ansiz97.com

  - Public Review Date: Apr 17, 2020 | Final Action Date: Sep 3, 2020 | Approved

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

  - PINS Date: Apr 21, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/MSE 50028-2-2019, Superior Energy Performance(R) 50001 Program - Requirements for verification bodies for use in accreditation or other forms of recognition (reaffirmation and redesignation of ANSI/MSE 50028-2016)
  - PINS Date: Apr 21, 2017 | Public Review Date: Sep 7, 2018 | Final Action Date: May 3, 2019 | Approved

  - PINS Date: Dec 8, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Aug 29, 2018 | Approved

### HFES (Human Factors & Ergonomics Society)
2025 M Street NW, Suite 800, Washington, DC 20036 | w: www.hfes.org

- ANSI/HFES 400-2021, Human Readiness Level Scale in the System Development Process (new standard)
  - PINS Date: Aug 14, 2020 | Public Review Date: Jan 29, 2021 | Final Action Date: Sep 7, 2021 | Approved

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

- ANSI/HI 1.1-1.2-2014, Rotodynamic Centrifugal Pumps for Nomenclature & Definitions (revision of ANSI/HI 1.1-1.2-2008)
  - PINS Date: Sep 28, 2012 | Public Review Date: Jan 31, 2014 | Final Action Date: Oct 30, 2014 | Approved

- ANSI/HI 1.3-2013, Rotodynamic Centrifugal Pumps for Design and Application (revision of ANSI/HI 1.3-2009)
  - PINS Date: Apr 22, 2011 | Public Review Date: Jun 7, 2013 | Final Action Date: Dec 19, 2013 | Approved

- ANSI/HI 1.4-2014, Rotodynamic Centrifugal Pumps for Manuals Describing Installation, Operation, and Maintenance (revision of ANSI/HI 1.4-2010)
  - PINS Date: Sep 28, 2012 | Public Review Date: May 3, 2013 | Final Action Date: Jun 2, 2014 | Approved

- ANSI/HI 10.1-10.5-2021, Air-operated Pumps for Nomenclature, Definitions, Application, and Operation (revision of ANSI/HI 10.1-10.5-2010 (R2016))
  - PINS Date: Jan 3, 2020 | Public Review Date: May 14, 2021 | Final Action Date: Jul 19, 2021 | Approved
**HI (Hydraulic Institute)**

- **ANSI/HI 10.6-2021, Air-Operated Pump Tests** (revision of ANSI/HI 10.6-2010 (R2016))
  PINS Date: Jan 3, 2020 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 4, 2021 | Approved

- **ANSI/HI 11.6-2017, Rotodynamic Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure Mechanical, and Electrical Acceptance Tests** (revision of ANSI/HI 11.6-2012)
  PINS Date: Mar 20, 2015 | Public Review Date: Jul 21, 2017 | Final Action Date: Sep 1, 2017 | Approved

- **ANSI/HI 12.1-12.6-2021, Rotodynamic Centrifugal Slurry Pumps for Nomenclature, Definitions, Applications, and Operation** (revision of ANSI/HI 12.1-12.6-2016)
  PINS Date: Dec 21, 2018 | Public Review Date: Sep 3, 2021 | Final Action Date: Nov 23, 2021 | Approved

  PINS Date: Apr 11, 2014 | Public Review Date: Jun 15, 2018 | Final Action Date: Apr 9, 2019 | Approved

- **ANSI/HI 14.3-2019, Rotodynamic Pumps for Design and Application** (new standard)
  PINS Date: Feb 15, 2013 | Public Review Date: Oct 12, 2018 | Final Action Date: Feb 1, 2019 | Approved

- **ANSI/HI 14.4-2018, Rotodynamic Pumps for Installation, Operation and Maintenance** (new standard)
  PINS Date: Apr 11, 2014 | Public Review Date: Jun 8, 2018 | Final Action Date: Nov 29, 2018 | Approved

- **ANSI/HI 14.6-2016, Rotodynamic Pumps for Hydraulic Performance Acceptance Tests** (revision of ANSI/HI 14.6-2011)
  PINS Date: Mar 20, 2015 | Public Review Date: Jun 10, 2016 | Final Action Date: Aug 31, 2016 | Approved

  PINS Date: Sep 28, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: Apr 8, 2014 | Approved

- **ANSI/HI 2.3-2013, Rotodynamic (Vertical) Pumps of Radial, Mixed, and Axial Flow Types for Design and Application** (revision of ANSI/HI 2.3-2008)
  PINS Date: Apr 22, 2011 | Public Review Date: Jun 8, 2012 | Final Action Date: Dec 19, 2013 | Approved

- **ANSI/HI 2.4-2014, Rotodynamic Vertical Pumps for Installation, Operation and Maintenance** (revision of ANSI/HI 2.4-2008)
  PINS Date: Sep 28, 2012 | Public Review Date: Apr 19, 2013 | Final Action Date: May 12, 2014 | Approved

- **ANSI/HI 3.1-3.5-2021, Rotary Pumps for Nomenclature, Definitions, Application, and Operation** (revision of ANSI/HI 3.1-3.5-2015)
  PINS Date: Dec 21, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 30, 2021 | Approved

- **ANSI/HI 3.6-2016, Rotary Pump Tests** (revision of ANSI/HI 3.6-2010)
  PINS Date: Jun 5, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Aug 17, 2016 | Approved

- **ANSI/HI 4.1-4.6-2017, Sealless, Magnetically Driven Rotary Pumps for Nomenclature, Definitions, Application, Operation, and Test** (revision of ANSI/HI 4.1-4.6-2010)
  PINS Date: Jun 26, 2015 | Public Review Date: Mar 31, 2017 | Final Action Date: May 23, 2017 | Approved

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

- **ANSI/HI 7.1-7.5-2017, Controlled-Volume Metering Pumps - Nomenclature, Definition, Application and Operation** (revision of ANSI/HI 7.1-7.5-2013)
  PINS Date: Mar 25, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Aug 3, 2017 | Approved

- **ANSI/HI 7.6-2018, Controlled Volume Metering Pumps - Test** (revision of ANSI/HI 7.6-2012)
  PINS Date: Mar 25, 2016 | Public Review Date: Dec 15, 2017 | Final Action Date: Jun 29, 2018 | Approved
HI (Hydraulic Institute)

- ANSI/HI 7.8-2021, HI-7.8 Controlled Volume Metering Pump Piping Guideline (revision of ANSI/HI 7.8-2016)
  PINS Date: Jan 3, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Dec 2, 2021 | Approved

  PINS Date: Sep 28, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Sep 28, 2021 | Approved

  PINS Date: Apr 11, 2014 | Public Review Date: Aug 5, 2016 | Final Action Date: Jan 6, 2017 | Approved

  PINS Date: Apr 27, 2018 | Public Review Date: Jun 19, 2020 | Final Action Date: Aug 16, 2021 | Approved

- ANSI/HI 9.6.3-2017, Rotodynamic Pumps - Guideline for Operating Regions (revision of ANSI/HI 9.6.3-2012)
  PINS Date: Apr 11, 2014 | Public Review Date: May 20, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/HI 9.6.4-2016, Rotodynamic Pumps for Vibration Measurements and Allowable Values (revision of ANSI/HI 9.6.4-2009)
  PINS Date: Jun 14, 2013 | Public Review Date: May 20, 2016 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/HI 9.6.5-2016, Rotodynamic Pumps - Guideline for Condition Monitoring (revision of ANSI/HI 9.6.5-2009)
  PINS Date: Dec 20, 2013 | Public Review Date: Mar 11, 2016 | Final Action Date: Jul 21, 2016 | Approved

- ANSI/HI 9.6.6-2016, Rotodynamic Pumps for Pump Piping (revision of ANSI/HI 9.6.6-2009)
  PINS Date: Dec 20, 2013 | Public Review Date: Jan 1, 2016 | Final Action Date: Mar 23, 2016 | Approved

  PINS Date: May 5, 2017 | Public Review Date: Sep 18, 2020 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/HI 9.6.8-2014 (R2021), Rotodynamic Pumps - Guideline for Dynamics of Pumping Machinery (reaffirmation of ANSI/HI 9.6.8-2014)
  PINS Date: Jan 3, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Aug 30, 2021 | Approved

  PINS Date: May 5, 2017 | Public Review Date: Oct 12, 2018 | Final Action Date: Dec 4, 2018 | Approved

- ANSI/HI 9.8-2018, Rotodynamic Pumps for Pump Intake Design (revision of ANSI/HI 9.8-2012)
  PINS Date: Dec 20, 2013 | Public Review Date: Aug 25, 2017 | Final Action Date: Jan 8, 2018 | Approved

HIBCC (Health Industry Business Communications Council)

2525 E. Arizona Biltmore Circle Ste. 127, Phoenix, AZ 85016 | w: www.hibcc.org

  PINS Date: Jul 1, 2016 | Public Review Date: Jul 8, 2016 | Final Action Date: Sep 1, 2016 | Approved

HL7 (Health Level Seven)

3300 Washtenaw Avenue, Suite 227, Ann Arbor, MI 48104 | w: www.hl7.org

  Public Review Date: May 31, 2019 | Final Action Date: Jul 31, 2019 | Approved

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  - Public Review Date: Oct 1, 2021 | Final Action Date: Dec 10, 2021 | **Approved**

  - PINS Date: Jun 12, 2015 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 13, 2021 | **Approved**

  - Public Review Date: Jun 4, 2021 | Final Action Date: Aug 9, 2021 | **Approved**

- **ANSI/HL7 CQLANG, R1-2020, HL7 Cross-Paradigm Specification: Clinical Quality Language, Release 1** (new standard)
  - PINS Date: Mar 27, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 1, 2020 | **Approved**

- **ANSI/HL7 EHR BHFP, R1-2008 (R2019), HL7 EHR Behavioral Health Functional Profile, Release 1** (reaffirmation of ANSI/HL7 EHR BHFP, R1-2008 (R2014))
  - Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | **Approved**

- **ANSI/HL7 EHR CHFP, R1-2008 (R2019), HL7 EHR Child Health Functional Profile, Release 1** (reaffirmation of ANSI/HL7 EHR CHFP, R1-2008 (R2014))
  - Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | **Approved**

- **ANSI/HL7 EHR CRFP, R1-2009 (R2019), HL7 EHR Clinical Research Functional Profile, Release 1** (reaffirmation of ANSI/HL7 EHR CRFP, R1-2009 (R2014))
  - Public Review Date: May 31, 2019 | Final Action Date: Aug 1, 2019 | **Approved**

- **ANSI/HL7 EHR LTCFP, R1-2010 (R2016), HL7 EHR System Long Term Care Functional Profile, Release 1 - US Realm** (reaffirmation of ANSI/HL7 EHR LTCFP, R1-2010)
  - PINS Date: Aug 14, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Jan 22, 2016 | **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)
  - Public Review Date: Jun 4, 2021 | Final Action Date: Aug 9, 2021 | **Approved**

- **ANSI/HL7 EHR RMESFP R1-2010, HL7 EHR System Records Management and Evidentiary Support Functional Model, Release 1** (new standard)
  - PINS Date: Dec 28, 2007 | Public Review Date: Apr 30, 2010 | Final Action Date: Aug 16, 2010 | **Approved**

  - PINS Date: Jun 10, 2016 | Public Review Date: May 18, 2018 | Final Action Date: Sep 4, 2018 | **Approved**

- **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)
  - PINS Date: Jan 26, 2018 | Public Review Date: May 8, 2020 | Final Action Date: Jun 30, 2020 | **Approved**
HL7 (Health Level Seven)

- ANSI/HL7 EHRXPROVFP, R1-2012 (R2017), HL7 EHR-System Pharmacist/Pharmacy Provider Functional Profile, Release 1 - US Realm (reaffirmation of ANSI/HL7 EHRXPROVFP, R1-2012)
  Public Review Date: Feb 10, 2017 | Final Action Date: Jun 12, 2017 | Approved

- ANSI/HL7 EHRS FM FP ENCPRS, R2-2020, HL7 EHR-System Electronic Nutrition Care Process Record System (ENCPRS) Functional Profile, Release 2 (new standard)
  PINS Date: Feb 23, 2018 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 15, 2020 | Approved

  PINS Date: Oct 28, 2016 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 17, 2020 | Approved

- ANSI/HL7 FHIR R4 PATIENT R1-2019, HL7 FHIR R4 Patient, Release 1 (new standard)
  PINS Date: Mar 16, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Mar 14, 2019 | Approved

  PINS Date: Mar 16, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Jul 31, 2019 | Approved

- ANSI/HL7 FHIR® OBS R1-2019, HL7 FHIR R4 Observation, Release 1 (new standard)
  PINS Date: Mar 16, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Jul 31, 2019 | Approved

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  PINS Date: Apr 5, 2019 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 24, 2020 | Approved

  PINS Date: Jul 17, 2015 | Public Review Date: Jun 3, 2016 | Final Action Date: Aug 5, 2016 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Nov 29, 2019 | Final Action Date: Jan 16, 2020 | Approved

- ANSI/HL7 PHRSFM, R2-2021, HL7 EHRS-FM Release 2: Personal Health Record System Functional Model, Release 2 (revision and redesignation of ANSI/HL7 PHRSFM, R1-2014)
  PINS Date: Dec 29, 2017 | Public Review Date: Aug 20, 2021 | Final Action Date: Oct 12, 2021 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jul 6, 2019 | Approved

- ANSI/HL7 PSIM, R1-2021, HL7 Privacy and Security Logical Data Model, Release 1 (new standard)
  PINS Date: Aug 21, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

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<td>ANSI/HL7 V26 IG CCHD, R1-2020, HL7 Version 2.6 Implementation Guide: Newborn Screening for Critical Congenital Heart Defects (CCHD), Release 1</td>
<td>(new standard)</td>
<td>PINS Date: Jul 6, 2018</td>
<td>Public Review Date: May 22, 2020</td>
<td>Final Action Date: Aug 3, 2020</td>
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<td>ANSI/HL7 V3 CPM CMET, R4-2018, HL7 Version 3 Standard: Common Product Model CMETs, Release 4</td>
<td>(revision and redesignation of ANSI/HL7 V3 CPM CMET, R3-2016)</td>
<td>PINS Date: Jul 29, 2016</td>
<td>Public Review Date: Dec 29, 2017</td>
<td>Final Action Date: Feb 27, 2018</td>
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<td>ANSI/HL7 V3 CS CMET, R1-2016, HL7 Version 3 Standard: Clinical Statement CMETs, Release 1</td>
<td>(new standard)</td>
<td>PINS Date: Aug 14, 2015</td>
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<td>Final Action Date: May 26, 2016</td>
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PINS Date: Sep 11, 2009 | Public Review Date: Apr 28, 2017 | Final Action Date: Jun 15, 2017 | Approved

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Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved

Public Review Date: Jul 12, 2019 | Final Action Date: Sep 9, 2019 | Approved

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

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HL7 (Health Level Seven)

  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 PA ENCOUNTER, R1-2016, HL7 Version 3 Standard: Patient Administration; Patient Encounter, Release 1 (new standard)
  PINS Date: Aug 14, 2015 | Public Review Date: Nov 20, 2015 | Final Action Date: Jan 22, 2016 | 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

  Public Review Date: Mar 6, 2020 | Final Action Date: Apr 27, 2020 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: Jun 7, 2019 | Approved

  Public Review Date: Oct 1, 2021 | Final Action Date: Dec 16, 2021 | Approved

- ANSI/HL7 V3 PC CAREPLAN, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREPLAN, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

- ANSI/HL7 V3 PC CAREREC, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Queries Care Record Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CAREREC, R1-2013)
  Public Review Date: Feb 23, 2018 | Final Action Date: Jun 15, 2018 | Approved

- ANSI/HL7 V3 PC CARETRANS, R1-2013 (R2018), HL7 Version 3 Standard: Care Provision; Care Transfer Topic, Release 1 (reaffirmation of ANSI/HL7 V3 PC CARETRANS, R1-2013)
  Public Review Date: Mar 2, 2018 | Final Action Date: May 8, 2018 | Approved

- ANSI/HL7 V3 PCAS, R1-2018, HL7 Version 3 Standard: Care Provision; Assessment Scales, Release 1 (new standard)
  PINS Date: Aug 19, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: May 24, 2018 | Approved

  Public Review Date: Feb 23, 2018 | Final Action Date: Apr 20, 2018 | Approved

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  - PINS Date: Apr 6, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 28, 2020 | Approved

  - Public Review Date: Jun 4, 2021 | Final Action Date: Aug 9, 2021 | Approved

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  - Public Review Date: Aug 26, 2011 | Final Action Date: Nov 4, 2011 | Approved

- **ANSI/HL7 V3 REG RTLTM, R1-2011 (R2016)**, HL7 Version 3 Standard: Registries; Real-Time Location Tracking, Release 1 (reaffirmation of ANSI/HL7 V3 REG RTLTM, R1-2011)
  - PINS Date: May 6, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Sep 23, 2016 | Approved

  - Public Review Date: May 6, 2016 | Final Action Date: Jul 28, 2016 | Approved

- **ANSI/HL7 V3 RIM, R7-2016 (R2021)**, HL7 Version 3 Standard: Reference Information Model, Release 7 (reaffirmation of ANSI/HL7 V3 RIM, R7-2016)
  - Public Review Date: Oct 1, 2021 | Final Action Date: Dec 10, 2021 | Approved

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

- **ANSI/HL7 V3 RXCMET, R1-2014 (R2019)**, HL7 Version 3 Standard: Pharmacy CMETs, Release 1 (reaffirmation of ANSI/HL7 V3 RXCMET, R1-2014)
  - Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/HL7 V3 RXMDSEVNT, R2-2014 (R2019)**, HL7 Version 3 Standard: Pharmacy; Medication Dispense and Supply Event, Release 2 (reaffirmation of ANSI/HL7 V3 RXMDSEVNT, R2-2014)
  - Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/HL7 V3 RXMEDCMET, R1-2014 (R2019)**, HL7 Version 3 Standard: Pharmacy; Medication CMET, Release 1 (reaffirmation of ANSI/HL7 V3 RXMEDCMET, R1-2014)
  - Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

- **ANSI/HL7 V3 RXMEDORDER, R2-2014 (R2019)**, HL7 Version 3 Standard: Pharmacy; Medication Order, Release 2 (reaffirmation of ANSI/HL7 V3 RXMEDORDER, R2-2014)
  - Public Review Date: Mar 22, 2019 | Final Action Date: Jul 19, 2019 | Approved

  - Public Review Date: Apr 6, 2018 | Final Action Date: May 24, 2018 | Approved

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HL7 (Health Level Seven)

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  **PINS Date:** Jan 19, 2018 | **Public Review Date:** Jul 13, 2018 | **Final Action Date:** Sep 6, 2018 | **Approved**

  
  **PINS Date:** Nov 29, 2013 | **Public Review Date:** Dec 28, 2018 | **Final Action Date:** Feb 22, 2019 | **Approved**

- ANSI/HL7CDAR2 IG TRAUMAREG, R2-2019, HL7(R) CDA(R) R2 Implementation Guide: Trauma Registry Data Submission, Release 2 - US Realm (revision and redesignation of ANSI/HL7 CDAR2 IG TRAUMAREG R1-2016)
  
  **PINS Date:** Apr 6, 2018 | **Public Review Date:** Nov 9, 2018 | **Final Action Date:** Jan 17, 2019 | **Approved**

  
  **PINS Date:** Mar 29, 2013 | **Public Review Date:** Jun 7, 2013 | **Final Action Date:** Aug 6, 2013 | **Approved**

## Home Innovation (Home Innovation Research Labs)

- 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)

- HPS (ASC N13) (Health Physics Society)
  
  1313 Dolley Madison Blvd, Suite 402, McLean, VA 22101 | w: www.hps.org

- ANSI N12.1-2015, Fissile Material Symbol (new standard)
  
  **PINS Date:** May 10, 2013 | **Public Review Date:** Jul 11, 2014 | **Final Action Date:** Apr 17, 2015 | **Approved**

  
  **PINS Date:** Oct 26, 2018 | **Public Review Date:** Feb 12, 2021 | **Final Action Date:** Apr 5, 2021 | **Approved**

  
  **Public Review Date:** Dec 19, 2014 | **Final Action Date:** Mar 12, 2015 | **Approved**

  
  **PINS Date:** Mar 4, 2011 | **Public Review Date:** Jan 18, 2013 | **Final Action Date:** May 6, 2013 | **Approved**

  
  **PINS Date:** Jan 7, 2011 | **Public Review Date:** Sep 29, 2017 | **Final Action Date:** Sep 11, 2018 | **Approved**

- ANSI N13.22-2013, Bioassay Program for Uranium (new standard)
  
  **PINS Date:** Apr 12, 2013 | **Public Review Date:** Aug 9, 2013 | **Final Action Date:** Sep 30, 2013 | **Approved**

- ANSI N13.3-2013 (R2019), Dosimetry for Criticality Accidents (reaffirmation of ANSI N13.3-2013)
  
  **Public Review Date:** Apr 5, 2019 | **Final Action Date:** Jun 28, 2019 | **Approved**

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

  
  **PINS Date:** Oct 20, 2017 | **Public Review Date:** Jun 8, 2018 | **Final Action Date:** Jul 27, 2018 | **Approved**
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### HPS (ASC N43) (Health Physics Society)

- **ANSI N43.1-2011**, Radiation Safety for the Design and Operation of Particle Accelerators (new standard)  
  PINS Date: Aug 3, 2007 | Public Review Date: Apr 29, 2011 | Final Action Date: Nov 9, 2011 | Approved

- **ANSI N43.10-2019**, Safe Design and Use of Panoramic, Dry Source Storagae (Category II), Self-Contained Wet Source Storage (Category III), and Panoramic, Wet Source Storage (Category IV) Gamma Irradiators (revision of ANSI N43.10-2001 (R2010))  
  PINS Date: Mar 22, 2019 | Public Review Date: Aug 9, 2019 | Final Action Date: Nov 9, 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 N43.3-2013**, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV (new standard)  
  PINS Date: May 4, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jul 8, 2013 | Approved

- **ANSI N43.4-2021**, Classification of Radioactive Self-Luminous Light Sources (revision of ANSI N43.4-2013)  
  PINS Date: Oct 16, 2020 | Public Review Date: Nov 27, 2020 | Final Action Date: Jan 21, 2021 | Approved

- **ANSI N43.5-2013**, Radiological Safety Standard for the Design of Radiographic and Radioscopic Non-Medical X-Ray Equipment Below 1 MeV (new standard)  
  PINS Date: May 4, 2012 | Public Review Date: Apr 12, 2013 | Final Action Date: Jul 8, 2013 | Approved

- **ANSI N43.6-2007 (R2013)**, Sealed Radioactive Sources--Classification (reaffirmation of ANSI N43.6-2007)  
  Public Review Date: Jul 5, 2013 | Final Action Date: Sep 23, 2013 | Approved

- **ANSI N43.7-2018**, Safe Design and Use of Self-Contained, Dry Source Storage Irradiators (Category I) (new standard)  
  PINS Date: Jan 26, 2018 | Public Review Date: May 11, 2018 | Final Action Date: Jul 24, 2018 | Approved

- **ANSI N43.8-2008 (R2013)**, Classification of Industrial Ionizing Radiation Gauging Devices (reaffirmation of ANSI N43.8-2008)  
  Public Review Date: Jul 5, 2013 | Final Action Date: Sep 23, 2013 | Approved

  PINS Date: Jun 20, 2008 | Public Review Date: Feb 27, 2015 | Final Action Date: Apr 17, 2015 | Approved

### HPVA (Hardwood Plywood Veneer Association)

  PINS Date: Oct 13, 2017 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 14, 2020 | Approved
HPVA (Hardwood Plywood Veneer Association)

- ANSI/HPVA HP-1-2020, Standard for Hardwood and Decorative Plywood (revision of ANSI/HPVA HP-1-2016)
  PINS Date: Jun 7, 2019 | Public Review Date: Dec 6, 2019 | Final Action Date: Aug 17, 2020 | Approved
- ANSI/HPVA LTDD 1.0-2015, Standard for Due Diligence in Procuring/Sourcing Legal Timber (new standard)
  PINS Date: Sep 28, 2012 | Public Review Date: Mar 25, 2016 | Final Action Date: Feb 24, 2015 | Approved

HSI (Healthcare Standards Institute)

  PINS Date: Jan 29, 2021 | Public Review Date: Jun 18, 2021 | Final Action Date: Nov 12, 2021 | Approved

IACET (International Association for Continuing Education and Training)

  PINS Date: Feb 10, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Nov 3, 2017 | Approved

IAPMO (International Association of Plumbing & Mechanical Officials)

- ANSI/IAPMO UMC 1-2021, Uniform Mechanical Code (revision of ANSI/IAPMO UMC 1-2018)
  PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved
- ANSI/IAPMO UPC 1-2021, Uniform Plumbing Code (revision of ANSI/IAPMO UPC 1-2018)
  PINS Date: Oct 13, 2017 | Public Review Date: Sep 6, 2019 | Final Action Date: Nov 14, 2019 | Approved
  PINS Date: Nov 9, 2018 | Public Review Date: Sep 11, 2020 | Final Action Date: Nov 30, 2020 | Approved
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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

  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
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1010-2021, Performance Requirements for Water Hammer Arresters (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1011-2017, Performance Requirements for Hose Connection Backflow Preventers (new standard)
  PINS Date: Apr 22, 2011 | Public Review Date: Oct 14, 2016 | Final Action Date: Nov 16, 2017 | Approved

- ANSI/ASSE 1012-2021, Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

- ANSI/ASSE 1013-2021, Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies (revision of ANSI/ASSE 1013-2011)
  PINS Date: Sep 2, 2016 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 1, 2021 | Approved

- ANSI/ASSE 1014-2020, Performance Requirements for Backflow Prevention Devices for Hand-Held Showers (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/ASSE 1015-2021, Performance Requirements for Double Check Backflow Prevention Assemblies (revision of ANSI/ASSE 1015-2011)
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- ANSI/ASSE 1019-2011 (R2016), Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance (reaffirmation of ANSI/ASSE 1019-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/ASSE 1020-2020, Performance Requirements for Pressure Vacuum Breaker Assembly (new standard)
  PINS Date: Apr 10, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/ASSE 1022-2020, Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment (revision of ANSI/ASSE 1022-2017)
  PINS Date: Aug 7, 2020 | Public Review Date: Oct 2, 2020 | Final Action Date: Dec 11, 2020 | Approved

- ANSI/ASSE 1023-2020, Performance Requirements for Electrically Heated or Cooled Water Dispensers (revision of ANSI/ASSE 1023-2019)
  PINS Date: May 15, 2020 | Public Review Date: Jul 10, 2020 | Final Action Date: Sep 1, 2020 | Approved

- ANSI/ASSE 1024-2017 (R2021), Performance Requirements for Dual Check Backflow Preventers (reaffirmation of ANSI/ASSE 1024-2017)
  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 15, 2021 | Approved

- ANSI/ASSE 1030-2021, Performance Requirements for Positive Pressure Reduction Devices for Sanitary Drainage Systems (revision of ANSI/ASSE 1030-2016)
  PINS Date: May 15, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Apr 27, 2021 | Approved

- ANSI/ASSE 1032-2011 (R2021), Performance Requirements for Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post Mix Type (reaffirmation of ANSI/ASSE 1032-2011)
  PINS Date: Apr 22, 2016 | Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- 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)
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- ANSI/ASSE 1052-2016, Performance Requirements for Hose Connection Backflow Preventers (new standard)
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- ANSI/ASSE 1053-2019, Performance Requirements for Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Types (new standard)
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- ANSI/ASSE 1055-2020, Performance Requirements for Chemical Dispensers with Integral Backflow Protection (revision of ANSI/ASSE 1055-2018)
  Public Review Date: Jul 31, 2020 | Final Action Date: Sep 17, 2020 | Approved

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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
IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE 1069-2020, Performance Requirements for Automatic Temperature Control Mixing Valves (new standard)
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- ANSI/ASSE 1071-2012 (R2021), Performance Requirements for Temperature Actuated Mixing Valves for Plumbed Emergency Equipment (reaffirmation of ANSI/ASSE 1071-2012)
  Public Review Date: Nov 20, 2020 | Final Action Date: Jan 15, 2021 | Approved

- ANSI/ASSE 1072-2020, Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains (new standard)
  PINS Date: May 18, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 23, 2020 | Approved

- ANSI/ASSE 1079-2012 (R2021), Performance Requirements for Dielectric Pipe Unions (reaffirmation of ANSI/ASSE 1079-2012)
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- ANSI/ASSE 1084-2018, Performance Requirements for Water Heaters with Temperature Limiting Capacity (new standard)
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- ANSI/ASSE 1086-2020, Reverse Osmosis Water Efficiency - Drinking Water (new standard)
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- ANSI/ASSE 1087-2018, Performance Requirements for Commercial and Food Service Water Treatment Equipment Utilizing Drinking Water (new standard)
  PINS Date: Jun 3, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 29, 2018 | Approved

- ANSI/ASSE 1090-2020, Performance Requirements for Drinking Water Atmospheric Water Generators (AWG) (new standard)
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- ANSI/ASSE 1098-2021, Performance Requirements for Atmospheric Vacuum Breakers for VacuumToilet Assemblies and Galley Waste Disposal Units on Commercial Aircraft (new standard)
  PINS Date: Jan 3, 2020 | Public Review Date: Jan 8, 2021 | Final Action Date: Apr 5, 2021 | Approved

- ANSI/ASSE 1099/WSC-PST-2021, Performance Requirements for Pressurized Water Storage Tanks (new standard)
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- ANSI/ASSE Series 6000-2021, Professional Qualifications Standard for Medical Gas Systems Personnel (revision of ANSI/ASSE Series 6000-2018)
  PINS Date: Oct 18, 2019 | Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | Approved

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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)
  PINS Date: Sep 11, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Jul 13, 2021 | Approved

- ANSI/ASSE Standard 1050-2021, Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems (new standard)
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IAPMO (ASSE Chapter) (ASSE International Chapter of IAPMO)

- ANSI/ASSE Standard 1051-2021, Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems (new standard)
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- ANSI/ASSE-1001-2021, Performance Requirements for Performance Requirements for Atmospheric Type Vacuum Breakers (revision of ANSI/ASSE 1001-2017)
  PINS Date: May 15, 2020 | Public Review Date: Sep 24, 2021 | Final Action Date: Nov 17, 2021 | Approved

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

- ANSI/IAPMO WEStand-2020, Water Efficiency and Sanitation Standard (new standard)
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- ANSI/CSA B45.5/IAPMO Z124-2016, Plastic plumbing fixtures (revision of ANSI/IAPMO Z124/CSA B45.5-2011)
  PINS Date: Apr 1, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Jan 10, 2017 | Approved

- ANSI/CSA B45.8/IAPMO Z403-2018, Terrazzo, concrete, and natural stone plumbing fixtures (revision of ANSI/CSA B45.8/IAPMO Z403-2013)
  PINS Date: Oct 13, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: May 18, 2018 | Approved

- ANSI/IAPMO 30500/ISO 30500-2019, Nonsewered sanitation systems — Prefabricated integrated treatment units — General performance requirements for design and testing (identical national adoption of ISO 30500)
  PINS Date: Dec 7, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 6, 2019 | Approved

  PINS Date: Aug 5, 2016 | Public Review Date: May 15, 2020 | Final Action Date: Aug 14, 2020 | Approved
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**ICC (International Code Council)**

4051 Flossmoor Road, Country Club Hills, IL 60478 | w: www.iccsafe.org

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ANSI/IEEE 1018-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Ethylene-Propylene Rubber Insulation  (new standard)
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ANSI/IEEE 1019-2013, Recommended Practice for Specifying Electric Submersible Pump Cable--Polypropylene Insulation  (new standard)
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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)
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ANSI/IEEE 1062-2015, Recommended Practice for Software Acquisition  (new standard)
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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)
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ANSI/IEEE 11073-10102-2012, Health informatics - Point-of-care medical device communication - Part 10102: Nomenclature - Annotated ECG  (new standard)
Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved

ANSI/IEEE 11073-10406-2011, Health Informatics - Personal Health Device Communication - Device Specialization - Basic Electrocardiograph (ECG) (1 to 3- lead ECG)  (new standard)
PINS Date: Feb 6, 2009 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 12, 2012 | Approved

ANSI/IEEE 11073-10417-2015, Health informatics - Personal health device communication - Part 10417: Device Specialization - Glucose Meter  (new standard)
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ANSI/IEEE 11073-10419-2015, Health informatics - Personal health device communication - Part 10419: Device Specialization - Insulin Pump  (new standard)
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### Approved American National Standards

**IEEE (Institute of Electrical and Electronics Engineers)**

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  PINS Date: Mar 23, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

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- 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

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- 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

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- 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

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- ANSI/IEEE 1547.6-2011, Recommended Practice for Interconnecting Distributed Resources with Electric Power Systems Distribution (new standard)
PINS Date: Apr 15, 2005 | Public Review Date: Oct 14, 2011 | Final Action Date: Jan 17, 2013 | Approved
ANSI/IEEE 1549-2011, Standard for Microwave Filter Definitions  (new standard)
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ANSI/IEEE 1591.3-2011, Standard for Qualifying Hardware for Helically-Applied Fiber Optic Cable Systems (WRAP Cable)  (new standard)
PINS Date: Jan 21, 2011 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 15, 2013 | Approved

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ANSI/IEEE 1609.4-2016, Standard for Wireless Access in Vehicular Environments (WAVE) -- Multi-Channel Operation (revision of ANSI/IEEE 1609.4-2011)
PINS Date: Jul 24, 2015 | Public Review Date: Aug 26, 2016 | Final Action Date: Aug 21, 2017 | Approved

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ANSI/IEEE 1633-2016, Recommended Practice on Software Reliability  (revision of ANSI/IEEE 1633-2008)
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ANSI/IEEE 1653.1-2016, Standard for Traction Power Transformers for Substation Applications up to 1500 Volts DC Nominal Output  (new standard)
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- ANSI/IEEE 1707-2015, Recommended Practice for the Investigation of Events at Nuclear Facilities (new standard)
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- ANSI/IEEE 1733-2011, Standard for Layer 3 Transport Protocol for Time Sensitive Applications in Local Area Networks (new standard)
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- 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)
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- ANSI/IEEE 1788-2015, Standard for Interval Arithmetic (new standard)
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- ANSI/IEEE 1789-2015, Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers (new standard)
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- ANSI/IEEE 1792-2017, Recommended Practice for Nuclear Power Generating Station Preferred Power Supply Reliability (new standard)
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- ANSI/IEEE 1816-2013, Guide for Preparation Techniques of Extruded Dielectric, Shielded Cables Rated 2.5 kV through 46 kV and the Installation of Mating Accessories (new standard)
  PINS Date: Mar 26, 2010 | Public Review Date: Sep 27, 2013 | Final Action Date: Jun 19, 2015 | Approved

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- ANSI/IEEE 1849-2016, Standard for eXtensible Event Stream (XES) for Achieving Interoperability in Event Logs and Event Streams (new standard)
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- ANSI/IEEE 1857-2013, Standard for Advanced Audio and Video Coding (new standard)
  PINS Date: Jun 15, 2012 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 21, 2015 | Approved

- ANSI/IEEE 1857.5-2015, Draft Standard for Advanced Mobile Speech and Audio (new standard)
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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)
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- ANSI/IEEE 62582-3-2012, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 30, 2014 | Approved

- ANSI/IEEE 62582-5-2015, Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 5: Optical time domain reflectometry (new standard)
  PINS Date: Jul 17, 2009 | Public Review Date: Feb 19, 2016 | Final Action Date: Aug 25, 2016 | Approved

- ANSI/IEEE 62704-2-2017, IEC/IEEE International Standard -- Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz -- Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas (new standard)
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- ANSI/IEEE 7-4.3.2-2016, Standard Criteria for Programmable Digital Devices in Safety Systems of Nuclear Power Generating Stations (revision of ANSI/IEEE 7-4.3.2-2010)
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- ANSI/IEEE 802.15.4-2015, Standard for Low-Rate Wireless Personal Area Networks (WPANs) (revision of ANSI/IEEE 802.15.4-2011)
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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)
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- 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)
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ANSI/IEEE 802.1AC-2016, Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition (new standard)
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PINS Date: Jun 13, 2008 | Public Review Date: Mar 9, 2012 | Final Action Date: Dec 7, 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

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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)
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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)
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- ANSI/IEEE 802.3bf-2011, Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Media access Control (MAC) service interface and management parameters to support time synchronization protocols (supplement to ANSI/IEEE 802.3-2009)
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- ANSI/IEEE 802.3bu-2016, Standard for Ethernet--Amendment 8: Physical Layer and Management Parameters for Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet (new standard)
PINS Date: Jan 17, 2014 | Public Review Date: Jun 2, 2017 | Final Action Date: May 4, 2018 | Approved

- ANSI/IEEE 807-2011, Recommended Practice for Unique Identification in Hydroelectric Facilities (new standard)
PINS Date: Nov 15, 2002 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved

- ANSI/IEEE 810-2015, Standard for Hydraulic Turbine and Generator Shaft Couplings and Shaft Runout Tolerances (new standard)
PINS Date: Aug 17, 2007 | Public Review Date: Apr 8, 2016 | Final Action Date: Mar 16, 2017 | Approved
IEEE (Institute of Electrical and Electronics Engineers)

  PINS Date: Dec 10, 2004 | Public Review Date: Nov 21, 2008 | Final Action Date: Mar 5, 2009 | Approved

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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

  PINS Date: Feb 19, 2010 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 15, 2013 | 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

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- ANSI/IEEE C37.122.3-2011, Guide for Sulphur Hexafluoride (SF6) Gas Handling for High Voltage (over 1000 Vac) Equipment (new standard)
  PINS Date: Jan 5, 2007 | Public Review Date: Mar 9, 2012 | Final Action Date: Jan 14, 2013 | Approved
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- 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

  PINS Date: Aug 12, 2011 | Public Review Date: Sep 27, 2013 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/IEEE C37.74-2014, Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV (new standard)
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  PINS Date: Aug 12, 2011 | Public Review Date: Aug 26, 2016 | Final Action Date: Jun 12, 2017 | Approved

- ANSI/IEEE C57.12.01-2015, Standard for General Requirements for Dry-Type Distribution and Power Transformers (new standard)
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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 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 C57.138-2016, Recommended Practice for Routine Impulse Tests for Distribution Transformers (new standard)
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- ANSI/IEEE C57.139-2015, Guide for Dissolved Gas Analysis in Transformer Load Tap Changers (new standard)
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ANSI/IEEE C57.94-2015, Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers (revision of ANSI/IEEE C57.94-2000 (R2006))
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ANSI/IEEE C62.33-2016, Standard for Test Methods and Performance Values of Metal-Oxide Varistor Surge Protective Components (new standard)
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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)
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IEEE (ASC C2) (Institute of Electrical and Electronics Engineers)

  PINS Date: Jan 15, 2016 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 26, 2016 | Approved

IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

- ANSI C63.12-2015, Standard Recommended Practice for Electromagnetic Compatibility Limits and Test Levels (revision of ANSI C63.12-1999 (R2007))
  PINS Date: May 24, 2013 | Public Review Date: Apr 24, 2015 | Final Action Date: Jun 18, 2015 | Approved

- ANSI C63.15-2017, Draft Standard Recommended Practice for the Immunity Measurement of Electrical and Electronic Equipment (revision of ANSI C63.15-2010)
  PINS Date: Jun 3, 2016 | Public Review Date: May 26, 2017 | Final Action Date: Jul 13, 2017 | Approved

- ANSI C63.16-2016, Guide for Electrostatic Discharge Test Methodologies and Acceptances Criteria for Electronic Equipment (new standard)
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- 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

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- ANSI C63.24-2021, Standard Recommended Practice for In Situ RF Immunity Evaluation of Electronic Devices and Systems (new standard)
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- ANSI C63.25.1-2018, Standard Validation Methods for Radiated Emission Test Sites, 1 GHz to 18 GHz (new standard)
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IEEE (ASC C63) (Institute of Electrical and Electronics Engineers)

- 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)
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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 160.9 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)
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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)
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- ANSI N42.32-2016, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security (revision of ANSI N42.32-2006)
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- 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)
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- ANSI N42.37-2016, Training for the Radiological/Nuclear Detection Mission (revision of ANSI N42.37-2006)
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IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

- ANSI N42.41-2021, Standard Minimum Performance Criteria for Active Interrogation Systems Used for Homeland Security (revision of ANSI N42.41-2007 (R2017))
  PINS Date: Oct 20, 2017 | Public Review Date: May 28, 2021 | Final Action Date: Nov 12, 2021 | Approved

- ANSI N42.42-2020, Standard Data Format for Radiation Detectors Used for Homeland Security (revision of ANSI N42.42-2012)
  PINS Date: Apr 26, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Apr 23, 2020 | Approved

- ANSI N42.43-2016, Performance Criteria for Mobile and Transportable Radiation Monitors Used for Homeland Security (revision of ANSI N42.43-2006)
  PINS Date: Sep 6, 2013 | Public Review Date: Nov 13, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI N42.45-2021, Standard for Evaluating the Image Quality of X-ray Computed Tomography (CT) Security-Screening Systems (new standard)
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- 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 N42.49B-2013, Performance Criteria for Non-alarming Personal Emergency Radiation Detectors (PERDs) for Exposure Control (new standard)
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- ANSI N42.53-2021, Standard Performance Criteria for Backpack-Based Radiation-Detection Systems Used for Homeland Security (revision of ANSI N42.53-2013)
  PINS Date: Aug 23, 2019 | Public Review Date: Jan 29, 2021 | Final Action Date: Apr 21, 2021 | Approved

- ANSI N42.54-2018, Draft Standard for Instrumentation and Systems for Monitoring Airborne Radioactivity (revision and partition of ANSI N42.18-2004, N42.17B, ANSI N42.18, ANSI N42.30, ANSI N323C)
  PINS Date: Aug 27, 2010 | Public Review Date: Oct 20, 2017 | Final Action Date: Jan 10, 2018 | Approved

- ANSI N42.55-2013, Standard for the Performance of Portable Transmission X-Ray Systems for Use in Improvised Explosive Device and Hazardous Device Identification (new standard)
  PINS Date: Apr 15, 2011 | Public Review Date: Sep 20, 2013 | Final Action Date: Dec 16, 2013 | Approved

- ANSI N42.60-2019, Standard Training for Radiological/Nuclear Detection for Initial Response (new standard)
  PINS Date: Oct 13, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Aug 8, 2019 | Approved

IES (Illuminating Engineering Society)

- ANSI-IES LS-1-2021, Lighting Science: Nomenclature and Definitions for Illuminating Engineering (revision of ANSI/IES LS 1-2020)
  Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Dec 19, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 25, 2015 | Approved

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  PINS Date: Feb 15, 2019 | Public Review Date: Sep 27, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LM-20-2020, Approved Method: Photometry of Reflector Type Lamps (new standard)
  
  PINS Date: Feb 15, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

  
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  PINS Date: Nov 1, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

- ANSI/IES LM-40-2020, IES Approved Method: Life Testing of Fluorescent Lamps (new standard)
  
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- 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

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- ANSI/IES LP-1-2020, IES Lighting Practice: Designing Quality Lighting for People and Buildings (new standard)
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- ANSI/IES LP-10-2020, Lighting Practice: Sustainable Lighting - An Introduction to the Environmental Impacts of Lighting (new standard)
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- ANSI/IES LP-11-2020, Lighting Practice: Environmental Considerations for Outdoor Lighting (new standard)
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- ANSI/IES LP-12-2021, Lighting Practice: IoT Connected Lighting (new standard)
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- ANSI/IES LP-13-2021, Lighting Practice: Introduction to Resilient Lighting (new standard)
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- ANSI/IES LP-2-2020, Lighting Practice: Designing Quality Lighting for People in Outdoor Environments (new standard)
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- ANSI/IES LP-3-2020, Lighting Practice: Designing and Specifying Daylighting for Buildings (new standard)
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- ANSI/IES LP-4-2020, Lighting Practice: Electric Light Sources - Properties, Selection and Specification (new standard)
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- ANSI/IES LP-6-2020, Lighting Practice: Lighting Control Systems - Properties, Equipment and Specification (new standard)
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- ANSI/IES LP-7-2020, Lighting Practice: The Lighting Design and Construction Process (new standard)
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- ANSI/IES TM-32-2019, Lighting Practice: Building Information Management (new standard)
  PINS Date: Feb 15, 2019 | Public Review Date: Jul 19, 2019 | Final Action Date: Nov 8, 2019 | Approved

  PINS Date: Nov 24, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Sep 20, 2018 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 27, 2019 | Final Action Date: Nov 19, 2019 | Approved

  PINS Date: Feb 15, 2019 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 17, 2021 | Approved

  PINS Date: Dec 1, 2017 | Public Review Date: Sep 10, 2021 | Final Action Date: Nov 2, 2021 | Approved

  PINS Date: Nov 8, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Apr 23, 2020 | Approved

- ANSI/IES/NALMCO RP-36-2020, Recommended Practice: Lighting Maintenance (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Dec 20, 2019 | Final Action Date: Feb 7, 2020 | Approved

IEST (Institute of Environmental Sciences and Technology)

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

  PINS Date: Jul 13, 2018 | Public Review Date: Aug 24, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Mar 22, 2019 | Public Review Date: Apr 26, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Aug 21, 2015 | Public Review Date: Sep 18, 2015 | Final Action Date: Dec 22, 2015 | Approved

  Public Review Date: Jan 27, 2006 | Final Action Date: Mar 24, 2006 | Approved

  Public Review Date: Dec 20, 2002 | Final Action Date: Jul 29, 2003 | Approved

  Public Review Date: Dec 16, 2005 | Final Action Date: Feb 28, 2006 | Approved
IEST (Institute of Environmental Sciences and Technology)

- 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

- ANSI/IIAR 3-2017, Ammonia Refrigeration Valves (revision of ANSI/IIAR 3-2012)
  Public Review Date: Mar 24, 2017 | Final Action Date: Jun 30, 2017 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Sep 25, 2020 | Final Action Date: Nov 12, 2020 | Approved

  PINS Date: Jun 23, 2017 | Public Review Date: Jul 5, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Feb 29, 2008 | Public Review Date: Feb 15, 2019 | Final Action Date: Apr 16, 2019 | Approved

  PINS Date: Jun 23, 2017 | Public Review Date: Oct 5, 2018 | Final Action Date: Apr 16, 2019 | Approved

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  PINS Date: Oct 2, 2015 | Public Review Date: Sep 20, 2019 | Final Action Date: Mar 3, 2020 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Feb 12, 2021 | Final Action Date: Apr 13, 2021 | Approved
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<td>4043 South Eastern Avenue, Las Vegas, NV  89119</td>
<td>w: <a href="https://www.iicrc.org">https://www.iicrc.org</a></td>
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<td>ANSI/IICRC S520-2015, Standard for Professional Mold Remediation  (new standard)</td>
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<td>ANSI/IICRC S540-2017, Standard for Trauma and Crime Scene Remediation  (new standard)</td>
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<td>2331 Rock Spring Road, Forest Hill, MD  21050</td>
<td>w: <a href="http://www.ikeca.org">www.ikeca.org</a></td>
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<td>w: <a href="http://www.inmm.org">www.inmm.org</a></td>
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<td>ANSI N14.36-2020, Measurement of Radiation Level and Surface Contamination for Packages and Conveyances  (revision of ANSI N14.36-2013)</td>
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<td>Public Review Date: Feb 28, 2020</td>
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<td>ANSI N14.5-2014, Leakage Tests on Packages for Shipment  (new standard)</td>
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<td>Final Action Date: Jun 19, 2014</td>
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<td>ANSI N14.7-2021, Guidance for Packaging Type A Quantities of Radioactive Materials  (revision of ANSI N14.7-2013)  (revision of ANSI N14.7-2013)</td>
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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

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

- ANSI/IREC 14732-2014, General Requirements for the Accreditation of Clean Energy Certificate Programs (new standard)
  PINS Date: Jan 3, 2014 | Public Review Date: Feb 28, 2014 | Final Action Date: Jun 18, 2014 | Approved

IS&T (The Society for Imaging Science & Technology)
7003 Kilworth Lane, Springfield, VA 22151 | w: www.imaging.org

  PINS Date: Aug 8, 2008 | Public Review Date: Jul 25, 2014 | Final Action Date: Jan 28, 2015 | Approved

- ANSI/IS&T IT10.7000-2015, Photography - Digital still cameras - Guidelines for reporting pixel-related specifications (new standard)
  PINS Date: Aug 8, 2008 | Public Review Date: Jul 25, 2014 | Final Action Date: Jan 28, 2015 | Approved

ISA (ASC Z133) (International Society of Arboriculture)
270 Peachtree Street NW, Suite 1900, Atlanta, GA 30303 | w: www.isa-arbor.com

  PINS Date: Jan 18, 2013 | Public Review Date: Nov 18, 2016 | Final Action Date: Oct 5, 2017 | Approved

ISA (Organization) (International Society of Automation)
67 Alexander Drive, Research Triangle Park, NC 27709 | w: www.isa.org

- ANSI/ISA 100.11a-2011, Wireless Systems for Industrial Automation: Process Control and Related Applications (new standard)
  PINS Date: Jul 9, 2010 | Public Review Date: Dec 24, 2010 | Final Action Date: Dec 14, 2011 | Approved
ISA (Organization) (International Society of Automation)

  PINS Date: Dec 17, 2010 | Public Review Date: Mar 13, 2015 | Final Action Date: Jul 9, 2015 | Approved

- ANSI/ISA 107.01-2013, Industry Standard File Format for Revolution-Based Tip Timing Data (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Sep 28, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/ISA 18.2-2016, Management of alarm systems for the process industries (revision of ANSI/ISA 18.2-2009)
  PINS Date: Jul 25, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Mar 17, 2016 | Approved

- ANSI/ISA 50.00.01-1975 (R2017), Compatibility of Analog Signals for Electronic Industrial Process Instruments
  (reaffirmation of ANSI/ISA 50.00.01-1975 (R2012))
  PINS Date: Apr 28, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI/ISA 61511-1-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 1:
  Framework, definitions, system, hardware and software requirements (identical national adoption of IEC 61511-1 Ed. 2.0)
  PINS Date: Apr 15, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved

- ANSI/ISA 61511-2-2018, Functional safety - Safety instrumented systems for the process industry sector - Part 2:
  Guidelines for the application of IEC-61511-1 (identical national adoption of IEC 61511-2 Ed. 2.0)
  PINS Date: Sep 16, 2016 | Public Review Date: Oct 27, 2017 | Final Action Date: Jul 11, 2018 | Approved

- 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)
  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: EDD 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 Builtin 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

  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

  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
ISA (Organization) (International Society of Automation)

- 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
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<td>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))</td>
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<td>ANSI/ISA 75.08.09-2016</td>
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<td>General Requirements for Clamp or Pinch Valves (revision of ANSI/ISA 75.10.01-2008)</td>
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The data in this document is reported as of Tuesday, January 4, 2022

ISA (Organization) (International Society of Automation)

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<td>ANSI/ISA 75.11.01-2013</td>
<td>Inherent Flow Characteristic and Rangeability of Control Valves (revision of ANSI/ISA 75.11.01-1985 (R2002))</td>
<td>Aug 8, 2008</td>
<td>Jan 30, 2013</td>
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<td>ANSI/ISA 77.14.01-2010</td>
<td>Fossil Fuel Power Plant Steam Turbine Controls (new standard)</td>
<td>Dec 31, 1999</td>
<td>Dec 1, 2010</td>
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<td>ANSI/ISA 77.42.01-2019</td>
<td>Fossil Fuel Power Plant Feedwater Control System (revision of ANSI/ISA 77.42.01-1999 (R2011))</td>
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<td>ANSI/ISA 77.43.01-2014</td>
<td>Fossil Fuel Power Plant Unit/Plant Demand Development (revision of ANSI/ISA S77.43.01-1994 (R2008))</td>
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<td>ANSI/ISA 77.44.01-2007 (R2013)</td>
<td>Fossil Fuel Power Plant - Steam Temperature Controls (reaffirmation of ANSI/ISA 77.44.01-2007)</td>
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<td>ANSI/ISA 77.70.02-2014</td>
<td>Fossil Fuel Power Plant Instrument Piping Installation (revision of ANSI/ISA 77.70.02-2005 (R2010))</td>
<td>Mar 14, 2014</td>
<td>Dec 15, 2014</td>
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<td>ANSI/ISA 84.91.01-2021</td>
<td>Identification and Mechanical Integrity of Process Safety Controls, Alarms, and Interlocks in the Process Industry Sector (revision of ANSI/ISA 84.91.01-2012)</td>
<td>Mar 18, 2016</td>
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<td>ANSI/ISA 95.00.01 (IEC 62264-1 Modified)2010,</td>
<td>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)</td>
<td>Mar 14, 2008</td>
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# ANSI Standards

- **ANSI/ISA 95.00.02-2018, Enterprise-Control System Integration - Part 2: Objects and Attributes for enterprise-control (national adoption of IEC 62264-2 with modifications and revision of ANSI/ISA 95.00.02 (IEC 62264-2 Modified)-2010)**
  - PINS Date: Apr 24, 2015 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

- **ANSI/ISA 95.00.03 (IEC 62264-3 Modified)-2013, Enterprise-Control System Integration - Part 3: Activity Models of Manufacturing Operations Management (national adoption with modifications of IEC 62264-3)**
  - PINS Date: Mar 14, 2008 | Public Review Date: Feb 8, 2013 | Final Action Date: Jul 8, 2013 | Approved

- **ANSI/ISA 95.00.04-2018, Enterprise-Control System Integration - Part 4: Object model attributes for manufacturing operations management integration (revision of ANSI/ISA 95.00.04-2012)**
  - PINS Date: Feb 19, 2016 | Public Review Date: Feb 23, 2018 | Final Action Date: May 24, 2018 | Approved

- **ANSI/ISA 95.00.05-2018, Enterprise-Control System Integration - Part 5: Business-to-manufacturing transactions (revision of ANSI/ISA 95.00.05-2013)**
  - PINS Date: Mar 30, 2018 | Public Review Date: Sep 14, 2018 | Final Action Date: Dec 3, 2018 | Approved

- **ANSI/ISA 95.00.06-2014, Enterprise-Control System Integration - Part 6: Messaging Service Model (new standard)**
  - PINS Date: Sep 6, 2013 | Public Review Date: Apr 4, 2014 | Final Action Date: Oct 10, 2014 | Approved

- **ANSI/ISA 95.00.07-2018, Enterprise-Control System Integration - Part 7: Alias Service Model (new standard)**
  - PINS Date: May 16, 2014 | Public Review Date: Jun 16, 2017 | Final Action Date: Sep 28, 2017 | Approved

- **ANSI/ISA 95.00.08-2020, Enterprise-Control System Integration - Part 8: Information Exchange Profiles (new standard)**
  - PINS Date: Sep 16, 2016 | Public Review Date: Dec 27, 2019 | Final Action Date: May 8, 2020 | Approved

- **ANSI/ISA 96.01.01-2019, Valve Actuator Terminology (new standard)**
  - PINS Date: May 19, 2006 | Public Review Date: Jul 19, 2019 | Final Action Date: Feb 22, 2021 | Approved

- **ANSI/ISA 96.02.01-2016, Guidelines for the Specification of Electric Valve Actuators (revision of ANSI/ISA 96.02.01-2008)**
  - PINS Date: Aug 3, 2012 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 17, 2016 | Approved

- **ANSI/ISA 96.03.01-2019, Guidelines for the Specification of Heavy Duty Pneumatically Powered Quarter Turn Scotch Yoke Valve Actuators (revision of ANSI/ISA 96.03.01-2012)**
  - PINS Date: Apr 21, 2017 | Public Review Date: Jul 13, 2018 | Final Action Date: Feb 3, 2020 | Approved

- **ANSI/ISA 96.03.02-2015, Guidelines for the Specification of Pneumatic Rack and Pinion Actuators (new standard)**
  - PINS Date: May 18, 2012 | Public Review Date: May 15, 2015 | Final Action Date: Jul 28, 2015 | Approved

- **ANSI/ISA 96.03.03-2013, Guidelines for the Specification of Pneumatic Vane Type Valve Actuators (new standard)**
  - PINS Date: May 18, 2012 | Public Review Date: Dec 28, 2012 | Final Action Date: Mar 7, 2013 | Approved

- **ANSI/ISA 96.03.04-2019, Guidelines for the Specification of Linear Piston Pneumatic Actuators (new standard)**
  - PINS Date: Nov 18, 2016 | Public Review Date: Jul 19, 2019 | Final Action Date: Apr 27, 2020 | Approved

- **ANSI/ISA 96.06.01-2014, Guidelines for the Specification of Self Contained Electro-Hydraulic Valve Actuators (new standard)**
  - PINS Date: May 18, 2012 | Public Review Date: May 2, 2014 | Final Action Date: Sep 10, 2014 | Approved

- **ANSI/ISA 96.08.01-2017, Guidelines for the Specification of Linear and Rotary Gas Over Oil Valve Actuators (new standard)**
  - PINS Date: May 13, 2016 | Public Review Date: Nov 11, 2016 | Final Action Date: Feb 23, 2017 | Approved
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ISANTA (International Staple, Nail and Tool Association)
8735 W. Higgins Road, Suite 300; c/o Association Management Center, Chicago, IL 60631

- ANSI SNT-101-2015, Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Tools (new standard)
  PINS Date: Jul 10, 2009 | Public Review Date: Aug 31, 2012 | Final Action Date: Apr 7, 2015 | Approved

ISDI (ASC MH2) (Industrial Steel Drum Institute)
P.O. Box 8570, Alexandria, VA 22306-8570 | w: www.whysteeldrums.org

- ANSIASC MH2-2018, Standard for Materials Handling (Containers) - Steel Drums and Pails (new standard)
  PINS Date: Mar 31, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: Jan 15, 2019 | Approved

ISEA (International Safety Equipment Association)
1901 North Moore Street, Suite #808, Arlington, VA 22209-1762 | w: www.safetyequipment.org

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

- ANSI/ISEA 105-2016, Hand Protection Classification (revision of ANSI/ISEA 105-2011)
  PINS Date: Jun 19, 2015 | Public Review Date: Oct 9, 2015 | Final Action Date: Jan 12, 2016 | Approved

  PINS Date: 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 Assessment of Safety and Personal Protective Equipment (revision of ANSI/ISEA 125-2014)
  PINS Date: May 25, 2018 | Public Review Date: Jan 22, 2021 | Final Action Date: Jun 17, 2021 | Approved

- ANSI/ISEA 138-2019, Performance and Classification for Impact-Resistant Gloves (new standard)
  PINS Date: Oct 13, 2017 | Public Review Date: Nov 2, 2018 | Final Action Date: Feb 19, 2019 | Approved

- ANSI/ISEA 201-2019, Insulation and Wash Durability Classification of Apparel Used in Cold Work Environments (revision of ANSI/ISEA 201-2012)
  PINS Date: Jan 30, 2015 | Public Review Date: Jun 7, 2019 | Final Action Date: Aug 19, 2019 | Approved

  PINS Date: Nov 2, 2007 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 24, 2018 | Approved

- ANSI/ISEA Z308.1-2015, Minimum Requirements for Workplace First Aid Kits and Supplies (revision of ANSI/ISEA Z308.1-2014)
  PINS Date: Mar 20, 2015 | Public Review Date: May 8, 2015 | Final Action Date: Jun 17, 2015 | 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
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<td>INCITS 100a-1991 [S2020], Information Systems - Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Operation with Packet-Switched Data Communications Networks (PSDN), or between Two DTEs, by Dedicated Circuit Addendum (stabilized maintenance of INCITS 100a-1991 (R2005))</td>
<td>Public Review Date: Feb 12, 2010</td>
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<td>INCITS 103-1983 [S2021], Unrecorded Magnetic Tape Minicassette For Information Interchange, Coplanar 3.81 mm (0.150 Inch) (stabilized maintenance of INCITS 103-1983 (R2006))</td>
<td>Public Review Date: Aug 26, 2011</td>
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<td>INCITS 113a-1989 [S2018], Information Systems - Programming Languages - Modules and Individual Character Input for Full BASIC (stabilized maintenance of INCITS 113a-1989 (R2003))</td>
<td>Public Review Date: Feb 22, 2008</td>
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<td>Recorded Magnetic Tape Cartridge for Information Interchange 4-Track, Serial 0.250 in (6.30 mm) 6400 BPI (252 BPMM) Inverted Modified Frequency Modulation Encoded (stabilized maintenance of INCITS 116-1986 (R2002))</td>
<td>Approved</td>
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<td>INCITS 119-1984 [S2017]</td>
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<td>Approved</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>
<td>Approved</td>
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<td>INCITS 126-1986 [S2017]</td>
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<td>INCITS 127-1987 [S2017]</td>
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<td>Approved</td>
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  Public Review Date: Feb 1, 2013 | Final Action Date: May 6, 2013 | Approved

- INCITS 136-1986 [S2017], Serial Recorded Magnetic Tape Cartridge for Information Interchange, Four and Nine Track, 0.250 Inch (6.30 mm), 8000 bpi (315 bpcm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 136-1986 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 137-1988 [S2018], Information Systems - One- and Two-sided, Unformatted, 90-mm (3.5-in), 5.3-tpmm (135-tpi) Flexible Disk Cartridge for 7958 BPR Use - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 137-1988 (R2004))
  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 19, 2008 | Approved

  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 139-1987 [S2017], Information Systems - Fiber Distributed Data Interface (FDDI) - Token Ring Media Access Control (MAC) (stabilized maintenance of INCITS 139-1987 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

- INCITS 149-1986 [R2017], Financial Transaction Card Formsets - Location of Imprinted Information (reaffirmation of INCITS 149:1986 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- INCITS 151-1987 [S2017], Bond Papers and Index Bristers - Common Sheet Sizes (stabilized maintenance of INCITS 151-1987 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

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

  Public Review Date: Mar 13, 2009 | Final Action Date: May 21, 2009 | Approved

- INCITS 157-1987 [S2018], Recorded Magnetic Tape for Information Interchange 0.5 in (12.7 mm), Tape, Nine Track, 3200 CPI (126 CPMM), Phase Encoded (stabilized maintenance of INCITS 157-1987 (R2003))
  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved
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- INCITS 158-1987 [S2018], Serial Recorded Magnetic Tape Cassette for Information Interchange - 0.150 in (3.82 mm), 8000 bpi (315 bpm) Group Code Recording Streaming Mode, Four Tracks (stabilized maintenance of INCITS 158-1987 (R2003))
  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 162-1988 [S2019], Information Systems - Two-Sided, High-Density, Unformatted, 5.25-inch (130-mm), 96-tpi (3.8 tpm), Flexible Disk Cartridge for 13 262 ftpm Use - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 162-1988 (R2004))
  Public Review Date: Oct 17, 2008 | Final Action Date: Apr 3, 2009 | Approved

  Public Review Date: Aug 12, 2016 | Final Action Date: Dec 29, 2017 | Approved

- INCITS 163-1988 [S2017], Information Systems - Contact Start/Stop Metallic Film Storage Disk - 83,333 Flux Transitions Per Track, 130-mm (5.118-in) Outer Diameter and 40-mm (1.575-in) Inner Diameter (stabilized maintenance of INCITS 163-1988 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

- INCITS 164-1990 [S2021], Unrecorded Magnetic Tape Cassette for Information Interchange 3.81 mm (0.150 In), 252 to 394 fppm (6400 to 10000 fpi) (stabilized maintenance of INCITS 164-1990 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved

- INCITS 166-1989 [S2020], Fiber Distributed Data Interface (FDDI) Physical Layer, Medium Dependent (PMD) (stabilized maintenance of INCITS 166-1989 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

- INCITS 17-1981 [S2017], Character Set for Optical Character Recognition (OCR-A) (stabilized maintenance of INCITS 17-1981 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 171-1989 [S2020], One and Two-Sided, High Density, Unformatted, 90-mm (3.5 in), 5,3 tpm (135-tpi), Flexible Disk Cartridge for 15 916 bpr Use - General, Physical and Magnetic Requirements (stabilized maintenance of INCITS 171-1989 (R2005))
  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 175:1999 [S2013], 19-mm Type ID-1 Recorded Instrumentation - Digital Cassette Tape Form (stabilized maintenance of INCITS 175-1999 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved

  Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved
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<td>Information Systems - Unrecorded Magnetic Tape and Cartridge for Information Interchange 1/2 in (12.65 mm), Serial Serpentine, 22-Track, 6667 ftpi (262 ftpmm) and 48-Track, 10,000 ftpi (394 ftpm) (stabilized maintenance of INCITS 197-1991 (R2002))</td>
<td>Apr 6, 2007</td>
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| INCITS 203-1992 [S2017], Information Systems - Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.81 mm (0.150 in) Digital Data Storage (DDS) Recorded Format)  (stabilized maintenance of INCITS 203-1992 (R2002))  
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved |
| INCITS 204-1992 [S2017], Information Systems - Recorded Magnetic Tape for Information Interchange, 15 and 18 Track, 0.250-inch (6.35-mm) 10 000-bpi (394-bpmm) Streaming Mode, Group Code Recording  (stabilized maintenance of INCITS 204-1992 (R2002))  
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved |
| INCITS 205-1992 [S2017], Helical-Scan Digital Computer Tape Cartridge, 3.81 mm (0.150 in), DATA/DAT Recorded Format for Information Interchange  (stabilized maintenance of INCITS 205-1992 (R2002))  
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved |
| INCITS 207-1991 [S2012], Office Machines and Supplies - Alphanumeric Machines - Alternate Keyboard Arrangement  (stabilized maintenance of INCITS 207-1991 (R2007))  
Public Review Date: Aug 3, 2012 | Final Action Date: Oct 5, 2012 | Approved |
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 23, 2007 | Approved |
| INCITS 21-1967 [S2017], Rectangular Holes in Twelve-Row Punched Cards  (stabilized maintenance of INCITS 21-1967 (R2002))  
Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved |
| INCITS 210-2008 [S2013], Information technology - High-Performance Parallel Interface - Framing Protocol (HIPPI-FP)  (stabilized maintenance of INCITS 210-2008)  
Public Review Date: Mar 22, 2013 | Final Action Date: Jun 26, 2013 | Approved |
| INCITS 212-1992 [S2012], Information Systems - 130-mm Rewritable Optical Disk Cartridge for Information Interchange  (stabilized maintenance of INCITS 212-1992 (R2007))  
Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved |
Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved |
Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved |
Public Review Date: Aug 12, 2016 | Final Action Date: Mar 16, 2018 | Approved |
Public Review Date: Aug 28, 2015 | Final Action Date: Dec 22, 2015 | Approved |
| INCITS 22-1983 [S2021], Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI)  (stabilized maintenance of INCITS 22-1983 (R2006))  
Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |
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- INCITS 220-1992 [S2012], Information Systems - Digital Information Interchange 130-mm Optical Disk Cartridges of the Write-Once, Read Multiple (WORM) Type, Using the Magnetic-Optical Effect (stabilized maintenance of INCITS 220-1992 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

- INCITS 222-1997 [S2012], Information technology - High-Performance Parallel Interface - Switch Control (HIPPI-SC) (stabilized maintenance of INCITS 222-1997 (R2007))
  Public Review Date: Jun 1, 2012 | Final Action Date: Aug 14, 2012 | Approved

- INCITS 223-1995 [S2021], Data Compression Algorithm - Adaptive Coding with Embedded Dictionary (DCLZ Algorithm) for Information Interchange (stabilized maintenance of INCITS 223-1995 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

- INCITS 224-1994 [S2018], Extended Tape Format for Information Interchange, (18-Track, Parallel, 12.65 mm (0.50 in), 1491 cpm (37 871 cpi), Group-Coded Recording) (stabilized maintenance of INCITS 224-1994 (R2004))
  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

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  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

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

- INCITS 228-1993 [S2018], Information Systems - X.25 Data Transfer Phase (DTP) Procedures for Operation with Frame Relay (stabilized maintenance of INCITS 228-1993 (R2003))
  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 229-1994 [S2018], Fiber Distributed Data Interface (FDDI) Station Management (SMT) (stabilized maintenance of INCITS 229-1994 (R2004))
  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved

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- INCITS 234-1993 [S2018], Information Systems - Test Methods for Media Characteristics - 130-mm Rewritable Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 234-1993 (R2003))
  Public Review Date: Feb 8, 2008 | Final Action Date: Jun 30, 2008 | Approved

- INCITS 235-1995 [S2020], Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.25 (6.30 mm), 10000 -12500 ftpi, (394 - 492 rpm) Coercivity 550 oersteds (44000 amperes/meter) (Types 6150, 6250, 6037) (stabilized maintenance of INCITS 235-1995 (R2005))
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  | Public Review Date: Oct 17, 2008 | Final Action Date: Dec 19, 2008 | Approved |

  
  | Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved |

- **INCITS 242-1994 [S2018]**, Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm) Serial Serpentine, 48-Track, 42 500 bpi (1 673 bpcm), DLT1 Format (stabilized maintenance of INCITS 242-1994 (R2004))
  
  | Public Review Date: Oct 17, 2008 | Final Action Date: Dec 17, 2008 | Approved |

- **INCITS 243-1996 [S2021]**, Serial Magnetic Tape Cartridge for Information Interchange, 26 Tracks, 0.250 in (6.35 mm), 16 000 bpi (630 bpcm), Streaming Mode, Group Code Recording (stabilized maintenance of INCITS 243-1996 (R2006))
  
  | Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |

- **INCITS 244-1995 [S2020]**, Information Technology - Test Methods for Media Characteristics - 90 mm Read Only and Rewritable M.O. Optical Disk Data Storage Cartridges with Continuous Composite Servo (CCS) (stabilized maintenance of INCITS 244-1995 (R2005))
  
  | Public Review Date: Oct 16, 2009 | Final Action Date: Jan 4, 2010 | Approved |

  
  | Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |

  
  | Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved |

  
  | Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |

- **INCITS 249-1995 [S2020]**, Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 10 000 - 14 700 fpi (394 579 ftpm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 2000, 2060, 2080, 2120) (stabilized maintenance of INCITS 249-1995 (R2005))
  
  | Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved |

- **INCITS 250-1996 [S2021]**, Recorded Magnetic Tape Mini-Cartridge for Information Interchange, 0.250 in (630 mm) 12 and 24 Track,10000 bpi (394 bpcm) GCR (stabilized maintenance of INCITS 250-1996 (R2006))
  
  | Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved |

- **INCITS 251-1995 [S2020]**, Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.25 in (6.35 mm), 20 000 fpi (787 ftpm), Coercivity 550 oersteds (44 000 amperes/meter), (Types 6320, 6525, 6080, 6081) (stabilized maintenance of INCITS 251-1995 (R2005))
  
<p>| Public Review Date: Feb 12, 2010 | Final Action Date: Jul 7, 2010 | Approved |</p>
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<td>Sep 5, 2012</td>
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<td>Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
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<td>Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
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<td>Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
<td>Approved</td>
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<td>INCITS 266-1996</td>
<td>Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm), Serial Serpentine, 112-Track, 42 500 bpi (1673 bppm) (DLT2 Format)</td>
<td>(stabilized maintenance of INCITS 266-1996 (R2006))</td>
<td>Aug 26, 2011</td>
<td>Final Action Date: Dec 28, 2011</td>
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<td>INCITS 267-1996</td>
<td>Helical-Scan Digital Computer Tape Cartridge, 12.65 mm (0.498 in) for Information Interchange</td>
<td>(stabilized maintenance of INCITS 267-1996 (R2006))</td>
<td>Aug 26, 2011</td>
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- INCITS 273-1997 [S2012], Information Technology - CASE Tool Integration Messages (stabilized maintenance of INCITS 273-1997 (R2007))
  Public Review Date: Jul 6, 2012 | Final Action Date: Sep 5, 2012 | Approved

- INCITS 274-1996 [S2018], Information Technology - Programming Language REXX (stabilized maintenance of INCITS 274-1996 (R2007))
  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

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- INCITS 278-1997 [S2012], 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

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- 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 bpm) DLT3 Format (stabilized maintenance of INCITS 282-1996 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

- 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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- 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
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- INCITS 300-1997 [S2012], Information technology - High-Performance Parallel Interface - Serial Specification (HIPPI-Serial) (stabilized maintenance of INCITS 300-1997 (R2007))
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- INCITS 303-1998 [S2013], Fibre Channel Physical and Signaling Interface-3 (FC-PH-3) (stabilized maintenance of INCITS 303-1998 (R2008))
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- INCITS 305-1998 [R2018], Information technology - SCSI Enclosure Services (SES) (reaffirmation of INCITS 305-1998 [R2013])
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- INCITS 305:1998 [R2013], Information technology - SCSI Enclosure Services (SES) (reaffirmation of INCITS 305-1998 [R2008])
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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 bppm (86 360 bpi) Run Length Limited Recording (stabilized maintenance of INCITS 311-1998 (R2008))
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- INCITS 312:1998 [S2013], Magnetic Tape Cartridge 0.50 in (12.65 mm), Serial Serpentine, 112-Track, 81 600 bpi (3213 bppm), DLT4 Format (stabilized maintenance of INCITS 312-1998 (R2008))
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- INCITS 315:1998 [S2013], Unrecorded magnetic tape cartridge for information interchange, 12.65 mm (0.498 in), 128-track, parallel serpentine, 2550 fpm (64 770 fpi) (stabilized maintenance of INCITS 315-1998 (R2008))
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- INCITS 319-1998 [S2012], Information Technology - Programming Languages - Smalltalk (stabilized maintenance of INCITS 319-1998 (R2007))
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- INCITS 320:1998 [R2013], Information technology - Spatial Data Transfer (reaffirmation of INCITS 320-1998 (R2008))
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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])
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- INCITS 329-2000 [S2015], Magnetic Tape Cartridge for Information Interchange, 0.50 in (12.65 mm), Serial Serpentine, 208-Track, 85 940 bpi (3383 bppm), DLT5 Format (stabilized maintenance of INCITS 329:2000 [R2010])
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- INCITS 330-2000 [S2015], Information technology - Reduced Block Commands (RBC) (stabilized maintenance of INCITS 330:2000 [R2010])
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- INCITS 332-1999 [S2014], Information technology - Fibre Channel Arbitrated Loop (FC-AL-2) (stabilized maintenance of INCITS 332:1999 (R2009))
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- INCITS 334-2000 [S2015], Information Technology - Magnetic Tape Cartridge for Information Interchange - 0.50 in (12.65 mm), Serial Serpentine 128-Track, 62 500 BPI (2 460 BPMM) DLT 3-XT Format (stabilized maintenance of INCITS 334:2000 [R2010])
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- INCITS 335-2000 [R2020], Information technology - Small Computer System Interface (SCSI-3) Stream Commands (SSC) (reaffirmation of INCITS 335-2000 [R2015])
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- INCITS 34-1972 [S2020], Interchange Rolls of Perforated Tape for Information Interchange (stabilized maintenance of INCITS 34-1972 [R2005])
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- INCITS 341:2000 [S2015], Information technology - 25.4 mm (1 in) Type DCRsi Recorded Instrumentation - Digital Cartridge Tape Format (stabilized maintenance of INCITS 341:2000 [R2010])
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- INCITS 344-2001 [S2021], Information Technology - 12.65 mm wide Magnetic Tape Format for Information Interchange - Helical Scan Recording - Recorded Instrumentation Format (stabilized maintenance of INCITS 344-2001 [R2006])
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- INCITS 345-2001 [S2021], Magnetic Tape Cartridge for Information Interchange, 0.5. in (12.65 mm) Serial Serpentine, 208-Track, 98 250 BPI (3868 BPMM), DLT 6 Format (stabilized maintenance of INCITS 345-2001 [R2006])
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- INCITS 357-2002 [S2012], Information technology - Fibre Channel Virtual Interface Architecture Mapping Protocol (FC-VI) (stabilized maintenance of INCITS 357-2002 [R2007])
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| INCITS 385-2004 [S2019], Information technology - Face Recognition Format for Data Interchange  (stabilized maintenance of INCITS 385-2004 [R2014])  
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| INCITS 39-1986 [S2017], Recorded Magnetic Tape for Information Interchange (1600 CPI, PE)  (stabilized maintenance of INCITS 39-1986 [R2002])  
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- INCITS 413-2007 [S2017], Information technology - RapidIO(TM) Interconnect Specification (version 1.3) (stabilized maintenance of INCITS 413:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

- INCITS 414-2006 [S2016], Information technology - Fibre Channel Backbone - Generation 3 (FC-BB-3) (stabilized maintenance of INCITS 414:2006 [R2011])
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- INCITS 418-2006 [S2021], Information Technology - Switch Fabric - Generation 4 (FC-SW-4) (stabilized maintenance of INCITS 418-2006 [R2016])
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- INCITS 419-2008 [S2018], Information technology - Fibre Channel Backbone (FC-BB-4) (stabilized maintenance of INCITS 419:2008 [R2013])
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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])
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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 [R2017], Information technology - SCSI/ATA Translation (SAT) (reaffirmation of INCITS 431:2007 [R2012])
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- INCITS 437-2008 (S2018), Information technology - Fibre Channel - SATA Tunneling Protocol (FC-SATA) (stabilized maintenance of INCITS 437:2008 [R2013])
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- INCITS 440-2015, Information technology - Card Durability / Service Life (revision of INCITS 440:2008 [R2013])
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- INCITS 442:2010 [R2020], Information Technology – Biometric Identity Assurance Services (BIAS) (reaffirmation of INCITS 442:2010 [R2015])
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- INCITS 443-2008 [S2018], Information technology - Fibre Channel Storage Network PING (SNPing) (stabilized maintenance of INCITS 443:2008 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 7, 2018 | Approved

- INCITS 446-2008 [R2018], Information Technology - Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone (reaffirmation of INCITS 446:2008 [R2013])
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- INCITS 45-1982 [S2017], Information Systems - Character Set for Handprinting (stabilized maintenance of INCITS 45-1982 [R2002])
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- INCITS 450-2009 [S2019], Information technology - Fibre Channel - Physical Interface - 4 (FC-PI-4) (stabilized maintenance of INCITS 450-2009 [R2014])
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- INCITS 452-2009 [R2019], Information technology - AT Attachment-8 ATA/ATAPI Command Set (ATA8-ACS) (reaffirmation of INCITS 452-2009 [R2014])
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- INCITS 455-2009 [R2019], Information Technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas (reaffirmation of INCITS 455-2009 [R2014])
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- INCITS 457-2010 [R2020], Information technology - Serial Attached SCSI - 2 (SAS-2) (reaffirmation of INCITS 457-2010 [R2015])
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- INCITS 458-2011 [R2021], Information technology - SCSI Object-Based Storage Device Commands-2 (OSD-2) (reaffirmation of INCITS 458-2011 [R2016])
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- INCITS 459-2011 [R2021], Information Technology - Requirements for the Implementation and Interoperability of Role Based Access Control (reaffirmation of INCITS 459-2011 [R2016])
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<td>INCITS 48-1986 [S2017], Magnetic Tape Cassette for Information Interchange, 3.81 mm (0.150 in) Tape at 32 bpm (800 bpi), PE (includes ANSI X3.48/TC-1-1995) (stabilized maintenance of INCITS 48-1986 (R2002))</td>
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<td>Public Review Date: Apr 6, 2007</td>
<td>Final Action Date: Jul 12, 2007</td>
<td>Approved</td>
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<td>INCITS 48-1986/TC 1:1995 [S2016], Information Systems - Magnetic Tape Cassette for Information Interchange (3.81 mm, 0.15 inch) Tape at 32 bpm (800 BPI), Phase Enclosed - Technical Corrigendum 1 (stabilized maintenance of INCITS 48:1986/TC:1:1995 [R2006])</td>
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<td>Public Review Date: Aug 12, 2016</td>
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<td>Approved</td>
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<td>INCITS 480-2011 [S2021], Information technology - BIOS Enhanced Disk Drive Services - 4 (EDD-4) (stabilized maintenance of INCITS 480-2011 [R2016])</td>
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<td>Public Review Date: Apr 9, 2021</td>
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<td>PINS Date: Aug 15, 2014</td>
<td>Public Review Date: Jun 26, 2020</td>
<td>Final Action Date: Oct 8, 2020</td>
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INCIITS 480-2011/AM1-2015, Information technology - BIOS Enhanced Disk Drive Specification - 4 (EDD-4) - Amendment 1 (supplement to ANSI INCITS 480-2011)
Public Review Date: Mar 13, 2015 | Final Action Date: Oct 2, 2015 | Approved

INCIITS 481-2011 [R2021], Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) (reaffirmation of INCITS 481-2011 [R2016])
Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

INCIITS 481-2011/AM1-2018, Information technology - Fibre Channel Protocol for SCSI - 4 (FCP-4) - Amendment 1 (addenda to INCITS 481-2011 [R2016])
PINS Date: May 13, 2016 | Public Review Date: Apr 28, 2017 | Final Action Date: Mar 20, 2018 | Approved

INCIITS 482-2012 [R2017], Information technology - ATA/ATAPI Command Set - 2 (ACS-2) (reaffirmation of INCITS 482-2012)
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 14, 2017 | Approved

INCIITS 483-2012 [R2017], Information Technology - Virtualization Management Specification (reaffirmation of INCITS 483-2012)
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | Approved

INCIITS 484-2012 [R2017], Information Technology – SCSI Media Changer Commands - 3 (reaffirmation of INCITS 484-2012)
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 19, 2017 | Approved

Public Review Date: Aug 2, 2019 | Final Action Date: Dec 9, 2019 | Approved

INCIITS 487-2018, Information technology - Fibre Channel - Link Services - 3 (FC-LS-3) (new standard)
PINS Date: May 27, 2011 | Public Review Date: Mar 3, 2017 | Final Action Date: Jul 10, 2018 | Approved

INCIITS 488-2016 [R2021], Information Technology - Fibre Channel - Framing And Signaling - 4 (FC-FS-4) (reaffirmation of INCITS 488-2016)
Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

INCIITS 489-2014 [R2019], Information technology - SCSI over PCIe (RTM) architecture (SOP) (reaffirmation of INCITS 489-2014)
Public Review Date: Aug 2, 2019 | Final Action Date: Dec 9, 2019 | Approved

INCIITS 491-2017, Information technology - SCSI/ATA Translation - 4 (SAT-4) (new standard)
PINS Date: Oct 14, 2011 | Public Review Date: Dec 2, 2016 | Final Action Date: Jul 28, 2017 | Approved

Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

INCIITS 493-2012 [R2017], Information Technology - AT Attachment-8 - Serial Transport (ATA8-AST) (reaffirmation of INCITS 493-2012)
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 14, 2017 | Approved

INCIITS 494-2012 [R2017], Information technology - Role Based Access Control - Policy Enhanced (reaffirmation of INCITS 494-2012)
Public Review Date: Jun 9, 2017 | Final Action Date: Dec 4, 2017 | Approved
**ITI (INCITS) (InterNational Committee for Information Technology Standards)**

- **INCITS 495-2012 [R2017]**, Information Technology Platform Management Volumes 1 and 2 (reaffirmation of INCITS 495-2012)
  - Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | **Approved**

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

  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 15, 2020 | **Approved**

- **INCITS 497-2012 [R2017]**, Information Technology – Automation/Drive Interface Commands - 3 (ADC - 3) (reaffirmation of INCITS 497-2012)
  - Public Review Date: Jun 9, 2017 | Final Action Date: Dec 29, 2017 | **Approved**

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

  - PINS Date: Apr 11, 2014 | Public Review Date: Dec 30, 2016 | Final Action Date: Jan 3, 2018 | **Approved**

- **INCITS 501-2016 [R2021]**, Information technology - Security Features for SCSI Commands (SFSC) (reaffirmation of INCITS 501-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | **Approved**

- **INCITS 502-2019**, Information technology - SCSI Primary Commands - 5 (SPC-5) (new standard)
  - PINS Date: Apr 13, 2012 | Public Review Date: Jul 5, 2019 | Final Action Date: Dec 31, 2019 | **Approved**

- **INCITS 504-1-2013/AM1-2016 [R2021]**, Information technology - Generic Identity Command Set Part 1: Card Application Command Set - Amendment 1 (reaffirmation of INCITS 504-1-2013/AM1-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | **Approved**

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

- **INCITS 504-2-2013 [R2018]**, Information technology - Generic Identity Command Set (GICS) - Part 2: Card Administrative Command Set (reaffirmation of INCITS 504:2:2013)
  - Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | **Approved**

- **INCITS 504-2-2013/AM 1-2016 [R2021]**, Information Technology - Generic Identity Command Set - Part 2: Card Administrative Command Set - Amendment 1 (reaffirmation of INCITS 504-2-2013/AM 1-2016)
  - PINS Date: Mar 28, 2014 | Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | **Approved**

  - PINS Date: Mar 28, 2014 | Public Review Date: Nov 20, 2015 | Final Action Date: Apr 25, 2016 | **Approved**

- **INCITS 504-3-2016 [R2021]**, Information Technology -Generic Identity Command Set Part 3: GICS Platform Testing Requirements (reaffirmation of INCITS 504-3-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | **Approved**
## ITI (INCITS) (InterNational Committee for Information Technology Standards)

- **INCITS 504-4-2013 [R2018]**, Information technology - Generic Identity Command Set (GICS) - Part 4: Card Application Profile Template (reaffirmation of INCITS 504-4-2013)
  - Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

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

- **INCITS 506-2021**, Information technology - SBC-4 (SCSI Block Commands - 4) (new standard)
  - PINS Date: Oct 26, 2012 | Public Review Date: Nov 13, 2020 | Final Action Date: Jul 6, 2021 | Approved

- **INCITS 507-2016 [R2021]**, Information technology - PCIe® architecture Queuing Interface - 2 (PQI-2) (reaffirmation of INCITS 507-2016)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

  - Public Review Date: Aug 2, 2019 | Final Action Date: Nov 4, 2019 | Approved

- **INCITS 509-2014 [R2019]**, Information Technology - Fibre Channel - Backbone - 6 (FC-BB-6) (reaffirmation of INCITS 509-2014)
  - Public Review Date: Aug 2, 2019 | Final Action Date: Dec 9, 2019 | Approved

- **INCITS 510-2017**, Information technology - Fibre Channel – Generic Services – 7 (FC-GS-7) (new standard)
  - PINS Date: Jan 29, 2010 | Public Review Date: Oct 7, 2016 | Final Action Date: Sep 28, 2017 | 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

  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

- **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

  - Public Review Date: Jun 26, 2020 | Final Action Date: Oct 8, 2020 | Approved

- **INCITS 518-2017**, Information technology - SCSI Enclosure Services - 3 (SES-3) (new standard)
  - PINS Date: Mar 6, 2009 | Public Review Date: Dec 2, 2016 | Final Action Date: Jul 28, 2017 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- 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 - ATA/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 - ATA/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 - ATA/ATAPI Parallel Transport (ATA8-APT) (reaffirmation of INCITS 524-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 9, 2021 | Approved

  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)
  PINS Date: Nov 15, 2013 | Public Review Date: Jul 6, 2018 | Final Action Date: Feb 8, 2019 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- 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

  PINS Date: Mar 21, 2014 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 26, 2018 | Approved

- INCITS 539-2016 [R2021], Information Technology - Management Of Security Credentials (reaffirmation of INCITS 539-2016)
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 27, 2021 | Approved

- INCITS 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 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 55-1992 [S2017], Information Systems - Unrecorded Magnetic Tape Cartridge for Information Interchange - 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 55-1992 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved
ITT (INCITS) (InterNational Committee for Information Technology Standards)

  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

- INCITS 558-201x, Information technology - ATA Command Set - 5 (ACS-5) (new standard)
  PINS Date: Nov 10, 2017 | Public Review Date: Apr 2, 2021 | Final Action Date: Oct 12, 2021 | Approved

- INCITS 559-2020, Information technology - Fibre Channel - Physical Interfaces - 7P (FC-PI-7P) (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Jul 10, 2020 | Final Action Date: Dec 28, 2020 | Approved

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

- INCITS 565:2020, Information technology - Next Generation Access Control (new standard)
  PINS Date: Nov 30, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Apr 10, 2020 | Approved

- INCITS 572-2021, Information technology - UAS-3 USB Attached SCSI – 3 (UAS-3) (new standard)
  PINS Date: Dec 27, 2019 | Public Review Date: Jan 1, 2021 | Final Action Date: Jul 28, 2020 | Approved

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

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

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 72-1981 [S2017], Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch (6.30 mm), 1600 bpi (63 bpm), Phase Encoded (stabilized maintenance of INCITS 72-1981 (R2003))
  Public Review Date: Jun 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

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

  Public Review Date: Jun 27, 2008 | Final Action Date: Oct 29, 2008 | Approved

- INCITS 76-1981 [S2017], Unformatted Single Disk Cartridge (Top Loading, 200 TPI, 4400 BPI) - General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 76-1981 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved
ITI (INCITS) (InterNational Committee for Information Technology Standards)

- INCITS 82-1980 [S2021], One-Sided Single-Density Unformatted 5.25 Inch Flexible Disk Cartridge (stabilized maintenance of INCITS 82-1980 (R2006))
  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 29, 2011 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 19, 2020 | Approved

  Public Review Date: Aug 28, 2015 | Final Action Date: Dec 23, 2015 | Approved

  Public Review Date: Feb 22, 2008 | Final Action Date: Jun 19, 2008 | Approved

- INCITS 86-1980 [S2017], Inks, Optical Character Recognition (OCR) (stabilized maintenance of INCITS 86-1980 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 89-1981 [S2017], Unrecorded Single-Disk Double-Density Cartridge (Front Loading, 2200 BPI, 200 TPI), General, Physical, and Magnetic Requirements (stabilized maintenance of INCITS 89-1981 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

- INCITS 94-1985 [S2017], Programming Aid to Numerically Controlled Manufacturing (PANCM) (stabilized maintenance of INCITS 94-1985 (R2002))
  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 24, 2007 | Approved

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

- 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

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

  PINS Date: Mar 18, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Jun 19, 2017 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved
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  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

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  PINS Date: Aug 11, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Sep 24, 2020 | Approved

  PINS Date: May 13, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Jun 19, 2017 | Approved

- INCITS/ISO 19137:2007 [R2017], Geographic information - Core profile of the spatial schema (reaffirm a national adoption INCITS/ISO 19137:2007 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Nov 2, 2017 | Approved

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

  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

- INCITS/ISO 19144-1:2009 [R2020], Geographic information - Classification systems - Part 1: Classification system structure (reaffirm a national adoption INCITS/ISO 19144-1:2009 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 20, 2020 | Approved

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

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

  Public Review Date: Aug 12, 2016 | Final Action Date: Dec 15, 2016 | Approved

  PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Oct 5, 2020 | Approved
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  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Aug 26, 2011 | Final Action Date: Dec 28, 2011 | Approved

  Public Review Date: Sep 2, 2011 | Final Action Date: Dec 21, 2011 | Approved

- INCITS/ISO 3275:1974 [R2018], Information processing -- Implementation of the 7- bit coded character set and its 7-bit and 8- bit extensions on 3,81 mm magnetic cassette for data interchange (reaffirm a national adoption INCITS/ISO 3275:1974 [R2013])
  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 3562:1976 [S2020], Information processing - Interchangeable magnetic single-disk cartridge (top loaded) - Physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 3562:1976 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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  Public Review Date: Apr 6, 2007 | Final Action Date: Jul 12, 2007 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO 5654-1:1984 [S2020], Information processing - Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 fptrad, 1,9 tpmm (48 tpi), on one side - Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO 5654-1:1984 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved
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<td>INCITS/ISO 6596-1:1985 [S2020]</td>
<td>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 &amp; magnetic characteristics (stabilized maintenance of INCITS/ISO 6596-1:1985 [R2015])</td>
<td>Jun 26, 2020</td>
<td>Oct 30, 2020</td>
<td>Approved</td>
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<td>INCITS/ISO 6596-1:1985 [S2020]</td>
<td>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 &amp; magnetic characteristics (stabilized maintenance of INCITS/ISO 6596-1:1985 [R2015])</td>
<td>Jun 26, 2020</td>
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<td>INCITS/ISO 7065-1:1985 [S2020]</td>
<td>Info processing-Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording,13 262 ftprad, 1,9 tpmm (48 tpi), both sides-Part 1: Dimensional, physical &amp; magnetic characteristics (stabilized maintenance of INCITS/ISO 7065-1:1985 [R2015])</td>
<td>Jun 26, 2020</td>
<td>Oct 30, 2020</td>
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<td>INCITS/ISO 962:1974</td>
<td>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</td>
<td>(reaffirm a national adoption INCITS/ISO 962:1974 (R2013))</td>
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ITI (INCITS) (InterNational Committee for Information Technology Standards)

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- INCITS/ISO/IEC 11557:1992 [S2018], Information Technology - 3.81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording - DDS-DC Format Using 60 m and 90 m Length Tapes (stabilized maintenance of INCITS/ISO/IEC 11557-1992 (R2004))
  Public Review Date: Oct 17, 2008 | Final Action Date: Dec 19, 2008 | Approved

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- INCITS/ISO/IEC 12246:1993 [S2013], 8 mm wide magnetic tape cartridge dual azimuth format for information interchange - Helical Scan Recording (stabilized maintenance of INCITS/ISO/IEC 12246-1993 (S2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12248:1993 [S2013], 3,81 mm wide magnetic tape cartridge for information interchange - Helical scan recording - DATA/DAT-DC format using 60m and 90 m length tapes (stabilized maintenance of INCITS/ISO/IEC 12248-1993 (R2008))
  Public Review Date: Jun 7, 2013 | Final Action Date: Oct 14, 2013 | Approved

- INCITS/ISO/IEC 12862:2011 [R2019], Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL) (reaffirm a national adoption INCITS/ISO/IEC 12862:2011 [2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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<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))
  - Public Review Date: Nov 7, 2008 | Final Action Date: Feb 2, 2009 | Approved

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  (reaffirm a national adoption INCITS/ISO/IEC 14496-2:2004 [R2012])
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- INCITS/ISO/IEC 14496-20:2008/AM 1:2009 [R2021], Information technology -- Coding of audio-visual objects -- Part 20:
  Lightweight Application Scene Representation (LASeR) and Simple Aggregation Format (SAF) - Amendment 1: Extensions to support SVGT1.2 (reaffirm a national adoption INCITS/ISO/IEC 14496-20:2008AM1:2009 [R2016])
  Public Review Date: Apr 9, 2021 | Final Action Date: Aug 30, 2021 | Approved

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  Open Font Format - Amendment 1: Color font technology and other updates (identical national adoption of ISO/IEC
  PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved

  Music Representation (reaffirm a national adoption INCITS/ISO/IEC 14496-23:2008 [R2014])
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- INCITS/ISO/IEC 14496-26:2010 [2021], Information technology - Coding of audio-visual objects - Part 26: Audio
  conformance (identical national adoption of ISO/IEC 14496-26:2010)
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- INCITS/ISO/IEC 14760:1997 [S2020], Information technology -- Data interchange on 90 mm overwritable and read only optical disk cartridges using phase change -- Capacity: 1.3 Gbytes per cartridge (stabilized maintenance of INCITS/ISO/IEC 14760:1997 [R2015])
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- INCITS/ISO/IEC 15286:1999 [S2021], Information technology - 130 mm Rewritable and Read-only Optical Disk Cartridge, Capacity: 5,2 Gigabytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 15286-1999 (R2006))
Public Review Date: Sep 2, 2011 | Final Action Date: Dec 14, 2011 | Approved

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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INFORMATION TECHNOLOGY STANDARDS

1. 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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Note: All standards have been approved as of Tuesday, January 4, 2022.
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- INCITS/ISO/IEC 16969:1999 [S2020], Information technology -- Data interchange on 120 mm optical disk cartridges using +RW format -- Capacity: 3,0 Gbytes and 6,0 Gbytes (stabilized maintenance of INCITS/ISO/IEC 16969:1999 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

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

- INCITS/ISO/IEC 17341:2009 [R2019], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +RW Format - Capacity: 4,7 Gbytes and 1,46 Gbytes per Side (Recording speed up to 4X) (reaffirm a national adoption INCITS/ISO/IEC 17341:2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

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- INCITS/ISO/IEC 17344:2009 [R2019], Information technology - Data Interchange on 120 mm and 80 mm Optical Disk using +R Format - Capacity: 4,7 and 1,46 Gbytes per Side (Recording speed up to 16X) (reaffirm a national adoption INCITS/ISO/IEC 17344:2009 [R2014])
  Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

- INCITS/ISO/IEC 17345:2006 [S2017], Information technology - Data Interchange on 130 mm Rewritable and Write Once Read Many Ultra Density Optical (UDO) Disk Cartridges - Capacity: 30 Gbytes per Cartridge - First Generation (stabilized maintenance of INCITS/ISO/IEC 17345:2006 [R2012])
  Public Review Date: Jun 9, 2017 | Final Action Date: Dec 6, 2017 | Approved

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- INCITS/ISO/IEC 17592:2004 [S2020], Information technology - 120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD rewritable disk (DVD-RAM) (stabilized maintenance of INCITS/ISO/IEC 17592:2004 [R2019])
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<td>Information technology - Data Interchange on 130 mm Optical Disk Cartridges of Type WORM (Write Once Read Many) using Irreversible Effects - Capacity: 5,2 Gbytes per Cartridge (stabilized maintenance of INCITS/ISO/IEC 18093-1999 (R2006))</td>
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INCITS/ISO/IEC 18809-2000 [S2016], Information technology - 8 mm wide magnetic tape cartridge for information interchange - Helical scan recording - AIT-1 with MIC Format (stabilized maintenance of INCITS/ISO/IEC 18809-2000 [R2011])
Public Review Date: Aug 12, 2016 | Final Action Date: Nov 3, 2016 | Approved

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- INCITS/ISO/IEC 20563:2001 [S2012], Information technology - 80 mm (1.23 Gbytes per side) and 120 mm (3.95 Gbytes per side) DVD-recordable disk (DVD-R) (stabilized maintenance of INCITS/ISO/IEC 20563:2001 (R2007))
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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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- INCITS/ISO/IEC 23000-7:2008 [R2019], Information technology - Multimedia application format (MPEG-A) - Part 7: Open access application format (reaffirm a national adoption INCITS/ISO/IEC 23000-7:2008 [R2014])
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INCITS/ISO/IEC 23002-7:2021 [2021], Information technology - MPEG video technologies - Part 7: Versatile supplemental enhancement information messages for coded video bitstreams (identical national adoption of ISO/IEC 23002-7:2021)
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| ISO/IEC 23092-3:2020 | Information technology - Genomic information representation - Part 3: Metadata and application programming interfaces (APIs) | PINS Date: Mar 12, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 31, 2021 | Approved |
| ISO/IEC 23264-1:2021 | Information Security - Redaction Of Authentic Data - Part 1: General | PINS Date: May 14, 2021 | Public Review Date: Jun 25, 2021 | Final Action Date: Sep 9, 2021 | Approved |
| ISO/IEC 23270-2006 | Information technology -- Programming languages -- C | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
| ISO/IEC 23271:2012 | Information technology - Common Language Infrastructure (CLI) Partition 1 to VI | Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved |
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- INCITS/ISO/IEC 23912:2005 [S2020], Information Technology - 80 Mm (1.46 Gbytes Per Side) And 120 Mm (4.70 Gbytes Per Side) DVD Recordable Disk (DVD-R) (stabilized maintenance of INCITS/ISO/IEC 23912:2005 [R2015])
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- INCITS/ISO/IEC 29642:2009 [R2019], Information technology - Data interchange on 120 mm and 80 mm optical disk using +RW DL format - Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4x) (reaffirm a national adoption INCITS/ISO/IEC 29642:2009 [R2014])
Public Review Date: Aug 2, 2019 | Final Action Date: Nov 21, 2019 | Approved

PINS Date: Feb 28, 2020 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 22, 2020 | Approved

PINS Date: Apr 3, 2020 | Public Review Date: May 15, 2020 | Final Action Date: Sep 24, 2020 | Approved

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- INCITS/ISO/IEC 6596-2-1985 [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges using Two-Frequency Recording at 7 958 fipard, 1,9 tppm (48 tpi), on One Side - Part 2: Track Format (stabilized maintenance of INCITS/ISO/IEC 6596-2-1985 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved
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  Public Review Date: Jul 27, 2018 | Final Action Date: Dec 31, 2018 | Approved

- INCITS/ISO/IEC 7487-1:1993 [S2020], Information technology -- Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 fprad, 1.9 tpm (48 tpi), on both sides -- ISO type 202 -- Part 1: Dimensional, physical and magnetic characteristics (stabilized maintenance of INCITS/ISO/IEC 7487-1:1993 [R2015])
  Public Review Date: Jun 26, 2020 | Final Action Date: Oct 30, 2020 | Approved

- INCITS/ISO/IEC 7487-3-1986 [S2012], Information Processing - Data Interchange on 130 mm (5.25 in) Flexible Disk Cartridges Using Modified Frequency Modulation Recording at 7 958 fpm (48 tpi), on both sides - Part 3: Track Format B (stabilized maintenance of INCITS/ISO/IEC 7487-3-1986 (R2007))
  Public Review Date: Jun 8, 2012 | Final Action Date: Aug 20, 2012 | Approved

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- INCITS/ISO/IEC 9542:2002 (R2017), Information processing systems -- Telecommunications and information exchange between systems -- End system to Intermediate system routing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473) (reaffirm a national adoption INCITS/ISO 9542:2002 [R2012])
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ITSDF (Industrial Truck Standards Development Foundation, Inc.)
1750 K Street NW, Suite 460, Washington, DC 20006 | w: www.indtrak.org

  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)
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<td>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)</td>
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<td>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)</td>
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<td>ANSI/ITSDF B56.1a-2018, Safety Standard Low Lift and High Lift Trucks (addenda to ANSI/ITSDF B56.1-2016)</td>
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<td>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)</td>
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<td>ANSI/ITSDF B56.6-2021, Safety Standard for Rough Terrain Forklift Trucks (revision of ANSI/ITSDF B56.6-2016)</td>
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**KCMA (Kitchen Cabinet Manufacturers Association)**

1899 Preston White Drive, Reston, VA 20191 | w: www.kcma.org


**LEO (Leonardo Academy Inc.)**

8401 Excelsior Drive, Madison, WI 53717 | w: www.leonardoacademy.org

| 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 |
LEO (Leonardo Academy Inc.)

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LIA (ASC Z136) (Laser Institute of America)

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MHI (Material Handling Industry)

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MHI (Material Handling Industry)

- ANSI MH29.1-2020, Safety Requirements for Industrial Scissors Lifts (revision of ANSI MH29.1-2012)
  PINS Date: Dec 22, 2017 | Public Review Date: Apr 17, 2020 | Final Action Date: May 19, 2020 | Approved

- ANSI MH29.2-2020, Safety Requirements for Industrial Tilters (new standard)
  PINS Date: Jul 27, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Apr 3, 2020 | Approved

  PINS Date: Oct 5, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Aug 11, 2015 | Approved

  PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Dec 19, 2019 | Approved

- ANSI MH31.2-2021, Test Method for Crash Testing Industrial Guardrail Barriers and Barrier Posts (new standard)
  PINS Date: Dec 21, 2018 | Public Review Date: Nov 27, 2020 | Final Action Date: Mar 24, 2021 | Approved

  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

  PINS Date: Nov 10, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Jul 11, 2018 | Approved

  PINS Date: Jun 16, 2017 | Public Review Date: Aug 4, 2017 | Final Action Date: Jun 11, 2018 | Approved

  PINS Date: Oct 2, 2020 | Public Review Date: Oct 29, 2021 | Final Action Date: Dec 7, 2021 | 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
MHI (ASC MHC) (Material Handling Industry)

- ANSI MH10.8.13-2016, Material Handling - Label testing procedures for pressure-sensitive adhesive labels to be used for bar codes, other markings, and as carriers for other AIDC media. (new standard)
  PINS Date: Feb 1, 2008 | Public Review Date: May 1, 2015 | Final Action Date: May 12, 2016 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Sep 6, 2018 | Approved

- ANSI MH10.8.2-2016, Data Identifier and Application Identifier Standard (revision of ANSI MH10.8.2-2010)
  Public Review Date: Jan 22, 2016 | Final Action Date: Jun 10, 2016 | Approved

- ANSI MH10.8.2-2021, Data Identifiers (revision of ANSI MH10.8.2-2016)
  Public Review Date: Nov 27, 2020 | Final Action Date: Feb 11, 2021 | Approved

- ANSI MH10.8.3-2002 (R2012), Standard for Material Handling - Syntax for High Capacity ADC Media (new standard)
  Public Review Date: Feb 1, 2008 | Final Action Date: May 12, 2016 | Approved

  PINS Date: Apr 18, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Feb 14, 2017 | Approved

MSS (Manufacturers Standardization Society)

  PINS Date: Nov 20, 2015 | Public Review Date: Feb 5, 2016 | Final Action Date: Nov 16, 2018 | Approved

- ANSI/MSS SP-122-2017, Plastic Industrial Ball Valves (new standard)
  PINS Date: Jul 15, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Nov 20, 2017 | Approved

- ANSI/MSS SP-134-2012, Valves for Cryogenic Service, including Requirements for Body/Bonnet Extensions (new standard)
  PINS Date: Sep 20, 2013 | Public Review Date: Aug 22, 2014 | Final Action Date: Oct 12, 2015 | Approved

- ANSI/MSS SP-135-2016, High Pressure Knife Gate Valves (new standard)
  PINS Date: Jul 24, 2015 | Public Review Date: Oct 30, 2015 | Final Action Date: Apr 12, 2016 | Approved

- ANSI/MSS SP-138-2014, Quality Standard Practice for Oxygen Cleaning of Valves and Fittings (new standard)
  PINS Date: Apr 1, 2011 | Public Review Date: Jul 26, 2013 | Final Action Date: Jul 29, 2014 | Approved

- ANSI/MSS SP-144-2020, Pressure-Seal Bonnet Valves (revision of ANSI/MSS SP-144-2013)
  PINS Date: Jan 3, 2020 | Public Review Date: May 22, 2020 | Final Action Date: Jul 7, 2020 | Approved

  PINS Date: Jun 9, 2017 | Public Review Date: Jul 28, 2017 | Final Action Date: Mar 29, 2018 | Approved

- ANSI/MSS SP-44-2019, Steel Pipeline Flanges (revision of ANSI/MSS SP-44-2016)
  PINS Date: Aug 30, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Apr 10, 2020 | Approved

  PINS Date: Apr 2, 2010 | Public Review Date: Feb 18, 2011 | Final Action Date: Aug 26, 2011 | Approved

  PINS Date: Oct 18, 2013 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved
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The data in this document is reported as of Tuesday, January 4, 2022

### MSS (Manufacturers Standardization Society)
- ANSI/MSS SP-96-2017, Terminology for Valves, Fittings, and Their Related Components (revision of ANSI/MSS SP-96-2011)
  - PINS Date: May 6, 2016 | Public Review Date: Oct 14, 2016 | Final Action Date: Jan 6, 2017 | Approved

### MTConnect (MTConnect Institute)
- ANSI/MTC1.4-2018, MTConnect Standard V1.4 (new standard)
  - PINS Date: May 25, 2018 | Public Review Date: Jul 13, 2018 | Final Action Date: Dec 7, 2018 | Approved

### MTS (Institute for Market Transformation to Sustainability)
  - PINS Date: Jan 14, 2011 | Public Review Date: Feb 18, 2011 | Final Action Date: Mar 6, 2012 | Approved

### NAAMM (National Association of Architectural Metal Manufacturers)
  - PINS Date: Dec 3, 2010 | Public Review Date: Aug 5, 2011 | Final Action Date: Feb 23, 2012 | Approved

- ANSI/NAAMM HMMA 801-2012 (R2018), Glossary of Terms for Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 801-2012)
  - PINS Date: May 5, 2017 | Public Review Date: May 4, 2018 | Final Action Date: Jun 29, 2018 | Approved

  - PINS Date: Nov 19, 2010 | Public Review Date: Feb 17, 2017 | Final Action Date: Nov 1, 2017 | Approved

- ANSI/NAAMM HMMA 841-2013 (R2019), Tolerances and Clearances for Commercial Hollow Metal Doors and Frames (reaffirmation of ANSI/NAAMM HMMA 841-2013)
  - PINS Date: Mar 23, 2018 | Public Review Date: Nov 30, 2018 | Final Action Date: Feb 1, 2019 | Approved

  - PINS Date: Mar 23, 2018 | Public Review Date: Aug 3, 2018 | Final Action Date: Nov 1, 2018 | Approved

  - PINS Date: Jan 31, 2014 | Public Review Date: May 9, 2014 | Final Action Date: Sep 15, 2014 | Approved

  - PINS Date: Nov 19, 2010 | Public Review Date: Jun 7, 2013 | Final Action Date: Aug 5, 2013 | Approved

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<td>ANSI/NAAMM MBG 531-2017, Metal Bar Grating Manual (revision of ANSI/NAAMM MBG 531-2009) PINS Date: May 9, 2014</td>
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<td>ANSI/NAAMM MBG 533-2021, Welding Standards for Fabrication of Steel, Stainless Steel and Aluminum Bar Grating (new standard) PINS Date: May 9, 2014</td>
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<td>ANSI/NAAMM MBG 534-2014, Metal Bar Grating Engineering Design Manual (new standard) PINS Date: Nov 19, 2010</td>
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<td>ANSI/NASBLA 102-2017, Basic Boating Knowledge - Sailing (new standard) PINS Date: Jul 24, 2015</td>
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<td>ANSI/NASBLA 103-2016, Basic Boating Education - Power (new standard) PINS Date: Oct 10, 2014</td>
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NASPO (North American Security Products Organization)
1300 I Street, NW, Suite 400E, Washington, DC  20005 | w: www.naspo.info

  PINS Date: Mar 4, 2016 | Public Review Date: Nov 23, 2018 | Final Action Date: Apr 9, 2019 | Approved

- ANSI/NASPO IDV-2018, Requirements and Implementation Guidelines for Assertion, Resolution, Evidence and Verification of Personal Identity  (new standard)
  PINS Date: Mar 24, 2017 | Public Review Date: Nov 10, 2017 | Final Action Date: Mar 8, 2018 | Approved

  PINS Date: Jun 6, 2014 | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 2, 2015 | Approved

- ANSI/NASPO SD 01-2014, Minimum security requirements for security documents  (new standard)
  PINS Date: Nov 11, 2011 | Public Review Date: Jul 4, 2014 | Final Action Date: Sep 24, 2014 | Approved

NBBPVI (National Board of Boiler and Pressure Vessel Inspectors)
1055 Crupper Avenue, Columbus, OH  43229-1183 | w: www.nationalboard.org

  Public Review Date: Aug 28, 2020 | Final Action Date: Jan 4, 2021 | Approved

NCMA (National Contract Management Association)
21740 Beaumeade Circle, Suite 125, Ashburn, VA  20147 | w: www.ncmahq.org

  PINS Date: Oct 26, 2018 | Public Review Date: Jan 25, 2019 | Final Action Date: Apr 22, 2019 | Approved

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

  Public Review Date: Mar 13, 2020 | Final Action Date: Aug 28, 2020 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 21, 2014 | Approved

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  Public Review Date: Mar 12, 2021 | Final Action Date: Jul 6, 2021 | Approved

  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 31, 2015 | Approved

- ANSI/NCPDP BUS v4.0-2020, NCPDP Billing Unit Standard v4.0 (revision and redesignation of ANSI/NCPDP BUS v3.1)
  PINS Date: Jul 24, 2020 | Public Review Date: Sep 11, 2020 | Final Action Date: Dec 18, 2020 | Approved

- ANSI/NCPDP FB v4.1-2013, NCPDP Formulary and Benefit Standard v4.1-201x (revision and redesignation of ANSI/NCPDP FB v4.0-2013)
  Public Review Date: Jun 14, 2013 | Final Action Date: Oct 3, 2013 | Approved

- ANSI/NCPDP FB v4.2-2014, NCPDP Formulary and Benefit Standard v4.2-201x (revision and redesignation of ANSI/NCPDP FB v4.1-2013)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP FB v4.3-2015, NCPDP Formulary and Benefit Standard v4.3 (revision and redesignation of ANSI/NCPDP FB v4.2-2014)
  Public Review Date: Sep 5, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/NCPDP FB v4.4-2015, NCPDP Formulary and Benefit Standard v44 (revision and redesignation of ANSI/NCPDP FB v4.3-2015)
  Public Review Date: Feb 27, 2015 | Final Action Date: Dec 9, 2015 | Approved
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<td>ANSI/NCPDP MR v06.01-2013, NCPDP Manufacturer Rebate Utilization, Plan, Formulary, Market Basket, and Reconciliation Flat File Standard v06.01-201x</td>
<td>revision and redesignation of ANSI/NCPDP MR v06.00-2013</td>
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NCPDP (National Council for Prescription Drug Programs)

- ANSI/NCPDP Post Adj v43-2014, NCPDP Post Adjudication Standard v43-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.2-2013)
  Public Review Date: Dec 6, 2013 | Final Action Date: Apr 22, 2014 | Approved

- ANSI/NCPDP Post Adj v44-2014, NCPDP Post Adjudication Standard v4.4-201x (revision and redesignation of ANSI/NCPDP Post Adj v4.3-2014)
  Public Review Date: May 30, 2014 | Final Action Date: Oct 6, 2014 | Approved

- ANSI/NCPDP Post Adj v45-2016, NCPDP Post Adjudication Standard v45 (revision and redesignation of ANSI/NCPDP Post Adj v44-2014)
  Public Review Date: Mar 4, 2016 | Final Action Date: Aug 18, 2016 | Approved

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- ANSI/NCPDP Product Identifier v1.0-2014, NCPDP Product Identifier Standard v1.0 (new standard)
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  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

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- ANSI/NCPDP SC Standard v2021011-2020, NCPDP SCRIPT Standard v2021011 (revision and redesignation of ANSI/NCPDP SC v2020101)
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- ANSI/NCPDP SCRIPT 2015041-2015, NCPDP SCRIPT Standard 2015041 (revision and redesignation of BSR/NCPDP SC WG110060201xxx#)
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- 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 and redesignation of NCPDP Specialized Standard WG110053201xxx#)
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NCPDP (National Council for Prescription Drug Programs)

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- ANSI/NCPDP Specialized Standard 2014072-2014, NCPDP Specialized Standard 2014072 (revision and redesignation of NCPDP Specialized Standard WG110057201xxx#)
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- ANSI/NCPDP Specialized Standard 2014101-2014, NCPDP Specialized Standard 2014101 (revision and redesignation of NCPDP Specialized Standard WG11006201xxx#)
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- ANSI/NCPDP Specialized Standard 2015041-2015, NCPDP Specialized Standard 2015041 (revision and redesignation of NCPDP Specialized Standard WG110064201xxx)
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- ANSI/NCPDP Specialized Standard 2015071-2015, NCPDP Specialized Standard 2015071 (revision and redesignation of NCPDP Specialized Standard WG110064201xxx)
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- ANSI/NCPDP Specialty Pharmacy Reporting v10-2018, NCPDP Specialty Pharmacy Data Reporting Standard v10 (new standard)
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  Public Review Date: Sep 14, 2018 | Final Action Date: Jan 29, 2019 | 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

  PINS Date: Apr 26, 2019 | Public Review Date: Sep 13, 2019 | Final Action Date: Dec 6, 2019 | Approved

  PINS Date: Aug 14, 2015 | Public Review Date: Mar 10, 2017 | Final Action Date: Oct 6, 2017 | Approved

- ANSI/NCPDP TC vE.1-2013, NCPDP Telecommunication Standard vE.1-201x (revision and redesignation of ANSI/NCPDP TC vE.0-2013)
  Public Review Date: Sep 14, 2012 | Final Action Date: Feb 27, 2013 | Approved

  Public Review Date: Dec 14, 2012 | Final Action Date: Apr 10, 2013 | Approved

- ANSI/NCPDP TC vE.3-2013, NCPDP Telecommunication Standard vE.3-2013 (revision and redesignation of ANSI/NCPDP TC vE.2-2013)
  Public Review Date: Mar 8, 2013 | Final Action Date: Oct 22, 2013 | Approved

- ANSI/NCPDP TC vE.4-2014, NCPDP Telecommunication Standard vE.4-2014 (revision and redesignation of ANSI/NCPDP TC vE.3-2013)
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  - Public Review Date: Sep 14, 2018 | Final Action Date: Jan 18, 2019 | Approved

  - Public Review Date: Mar 15, 2019 | Final Action Date: Jul 19, 2019 | Approved

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## NCSLI (ASC Z540) (National Conference of Standards Laboratories)

  - Public Review Date: Jan 27, 2012 | Final Action Date: Jan 14, 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

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The data in this document is reported as of Tuesday, January 4, 2022

Approved American National Standards

1201 Pennsylvania Avenue, Suite 1200, Washington, DC 20004 | w: www.neca-neis.org

- 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

- ANSI/NECA 104-2012, Standard for Installing Aluminum Building Wire and Cable (revision of ANSI/NECA 104-2006)
  PINS Date: Jan 28, 2011 | Public Review Date: Aug 10, 2012 | Final Action Date: Oct 22, 2012 | Approved

- ANSI/NECA 111-2017, Standard for Installing Nonmetallic Raceways (RNC, ENT, LFNC) (new standard)
  PINS Date: Aug 3, 2012 | Public Review Date: May 12, 2017 | Final Action Date: Aug 2, 2017 | Approved

- ANSI/NECA 130-2016, Standard for Installing and Maintaining Wiring Devices (revision of ANSI/NECA 130-2010)
  PINS Date: May 15, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: Apr 20, 2016 | Approved

- ANSI/NECA 169-2016, Standard for Installing and Maintaining Arc-Fault Circuit Interrupters (AFCIs) and Ground-Fault Circuit Interrupters (GFCIs) (revision of ANSI/NECA 169-2010)
  PINS Date: May 15, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: May 3, 2016 | Approved

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- ANSI/NECA 331-2020, Standard for Installing Building Service Entrance Grounding (new standard)
  PINS Date: Jul 6, 2018 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 24, 2020 | Approved

  PINS Date: Jun 22, 2012 | Public Review Date: Jul 11, 2014 | Final Action Date: Sep 9, 2014 | Approved

- ANSI/NECA 402-2020, Standard for Installing and Maintaining Motor Control Centers (new standard)
  PINS Date: Jun 21, 2019 | Public Review Date: Dec 27, 2019 | Final Action Date: Mar 24, 2020 | Approved
NECA (National Electrical Contractors Association)

- ANSI/NECA 404-2014, Standard for Installing Generator Sets (revision of ANSI/NECA 404-2006)
  Public Review Date: Sep 20, 2013 | Final Action Date: Feb 28, 2014 | Approved

  PINS Date: Jul 4, 2014 | Public Review Date: Dec 19, 2014 | Final Action Date: Mar 12, 2015 | Approved

- ANSI/NECA 408-2015, Standard for Installing and Maintaining Busways (revision of ANSI/NECA 408-2009)
  PINS Date: Jul 4, 2014 | Public Review Date: Feb 20, 2015 | Final Action Date: Apr 20, 2015 | Approved

- ANSI/NECA 409-2015, Standard for Installing and Maintaining Dry-Type Transformers (revision of ANSI/NECA 409-2009)
  PINS Date: Aug 1, 2014 | Public Review Date: Jun 26, 2015 | Final Action Date: Aug 3, 2015 | Approved

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  PINS Date: Aug 11, 2017 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 22, 2019 | Approved

  PINS Date: Oct 10, 2014 | Public Review Date: Jul 8, 2016 | Final Action Date: Jan 17, 2017 | Approved

- ANSI/NECA 417-2019, Recommended Practice for Designing, Installing, Operating and Maintaining Microgrids (new standard)
  PINS Date: Apr 28, 2017 | Public Review Date: Jun 21, 2019 | Final Action Date: Sep 9, 2019 | Approved

  PINS Date: Aug 3, 2012 | Public Review Date: Dec 6, 2013 | Final Action Date: Mar 12, 2014 | Approved

- ANSI/NECA 430-2016, Standard for Installing and Maintaining Medium-Voltage Switchgear (revision of ANSI/NECA 430-2006)
  PINS Date: Aug 12, 2011 | Public Review Date: May 6, 2016 | Final Action Date: Aug 10, 2016 | Approved

- ANSI/NECA 505-2010, Standard for Installing and Maintaining High Mast, Roadway and Area Lighting (new standard)
  PINS Date: Feb 2, 2007 | Public Review Date: May 5, 2010 | Final Action Date: Jun 21, 2010 | Approved

- ANSI/NECA 700-2016, Standard for Installing Overcurrent Protection to Achieve Selective Coordination (revision of ANSI/NECA 700-2010)
  PINS Date: May 15, 2015 | Public Review Date: Apr 22, 2016 | Final Action Date: Oct 25, 2016 | Approved

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NECA (National Electrical Contractors Association)

  PINS Date: May 11, 2007 | Public Review Date: Jul 23, 2010 | Final Action Date: Dec 16, 2010 | Approved

- ANSI/NECA/FOA 301-2016, Standard for Installing and Testing Fiber Optic Cables (revision of ANSI/NECA/FOA 301-2010)
  PINS Date: Jul 4, 2014 | Public Review Date: Jun 17, 2016 | Final Action Date: Oct 5, 2016 | Approved

- ANSI/NECA/NACMA 120-2018, Standard for Installing Armored Cable (Type AC) and Type Metal-Clad (MC) Cable (revision of ANSI/NECA 120-2012)
  PINS Date: Nov 10, 2017 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 28, 2018 | Approved

- ANSI/NECA/NCSCB 600-2014 (R2020), Standard for Installing and Maintaining Medium-Voltage Cable (reaffirmation and redesignation of ANSI/NECA 600-2014)
  PINS Date: Mar 15, 2019 | Public Review Date: Oct 25, 2019 | Final Action Date: Jan 9, 2020 | Approved

- ANSI/NECA/NEMA 105-2015, Standard for Installing Metal Cable Tray Systems (revision of ANSI/NECA/NEMA 105-2007)
  PINS Date: Feb 20, 2015 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 21, 2015 | Approved

NEMA (National Electrical Manufacturers Association)

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

- ANSI/NEMA SM 31000-2-2021, Electrical SubmeterActive Energy Accuracy (new standard)
  PINS Date: Oct 16, 2020 | Public Review Date: Apr 23, 2021 | Final Action Date: Aug 6, 2021 | Approved

- ANSI/NEMA 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

- ANSI/NEMA 62430-2010, ENVIRONMENTAL CONSCIOUS DESIGN FOR ELECTRICAL AND ELECTRONIC PRODUCTS (identical national adoption of IEC 62430)
  PINS Date: Mar 26, 2010 | Public Review Date: Aug 13, 2010 | Final Action Date: Oct 19, 2010 | Approved

- ANSI/NEMA AB 3-2013, Molded Case Circuit Breakers and Their Application (new standard)
  PINS Date: Aug 31, 2012 | Public Review Date: Nov 2, 2012 | Final Action Date: Feb 25, 2013 | Approved

- ANSI/NEMA AB 4-2011, Guidelines for Inspection and Preventive Maintenance of Molded Case Circuit Breakers Used in Commercial and Industrial Applications (revision of ANSI/NEMA AB 4-2004)
  PINS Date: Apr 3, 2009 | Public Review Date: Mar 26, 2010 | Final Action Date: Mar 30, 2011 | Approved

- ANSI/NEMA FB-1-2014, Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit, Electrical Metallic Tubing and Cable (revision of ANSI/NEMA FB-1-2012)
  Public Review Date: Jul 25, 2014 | Final Action Date: Oct 29, 2014 | Approved

- ANSI/NEMA HN 1-2019, Manufacturer Disclosure Statement for Medical Device Security (new standard)
  PINS Date: Mar 8, 2019 | Public Review Date: May 10, 2019 | Final Action Date: Jul 9, 2019 | Approved

- ANSI/NEMA IM 60000-2021, Industrial Laminating Thermosetting Products (new standard)
  PINS Date: Feb 5, 2021 | Public Review Date: Oct 8, 2021 | Final Action Date: Nov 29, 2021 | Approved

  PINS Date: Sep 7, 2012 | Public Review Date: Nov 23, 2012 | Final Action Date: Jan 29, 2013 | Approved

- ANSI/NEMA KS 3-2012, Guidelines for Inspection and Preventive Maintenance of Switches Used in Commercial and Industrial Applications (new standard)
  PINS Date: Mar 11, 2011 | Public Review Date: Sep 30, 2011 | Final Action Date: Aug 2, 2012 | Approved
## NEMA (National Electrical Manufacturers Association)

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<td>Sep 17, 2020</td>
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<tr>
<td>ANSI/NEMA OS 2-2014 (R2020), Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports (reaffirmation of ANSI/NEMA OS 2-2014)</td>
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<td>ANSI/NEMA SM 31000-1 2021, Electrical Submeter - General Requirements (new standard)</td>
<td>Sep 9, 2016</td>
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<td>Approved</td>
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## NEMA (ASC C119) (National Electrical Manufacturers Association)

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NEMA (ASC C119) (National Electrical Manufacturers Association)

- ANSI C119.4-2016, Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C (revision of ANSI C119.4-2010)
  PINS Date: Oct 16, 2015 | Public Review Date: Dec 4, 2015 | Final Action Date: Jul 7, 2016 | Approved

- ANSI C119.5-2018, Insulation Piercing Connector Systems, Rated 600 Volts or Less (Low-Voltage Aerial Bundled Cables and Insulated and Non-Insulated Line Wires) (revision of ANSI C119.5-2009)
  PINS Date: Nov 13, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 21, 2018 | Approved

- ANSI C119.6-2018, Electric Connectors Non-Sealed, Multiport Connector Systems Rated 600 Volts or Less for Aluminum and Copper Conductors (revision of ANSI C119.6-2011)
  PINS Date: Nov 10, 2017 | Public Review Date: Feb 23, 2018 | Final Action Date: Jun 29, 2018 | Approved

  PINS Date: Mar 9, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 14, 2018 | Approved

NEMA (ASC C12) (National Electrical Manufacturers Association)

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  Public Review Date: Mar 12, 2021 | Final Action Date: May 11, 2021 | Approved

- ANSI C12.11-2006 (R2019), Instrument Transformers for Revenue Metering 10kV BIL through 350 kV BIL (0.6 kV NSV through 69 kV NSV) (reaffirmation of ANSI C12.11-2006 (R2014))
  Public Review Date: Jul 26, 2019 | Final Action Date: Sep 23, 2019 | Approved

- ANSI C12.18-2006 (R2015), Protocol Specification for ANSI Type 2 Optical Port (reaffirmation of ANSI C12.18-2006)
  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

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- ANSI C12.20-2017, Standard for Electricity Meters - 0.1, 0.2 and 0.5 Accuracy Classes (revision of ANSI C12.20 -2010)
  PINS Date: Nov 27, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 24, 2017 | Approved

  Public Review Date: Jun 10, 2016 | Final Action Date: Aug 23, 2016 | Approved

  PINS Date: Jan 17, 2020 | Public Review Date: Apr 17, 2020 | Final Action Date: Jun 18, 2020 | Approved

- ANSI C12.32-2021, Electricity Meters for the Measurement of DC Energy (new standard)
  PINS Date: May 17, 2019 | Public Review Date: Jan 15, 2021 | Final Action Date: Mar 4, 2021 | Approved

- ANSI C12.6-1987 (R2016), Phase-Shifting Devices Used In Metering, Marking and Arrangement of Terminals (reaffirmation of ANSI C12.6-1987 (R2011))
  PINS Date: Jun 10, 2016 | Public Review Date: Aug 12, 2016 | Final Action Date: Jan 12, 2017 | Approved

- ANSI C12.7-2005 (R2014), Requirements for Watthour Meter Sockets (reaffirmation of ANSI C12.7-2005)
  PINS Date: Aug 3, 2012 | Public Review Date: Feb 1, 2013 | Final Action Date: Aug 14, 2014 | Approved
### NEMA (ASC C12) (National Electrical Manufacturers Association)

  - Public Review Date: Mar 12, 2021 | Final Action Date: Jun 8, 2021 | Approved

- **ANSI C12.9-2014 (R2021)**, Test Switches and Plugs for Transformer-Rated Meters (reaffirmation of ANSI C12.9-2014)
  - PINS Date: Aug 9, 2019 | Public Review Date: May 21, 2021 | Final Action Date: Aug 5, 2021 | Approved

- **ANSI IEC 62056-6-2 ED3-2019**, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-2: COSEM Interface Classes (identical national adoption of IEC 62056-6-2 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-5-3 ED3-2019**, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 5 - 3: DLMS/COSEM application layer (identical national adoption of IEC 62056-5-3 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-6-1 ED3-2019**, Electricity Metering Data Exchange - The DLMS/COSEM Suite - Part 6-1: Object Identification System (OBIS) (identical national adoption of IEC 62056-6-1 ED3)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

- **ANSI/IEC 62056-6-20 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)
  - PINS Date: Apr 20, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jul 8, 2019 | Approved

### NEMA (ASC C136) (National Electrical Manufacturers Association)

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

  - Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

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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

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  - PINS Date: Apr 26, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

  - PINS Date: Nov 22, 2019 | Public Review Date: May 15, 2020 | Final Action Date: Jul 9, 2020 | Approved

- **ANSI C136.16-2019, ANS for Roadway and Area Lighting Equipment - Post Top–Mounted Luminaires (revision of ANSI C136.16-2014)**
  - PINS Date: Nov 30, 2018 | Public Review Date: Mar 8, 2019 | Final Action Date: Aug 8, 2019 | Approved
## 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

  - Public Review Date: Jan 24, 2020 | Final Action Date: Mar 19, 2020 | Approved

- ANSI C136.27-2021, for Roadway and Area Lighting EquipmentTunnel and Underpass Lighting Luminaires (revision of ANSI C136.27-2012)
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  - Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved
NEMA (ASC C136) (National Electrical Manufacturers Association)

- ANSI C136.3-2020, Luminaire Attachments (revision of ANSI C136.3-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Jan 17, 2020 | Final Action Date: Mar 3, 2020 | Approved

- ANSI C136.30-2015, Standards for Roadway and Area Lighting Equipment - Pole Vibration (new standard)
  PINS Date: Nov 16, 2012 | Public Review Date: Nov 28, 2014 | Final Action Date: Jan 13, 2015 | Approved

- ANSI C136.31-2018, Standard for Roadway and Area Lighting Equipment - Luminaire Vibration (revision of ANSI C136.31-2010)
  PINS Date: Feb 19, 2016 | Public Review Date: Jun 16, 2017 | Final Action Date: Jun 5, 2018 | Approved

- ANSI C136.32-2020, Standard for Roadway and Area Lighting Equipment - Enclosed Setback Luminaires and Directional Floodlights (revision of ANSI C136.32-2012)
  PINS Date: Dec 1, 2017 | Public Review Date: Jun 28, 2019 | Final Action Date: Jan 6, 2020 | Approved

- ANSI C136.34-2020, For Roadway and Area Lighting Equipment - Vandal Shields for Roadway and Area Lighting Luminaires (revision of ANSI C136.34-2014)
  PINS Date: Apr 26, 2019 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 22, 2020 | Approved

- ANSI C136.35-2020, Locking Type Power Taps (LTPT) (revision of ANSI C136.35-2009 (R2014))
  PINS Date: Apr 26, 2019 | Public Review Date: Jan 24, 2020 | Final Action Date: Mar 13, 2020 | Approved

  PINS Date: May 27, 2016 | Public Review Date: Feb 22, 2019 | Final Action Date: May 3, 2019 | Approved

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- ANSI C136.4-2019, Series Sockets and Series Socket Receptacles (revision of ANSI C136.4-2003 (R2013))
  PINS Date: May 10, 2019 | Public Review Date: Jun 28, 2019 | Final Action Date: Aug 13, 2019 | Approved

  PINS Date: Dec 27, 2013 | Public Review Date: May 30, 2014 | Final Action Date: Jul 17, 2014 | Approved

- ANSI C136.41-2021, Standard for Roadway and Area Lighting Equipment - Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver (revision of ANSI C136.41-2013)
  PINS Date: Sep 8, 2017 | Public Review Date: Feb 26, 2021 | Final Action Date: Dec 3, 2021 | Approved

- ANSI C136.42-2018, Standard for Roadway and Area Lighting Equipment - SSL Cobra Head Retrofit Mechanical and Electrical Interchangeability (new standard)
  PINS Date: Dec 30, 2011 | Public Review Date: Nov 23, 2018 | Final Action Date: Feb 13, 2019 | Approved

- ANSI C136.45-2011 (S2021), Aluminum Lighting Poles (stabilized maintenance of ANSI C136.45-2011 (R2016))
  Public Review Date: Jan 15, 2021 | Final Action Date: May 21, 2021 | Approved

- ANSI C136.46-2020, Concrete Lighting Poles (revision of ANSI C136.46-2013)
  PINS Date: Aug 23, 2019 | Public Review Date: Apr 10, 2020 | Final Action Date: Jul 9, 2020 | Approved

- ANSI C136.47-2010 (S2021), Steel Roadway and Area Lighting Poles (stabilized maintenance of ANSI C136.47-2010 (R2015))
  PINS Date: Jul 31, 2020 | Public Review Date: Oct 9, 2020 | Final Action Date: May 21, 2021 | Approved

- ANSI C136.48-2018, For Roadway and Area Lighting Equipment - Remote Monitoring and Controls (new standard)
  PINS Date: Nov 1, 2013 | Public Review Date: Apr 13, 2018 | Final Action Date: Sep 25, 2018 | Approved

- ANSI C136.49-2021, For Roadway and Area Lighting Equipment - Plasma Lighting (revision of ANSI C136.49-2016)
  PINS Date: Jul 16, 2021 | Public Review Date: Sep 10, 2021 | Final Action Date: Oct 26, 2021 | Approved
**NEMA (ASC C136) (National Electrical Manufacturers Association)**

- ANSI C136.5-1989 (S2019), Film Cutouts  (stabilized maintenance of ANSI C136.5-1989 (R2013))
  - Public Review Date: Dec 7, 2018 | Final Action Date: Jan 29, 2019 | Approved

- ANSI C136.50-2021, For Roadway and Area Lighting Equipment - Energy Measurement for a Network Lighting Control (NLC) Device with Locking Type Receptacle  (new standard)
  - PINS Date: Nov 1, 2013 | Public Review Date: Jun 4, 2021 | Final Action Date: Jul 20, 2021 | Approved

- ANSI C136.52-2021, LED Drivers with integral Revenue Grade Energy Measurement Means  (new standard)
  - Public Review Date: Mar 19, 2021 | Final Action Date: May 20, 2021 | Approved

- ANSI C136.53-2017, For Roadway and Area Lighting Equipment Enclosed Pendant Mounted Luminaires  (new standard)
  - PINS Date: Aug 26, 2016 | Public Review Date: Sep 29, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C136.58-2019, Luminaire Four-Pin Extension Module and Receptacle - Physical and Electrical Interchangeability and Testing  (new standard)
  - PINS Date: Jul 6, 2018 | Public Review Date: Mar 22, 2019 | Final Action Date: Aug 9, 2019 | Approved

  - Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

- ANSI C136.6-2004 (R2018), For Roadway and Area Lighting Equipment Metal Heads and Reflector Assemblies Mechanical and Optical Interchangeability  (reaffirmation of ANSI C136.6-2004 (R2012))
  - Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

- ANSI C136.9-2004 (R2018), For Roadway and Area Lighting Equipment Socket Support Assemblies for Metal Heads Mechanical Interchangeability  (reaffirmation of ANSI C136.9-2004 (R2012))
  - Public Review Date: Dec 15, 2017 | Final Action Date: Apr 17, 2018 | Approved

**NEMA (ASC C137) (National Electrical Manufacturers Association)**

- ANSI C137.0-2017, Standard for Lighting Systems Terms and Definitions  (new standard)
  - PINS Date: Jan 6, 2017 | Public Review Date: Jul 7, 2017 | Final Action Date: Oct 20, 2017 | Approved

- 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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- ANSI/C137.1-2019, Zero to Ten Volt (0-10V) Analog Control Interface for Solid-State and fluorescent Lighting  (new standard)
  - PINS Date: Jul 10, 2015 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 9, 2019 | Approved

- ANSI/C137.4-2021, Standard for Digital Interface with Auxiliary Power for Devices  (revision of ANSI C137.4-2019)
  - PINS Date: Feb 14, 2020 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 11, 2021 | Approved

- ANSI/C137.5-2021, Energy Reporting Requirements for Lighting Devices  (new standard)
  - PINS Date: Mar 1, 2019 | Public Review Date: Dec 4, 2020 | Final Action Date: Mar 4, 2021 | Approved

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

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## NEMA (ASC C18) (National Electrical Manufacturers Association)

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## NEMA (ASC C29) (National Electrical Manufacturers Association)

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NEMA (ASC C29) (National Electrical Manufacturers Association)

- 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 InsulatorsStation 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 GlassDistribution Suspension Type (revision of ANSI C29.2A-2013)
  Public Review Date: Feb 7, 2020 | Final Action Date: Apr 24, 2020 | Approved

- ANSI C29.2B-2013, Standard for Insulators - Wet Process Porcelain and Toughened Glass - Transmission Suspension Type (new standard)
  PINS Date: Mar 8, 2013 | Public Review Date: Apr 5, 2013 | Final Action Date: May 30, 2013 | Approved

- ANSI C29.8-2017, Wet Process Porcelain Insulators - Apparatus, Cap and Pin Type (revision of ANSI C29.8-1985 (R2012))
  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Aug 18, 2017 | Approved

  PINS Date: Jul 24, 2015 | Public Review Date: Jun 9, 2017 | Final Action Date: Sep 19, 2017 | Approved

- ANSI/NEMA C29.3-2015, Standard for Wet Process Porcelain Insulators - Spool Type (revision and redesignation of ANSI C29.3-1986 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 29, 2015 | Approved

- ANSI/NEMA C29.4-2015, Standard for Wet Process Porcelain Insulators-Strain Type (revision and redesignation of ANSI C29.4-1989 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.5-2015, Standard for Wet Process Porcelain Insulators- Low and Medium Voltage Types (revision and redesignation of ANSI C29.5-1984 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.6-2015, Standard for Wet Process Porcelain Insulators-High Voltage Pin Type (revision and redesignation of ANSI C29.6-1996 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 30, 2015 | Approved

- ANSI/NEMA C29.7-2015, Standard for Wet Process Porcelain Insulators- High-Voltage Line Post Type (revision and redesignation of ANSI C29.7-1996 (R2012))
  Public Review Date: Jul 4, 2014 | Final Action Date: Jul 31, 2015 | Approved

NEMA (ASC C37) (National Electrical Manufacturers Association)

1300 North 17th Street, Suite 1752, Arlington, VA  22209 | w: www.nema.org

- ANSI C37.50-2018, Low-Voltage AC Power Circuit Breakers Used in Enclosures - Test Procedures (revision of ANSI C37.50-2012)
  PINS Date: Jul 3, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Mar 29, 2018 | Approved

  PINS Date: Mar 20, 2015 | Public Review Date: Jun 16, 2017 | Final Action Date: Mar 29, 2018 | Approved
NEMA (ASC C37) (National Electrical Manufacturers Association)

- ANSI C37.54-2003 (R2020), Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear Conformance Test Procedures (reaffirmation of ANSI C37.54-2003 (R2010))
  PINS Date: Feb 28, 2020 | Public Review Date: May 29, 2020 | Final Action Date: Sep 17, 2020 | Approved

  PINS Date: Jul 24, 2009 | Public Review Date: Oct 2, 2009 | Final Action Date: Nov 16, 2010 | Approved

- ANSI C37.55-2020, Standard for Switchgear Medium Voltage Metal-Clad Assemblies Conformance Test Procedures (revision of ANSI C37.55-2003 (R2010))
  PINS Date: May 11, 2018 | Public Review Date: Dec 27, 2019 | Final Action Date: Feb 24, 2020 | Approved

  PINS Date: Jul 24, 2009 | Public Review Date: Oct 2, 2009 | Final Action Date: Nov 16, 2010 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Nov 15, 2019 | Approved

  PINS Date: May 4, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 22, 2020 | Approved

NEMA (ASC C50) (National Electrical Manufacturers Association)

- ANSI C50.41-2012 (R2021), Polyphase Induction Motors for Power Generating Stations (reaffirmation of ANSI C50.41-2012)
  PINS Date: Feb 15, 2019 | Public Review Date: Oct 16, 2020 | Final Action Date: Apr 5, 2021 | Approved

- ANSI NEMA MG 1-2021, Motors and Generators (revision of ANSI/NEMA MG 1-2016)
  Public Review Date: Apr 2, 2021 | Final Action Date: Jun 15, 2021 | Approved

NEMA (ASC C78) (National Electrical Manufacturers Association)

  PINS Date: Oct 9, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 29, 2016 | Approved

  PINS Date: Oct 9, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 30, 2016 | Approved

- ANSI C78.1401-2004 (R2016), Dimensions for Projection Lamps - Double-Contact, Medium Ring (Special B), Base-up Type (reaffirmation of ANSI C78.1401-2004 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 6, 2016 | Approved

- ANSI C78.1402-2004 (S2018), Standard For Electric Lamps -- Dimensions for Projection Lamps G17q and GX17q Based Four-pin, Prefocus, for Base-down Operation (stabilized maintenance of ANSI C78.1402-2004 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved
NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.1406-2004 (S2020), For Electric Lamps Electric Lamps – P28 Single-Contact Medium Prefocus Based Projection Lamps for Base-Down Operation - Dimensions (stabilized maintenance of ANSI C78.1406-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1407-2004 (S2020), For Electric Lamps Electric Lamps – Condenser-Reflector, Four-Pin Prefocus-Base Projection Lamps - Dimensions (stabilized maintenance of ANSI C78.1407-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1408-2004 (S2020), For Electric Lamps Electric Lamps – CBA Projection Lamp (stabilized maintenance of ANSI C78.1408-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1420-2001 (S2018), Standard For Electric Lamps-Microfilm Projection Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1420-2001 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Jan 24, 2018 | Approved

- ANSI C78.1430-1997 (R2016), Slide Projector Lamps, Condensing, Dichroic, 1.65-in. (42 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GX5.3 Bases (reaffirmation of ANSI C78.1430-1997 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Feb 26, 2016 | Approved

- ANSI C78.1431-1997 (R2016), Slide Projector Lamps, Condensing, Dichroic, Two-inch (51 mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GV5.3 Bases (reaffirmation of ANSI C78.1431-1997 (R2009))
  Public Review Date: Oct 16, 2015 | Final Action Date: Mar 2, 2016 | Approved

- ANSI C78.1432-1997 (S2018), Standard for Electric Lamps–Tungsten-Halogen Lamps with GZ9.5 Two-Pin, Prefocus Bases and 36.5mm Nominal Light Center Length (stabilized maintenance of ANSI C78.1432-1997 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1433-2001 (S2018), Standard Electric Lamps Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases (stabilized maintenance of ANSI C78.1433-2001 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1434-2001 (S2018), Standard Electric Lamps Condensing Dichroic Coated Integral Reflector Side Pin Tungsten Halogen Projection Lamps with GX7.9 Bases (stabilized maintenance of ANSI C78.1434-2001 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1435-2002 (S2018), Standard Electric Lamps Projection Lamps–Tungsten Halogen Lamps with G5.3 Bases (stabilized maintenance of ANSI C78.1435-2002 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: Oct 20, 2017 | Final Action Date: Feb 15, 2018 | Approved

- ANSI C78.1451-2002 (S2018), Standard For Electric Lamps–Use of Protective Shields with Tungsten-Halogen Lamps Cautionary Notice (stabilized maintenance of ANSI C78.1451-2002 (R2011))
  Public Review Date: Oct 20, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI C78.1452-2004 (S2020), For Electric Lamps – Projection Lamps – Vocabulary (stabilized maintenance of ANSI C78.1452-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.1460-2004 (S2020), For Electric Lamps Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 36.5mm LCL, 76.2mm MOL with Proximity Reflector (stabilized maintenance of ANSI C78.1460-2004 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved
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<td>ANSI C78.376-2014 (R2021)</td>
<td>For electric lamps: Specifications for the Chromaticity of Fluorescent Lamps (reaffirmation of ANSI C78.376-2014)</td>
<td>May 6, 2021</td>
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NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.379-2006 (S2020), For Electric Lamps - Classification of the Beam Patterns of Reflector Lamps (stabilized maintenance of ANSI C78.379-2006 (R2015))
  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.380-2016, ANS for electric lamps: High-Intensity Discharge Lamps, Method of Designation (revision of ANSI C78.380-2007 (R2010))
  PINS Date: Dec 18, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jul 7, 2016 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Jul 12, 2016 | Approved

  Public Review Date: Mar 4, 2016 | Final Action Date: Jul 1, 2016 | Approved

  PINS Date: Jun 30, 2017 | Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI C78.391-2004 (R2016), Characteristics of Subminiature Lamps of T1 and T1-3/4 Shapes (reaffirmation of ANSI C78.391-2009)
  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 6, 2016 | Approved

- ANSI C78.40-2016, Standard - Electric Lamps: Specifications for Mercury Lamps (revision of ANSI C78.40-2011)
  PINS Date: Jan 1, 2016 | Public Review Date: Apr 8, 2016 | Final Action Date: Jul 7, 2016 | Approved

- ANSI C78.41-2016, Electric lamps: Guidelines for Low Pressure Sodium Lamps (revision of ANSI C78.41-2006 (R2010))
  PINS Date: Dec 18, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved

- ANSI C78.42-2009 (R2016), Electric Lamps - High-Pressure Sodium Lamps (reaffirmation and redesignation of ANSI ANSLG C78.42-2009)
  Public Review Date: Oct 16, 2015 | Final Action Date: Feb 26, 2016 | Approved

- ANSI C78.43-2017, for Electric Lamps - Single-Ended Metal Halide Lamps (revision and redesignation of ANSI ANSLG C78.43-2013)
  PINS Date: Jan 23, 2015 | Public Review Date: Jun 30, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C78.44-2016, For Electric Lamps: Double-Ended Metal Halide Lamps (revision and redesignation of ANSI/ANSLG C78.44-2008)
  Public Review Date: Apr 22, 2016 | Final Action Date: Jul 1, 2016 | Approved

- ANSI C78.45-2016, Self-ballasted Mercury Lamps (revision and redesignation of ANSI ANSLG C78.45-2007 (R2010))
  PINS Date: Dec 18, 2015 | Public Review Date: Feb 26, 2016 | Final Action Date: Sep 20, 2016 | Approved

- ANSI C78.5-2017, Standard For Electric Lamps - Specifications for Performance of Self-ballasted Compact Fluorescent Lamps (revision of ANSI C78.5-2003 (R2015))
  PINS Date: Dec 25, 2015 | Public Review Date: May 26, 2017 | Final Action Date: Dec 21, 2017 | Approved

- ANSI C78.50-2016, Electric Lamps - Assigned LED Lamp Codes (revision of ANSI C78.50-2014)
  PINS Date: May 6, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Aug 23, 2016 | Approved
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<td>Electric Lamps: LED (Light Emitting Diode) Lamps - Method of Designation (new standard)</td>
<td>Approved</td>
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<td>ANSI C78.53-2019</td>
<td>Electric Lamps, Performance Specifications for Direct Replacement LED (Light Emitting Diode) Lamps (new standard)</td>
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<td>ANSI C78.54-2019</td>
<td>Standard for Electric Lamps - Specification Sheet for Tubular Fluorescent Replacement and Retrofit LED Lamps (new standard)</td>
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<td>ANSI C78.55-2020</td>
<td>Standard for Electric Lamps - LED Lamp Specification Sheets for HID Replacement and Retrofit Applications (new standard)</td>
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<td>ANSI C78.60432.2-2004 (S2018)</td>
<td>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))</td>
<td>Approved</td>
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<td>ANSI C78.60432.3-2007 (S2018)</td>
<td>Standard for electric lamps--Incandescent LampsSafety Specifications--Part 3: Tungsten halogen lamps (non-vehicle) (stabilized maintenance of ANSI C78.60432.3-2007 (R2011))</td>
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<td>ANSI C78.62035-2016</td>
<td>Standard for Electric Lamps - Discharge Lamps (Excluding Fluorescent Lamps) Safety Specifications (revision and redesignation of ANSI/IEC C78.62035-2004 (R2009))</td>
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<td>ANSI C78.62612-2018</td>
<td>Standard for Electric Lamps -- Self-ballasted LED Lamps Performance Specifications (new standard)</td>
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<td>ANSI C78.62717-2018</td>
<td>Standard for Electric Lamps--LED modules for general lighting Performance Requirements (new standard)</td>
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<td>ANSI C78.79-2014 (R2020)</td>
<td>Standard for Electric Lamps - Nomenclature for Envelope Shapes Intended for use with Electric Lamps (reaffirmation of ANSI C78.79-2014)</td>
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NEMA (ASC C78) (National Electrical Manufacturers Association)

- ANSI C78.81-2016, For Electric Lamps - Double-Capped Fluorescent Lamps-Dimensional and Electrical Characteristics (revision and redesignation of ANSI/ANSLG C78.81-2014)
  PINS Date: Jan 30, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jun 29, 2016 | Approved

- ANSI C78.901-2016, Electric Lamps - Single-Based Fluorescent Lamps-Dimensional and Electrical Characteristics (revision of ANSI/ANSLG C78.901-2014)
  Public Review Date: Jun 17, 2016 | Final Action Date: Aug 23, 2016 | Approved

  Public Review Date: May 29, 2020 | Final Action Date: Sep 28, 2020 | Approved

- 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

- ANSI C78.LL4-2003 (S2018), Standard for Electric Lamps—Procedures for Incandescent Lamp Sample Preparation and the Toxicity Characteristic Leaching Procedure (stabilized maintenance of ANSI C78.LL4-2003 (R2011))
  Public Review Date: Feb 9, 2018 | Final Action Date: Jun 8, 2018 | Approved

NEMA (ASC C8) (National Electrical Manufacturers Association)

- ANSI ICEA P-124-736-2021, Code Words for 600V Underground Distribution Cable (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-127-737-2021, Code Words for Overhead Aluminum Covered Conductors and 600 Volt Overhead Cables (new standard)
  PINS Date: Sep 27, 2019 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 3, 2021 | Approved

- ANSI ICEA P-32-382-2006 (R2018), Short Circuit Characteristics of Insulated Conductors (reaffirmation of ANSI/ICEA P-32-382-2006 (R2013))
  Public Review Date: Mar 23, 2018 | Final Action Date: Aug 16, 2018 | Approved

  PINS Date: Sep 20, 2019 | Public Review Date: Feb 21, 2020 | Final Action Date: Aug 14, 2020 | Approved

  PINS Date: Dec 16, 2016 | Public Review Date: Jan 12, 2018 | Final Action Date: May 15, 2018 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Jun 21, 2019 | Final Action Date: Aug 26, 2019 | Approved

  PINS Date: Apr 26, 2019 | Public Review Date: Feb 7, 2020 | Final Action Date: Sep 2, 2020 | Approved

  PINS Date: May 18, 2018 | Public Review Date: Jun 11, 2021 | Final Action Date: Jul 27, 2021 | Approved

  PINS Date: Jan 5, 2018 | Public Review Date: Feb 16, 2018 | Final Action Date: Mar 16, 2018 | Approved
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<td>ANSI ICEA S-122-744-2016</td>
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<td>ANSI ICEA T-31-610-2018</td>
<td>Test Method For Conducting Longitudinal Water Penetration Resistance Tests on Blocked Conductors</td>
<td>(revision of ANSI/ICEA T-31-610-2014)</td>
<td>Jan 26, 2018</td>
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<td>ANSI ICEA T-34-664-2018</td>
<td>Test Method For Conducting Longitudinal Water Penetration Resistance Tests on Longitudinal Water Blocked Cables</td>
<td>(revision of ANSI/ICEA T-34-664-2014)</td>
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<td>ANSI NEMA HP 4-2021</td>
<td>Electrical and Electronic FEP (Fluorinated Ethylene Propylene) Insulated High Temperature Hook-Up Wire, Types KT (250 Volt), K (600 Volt), and KK (1000 Volt)</td>
<td>(revision of ANSI/NEMA HP 4-2012)</td>
<td>Apr 27, 2018</td>
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<td>Electrical and Electronic Crosslinked, Modified Polyethylene (XLPE) Insulated 125°C Hook-Up Wire, Types L (600 V), LL (1000 V), and LX (3000 V)</td>
<td>(revision of ANSI/NEMA HP 5-2013)</td>
<td>May 18, 2018</td>
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<td>ANSI NEMA HP 6-2021</td>
<td>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)</td>
<td>(revision of ANSI/NEMA HP 6-2013)</td>
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<td>ANSI NEMA WC 55021-2021</td>
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<td>ANSI NEMA WC76-2018</td>
<td>Standard for Controlled Impedance Shielded Twisted Pairs in Internal Electrical Cable</td>
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**NEMA (ASC C8) (National Electrical Manufacturers Association)**

  - PINS Date: Sep 7, 2012 | Public Review Date: Nov 2, 2012 | Final Action Date: Mar 19, 2013 | **Approved**

  - PINS Date: May 16, 2014 | Public Review Date: Apr 3, 2015 | Final Action Date: Mar 14, 2016 | **Approved**

  - Public Review Date: Dec 14, 2018 | Final Action Date: Jul 25, 2019 | **Approved**

  - PINS Date: Jul 20, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | **Approved**

- ANSI/NEMA HP 3-2021, Insulated High Temperature Hook-Up Wire; Types ET (250 Volts), E (600 Volts), and EE (1000 Volts) (revision of ANSI/NEMA HP 3-2011)
  - PINS Date: Aug 16, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 2, 2021 | **Approved**

- ANSI/NEMA HP 9-2014 (R2021), Electrical and Electronic Ethylene-Propylene Diene Elastomer (EPDM) Insulated Hook-Up Wire, Types EP (Rated 125°C; 600 V) and EPD (Rated 125°C; 5000 V) (reaffirmation of ANSI/NEMA HP 9-2014)
  - PINS Date: Jul 26, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 9, 2021 | **Approved**

  - PINS Date: Jun 16, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Dec 6, 2017 | **Approved**

  - PINS Date: Mar 15, 2019 | Public Review Date: Aug 2, 2019 | Final Action Date: Feb 7, 2020 | **Approved**

  - PINS Date: Aug 2, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Sep 22, 2020 | **Approved**

- ANSI/NEMA WC 66/ICEA S-166-732-2019, Title: Standard for Category 6 and 6A, 100 Ohm Individually, unsheilded twisted pairs, indoor cables (with or without an overall shield) for use in LAN Communication Wire systems (revision of ANSI/NEMA WC 66/ICEA S-116-732-2013)
  - PINS Date: May 18, 2018 | Public Review Date: Jul 26, 2019 | Final Action Date: Sep 30, 2019 | **Approved**

  - Public Review Date: May 7, 2021 | Final Action Date: Jul 6, 2021 | **Approved**

  - PINS Date: May 8, 2009 | Public Review Date: Dec 6, 2013 | Final Action Date: Jun 16, 2014 | **Approved**

- ANSI/NEMA WC 75-2015, Standard for Controlled Impedance in Internal Electrical Cable (new standard)
  - PINS Date: Oct 25, 2013 | Public Review Date: Nov 20, 2014 | Final Action Date: Jan 8, 2015 | **Approved**

  - PINS Date: Apr 24, 2015 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 23, 2017 | **Approved**
### NEMA (ASC C80) (National Electrical Manufacturers Association)

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

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<td>Electrical Intermediate Metal Conduit (new standard)</td>
<td>Jun 12, 2009</td>
<td>Mar 16, 2018</td>
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### NEMA (ASC C81) (National Electrical Manufacturers Association)

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

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### NEMA (ASC C82) (National Electrical Manufacturers Association)

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

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<td>Lamp Ballasts - High Frequency Fluorescent Lamp Ballasts (revision of ANSI C82.11-2011)</td>
<td>Jun 10, 2016</td>
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<td>ANSI C82.15-2021</td>
<td>LED Drivers Robustness (new standard)</td>
<td>Mar 14, 2014</td>
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<td>Lighting Equipment: High Frequency (HF) Electronic Ballasts for Metal Halide Lamps (new standard)</td>
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<td>Lamp Ballasts - Reference Ballasts for Fluorescent Lamps (revision of ANSI C82.3-2002 (R2010))</td>
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<td>ANSI C82.4-2017</td>
<td>Standard for Lamp Ballasts - Ballasts for High-Intensity-Discharge and Low-Pressure Sodium Lamps (Multiple-Supply Type) (revision of ANSI C82.4-2002 (R2010))</td>
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<td>ANSI C82.5-2016</td>
<td>Reference Ballasts - High-Intensity-Discharge and Low-Pressure Sodium Lamps (revision and redesignation of ANSI ANSI SLG C82.5-2010 (R2010))</td>
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<td>ANSI C82.6-2015</td>
<td>Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge Lamps - Methods of Measurement (reaffirmation of ANSI C82.6-2015)</td>
<td>Public Review Date: Jan 24, 2020</td>
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<td>ANSI C82.77-1-2020</td>
<td>Standard for Lighting Equipment Electromagnetic Compatibility (EMC) General Requirements and Criteria (new standard)</td>
<td>PINS Date: Dec 7, 2018</td>
<td>Public Review Date: Mar 13, 2020</td>
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<td>ANSI C82.77-10-2021</td>
<td>For Lighting Equipment Harmonic Emission Limits Related Power Quality Requirements (revision of ANSI C82.77-10-2020)</td>
<td>PINS Date: May 29, 2020</td>
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<td>ANSI C82.77-2-2020</td>
<td>Standard for Lighting Equipment Electrostatic Discharge (national adoption with modifications of IEC 61000-4-2 Edition 2 2008-12)</td>
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<td>ANSI C82.77-3-2020</td>
<td>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))</td>
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<td>Standard for Lighting Equipment Fast Transients (national adoption with modifications of IEC 61000-4-4:2012)</td>
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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)
  PINS Date: Dec 7, 2018 | Public Review Date: Mar 13, 2020 | Final Action Date: May 4, 2020 | Approved

- ANSI C82.9-2016, ANS for lamp ballasts: High-Intensity Discharge and Low-Pressure Sodium Lamps â€“ Definitions (revision and redesignation of ANSI ANSLG C82.9-2010)
  PINS Date: Aug 21, 2015 | Public Review Date: Apr 8, 2016 | Final Action Date: Jul 12, 2016 | Approved

**NEMA (ASC C84) (National Electrical Manufacturers Association)**

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

- ANSI C84.1-2020, Standard for Electric Power Systems and Equipment Voltage Ratings (60 Hertz) (revision of ANSI C84.1-2016)
  PINS Date: Feb 15, 2019 | Public Review Date: Nov 22, 2019 | Final Action Date: Mar 10, 2020 | Approved

**NEMA (ASC W1) (National Electrical Manufacturers Association)**

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

  PINS Date: Aug 17, 2018 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

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

  Public Review Date: Apr 24, 2020 | Final Action Date: Jul 14, 2020 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  PINS Date: Aug 7, 2020 | Public Review Date: Sep 25, 2020 | Final Action Date: Feb 2, 2021 | Approved

- ANSI/NEMA/IEC 60974-6-2019, Arc Welding Equipment Part 6: Limited duty equipment (national adoption with modifications of IEC 60974-6, ed. 2)
  PINS Date: Oct 20, 2017 | Public Review Date: Feb 22, 2019 | Final Action Date: Jun 14, 2019 | Approved

- ANSI/NEMA/IEC 60974-7-2021, Arc Welding Equipment Part 7: Torches (national adoption of IEC 60974-7, edition 4 with modifications and revision of ANSI/NEMA/IEC 60974-7-2009)
  PINS Date: Nov 22, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Feb 9, 2021 | Approved

  Public Review Date: Apr 17, 2020 | Final Action Date: Jun 8, 2020 | Approved
### NEMA (ASC Z535) (National Electrical Manufacturers Association)
1300 North 17th Street, Suite 900, Rosslyn, VA  22209  |  w: [www.nema.org](http://www.nema.org)

  - PINS Date: Jul 22, 2016  |  Public Review Date: Sep 23, 2016  |  Final Action Date: Oct 20, 2017  |  Approved

- ANSI Z535.2-2011 (R2017), Environmental and Facility Signs  (reaffirmation of ANSI Z535.2-2011)
  - Public Review Date: Jan 20, 2017  |  Final Action Date: Oct 18, 2017  |  Approved

- ANSI Z535.3-2011 (R2017), Standard Criteria for Safety Symbols  (reaffirmation of ANSI Z535.3-2011)
  - PINS Date: Jul 1, 2016  |  Public Review Date: Jan 20, 2017  |  Final Action Date: Oct 20, 2017  |  Approved

- ANSI Z535.4-2011 (R2017), Product Safety Signs and Labels  (reaffirmation of ANSI Z535.4-2011)
  - Public Review Date: Jan 20, 2017  |  Final Action Date: Oct 20, 2017  |  Approved

- ANSI Z535.5-2011 (R2017), Standard for Safety Tags and Barricade Tapes (for Temporary Hazards)  (reaffirmation of ANSI Z535.5-2011)
  - Public Review Date: Jan 20, 2017  |  Final Action Date: Oct 25, 2017  |  Approved

- ANSI Z535.6-2011 (R2017), Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials  (reaffirmation of ANSI Z535.6-2011)
  - Public Review Date: Feb 17, 2017  |  Final Action Date: Oct 27, 2017  |  Approved

### NENA (National Emergency Number Association)
1700 Diagonal Road, Suite 500, Alexandria, VA  22314  |  w: [www.nena.org](http://www.nena.org)

- ANSI/NENA STA-010.3-2021, NENA i3 Standard for Next Generation 9-1-1  (new standard)
  - PINS Date: May 8, 2015  |  Public Review Date: Mar 19, 2021  |  Final Action Date: Oct 7, 2021  |  Approved

- ANSI/NENA STA-011.1-2021, NENA Standards for 9-1-1 Professional Education  (new standard)
  - PINS Date: Sep 2, 2016  |  Public Review Date: Jul 31, 2020  |  Final Action Date: Feb 4, 2021  |  Approved

- ANSI/NENA STA-013.2-2016, NENA Public Safety Communications & Railroad Interaction Standard Operating Procedures  (new standard)
  - PINS Date: Apr 11, 2014  |  Public Review Date: Aug 7, 2015  |  Final Action Date: Mar 31, 2016  |  Approved

- ANSI/NENA STA-019.1-2018, NG9-1-1 Call Processing Metrics Standard  (new standard)
  - PINS Date: May 8, 2015  |  Public Review Date: Jan 19, 2018  |  Final Action Date: Jul 2, 2018  |  Approved

- ANSI/NENA STA-026.5-2016, NENA PSAP Master Clock Standard  (new standard)
  - PINS Date: Aug 28, 2015  |  Public Review Date: May 20, 2016  |  Final Action Date: Dec 21, 2016  |  Approved

- ANSI/NENA STA-027.3-2018, NENA E9-1-1 PSAP Equipment Standard  (new standard)
  - PINS Date: Apr 15, 2016  |  Public Review Date: Jan 19, 2018  |  Final Action Date: Jul 2, 2018  |  Approved

- ANSI/NENA STA.021.1-2021, NENA Standard for Emergency Incident Data Object (EIDO)  (new standard)
  - PINS Date: Nov 6, 2020  |  Public Review Date: May 28, 2021  |  Final Action Date: Oct 19, 2021  |  Approved

### NETA (InterNational Electrical Testing Association)
3050 Old Centre Road, Suite 101, Portage, MI  49024  |  w: [www.netaworld.org](http://www.netaworld.org)

  - PINS Date: Nov 30, 2018  |  Public Review Date: Jun 26, 2020  |  Final Action Date: Sep 18, 2020  |  Approved
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NFPA (National Fire Protection Association)

PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

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PINS Date: Aug 24, 2018 | Public Review Date: Feb 28, 2020 | Final Action Date: Feb 11, 2021 | Approved

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- 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
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NFPA (National Fire Protection Association)

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  PINS Date: Jul 7, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Jul 28, 2021 | Approved

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- 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

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## ANSI/NFPA 1587-2021, Standard for Dry Chemical Extinguishing Systems (revision of ANSI/NFPA 1587-2016)
PINS Date: Jul 7, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

## ANSI/NFPA 1588-2021, Standard for Pre-Incident Planning (revision of ANSI/NFPA 1588-2015)
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: Jul 31, 2020 | Final Action Date: Oct 25, 2020 | Approved

## ANSI/NFPA 1590-2021, 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

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  - PINS Date: Nov 10, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

  - 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

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<td>ANSI/NFPA 2112-2018, Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire</td>
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<td>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</td>
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<td>ANSI/NFPA 22-2018, Standard for Water Tanks for Private Fire Protection</td>
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NFPA (National Fire Protection Association)

  PINS Date: Jul 7, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Jun 4, 2021 | Approved

  PINS Date: Sep 2, 2016 | Public Review Date: Jul 27, 2018 | Final Action Date: Nov 25, 2018 | Approved

  PINS Date: Dec 8, 2017 | Public Review Date: Sep 25, 2020 | Final Action Date: Jun 4, 2021 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Nov 30, 2017 | Approved

  PINS Date: May 19, 2017 | Public Review Date: Aug 25, 2017 | Final Action Date: Jul 13, 2018 | Approved

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  PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved

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  PINS Date: Dec 8, 2017 | Public Review Date: Aug 6, 2021 | Final Action Date: Oct 22, 2021 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Aug 31, 2020 | Approved

- 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
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  PINS Date: Jul 21, 2017 | Public Review Date: Mar 9, 2018 | Final Action Date: Oct 29, 2019 | Approved

- ANSI/NFPA 505-2018, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations (revision of ANSI/NFPA 505-2012)
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PINS Date: Sep 2, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 25, 2018 | Approved

PINS Date: Apr 21, 2017 | Public Review Date: Feb 1, 2019 | Final Action Date: May 18, 2019 | Approved

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PINS Date: Jan 22, 2016 | Public Review Date: Mar 29, 2019 | Final Action Date: Aug 25, 2019 | Approved

PINS Date: Jan 25, 2018 | Public Review Date: Feb 9, 2018 | Final Action Date: May 24, 2018 | Approved

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ANSI/NFPA 901-2021, Standard Classifications for Incident Reporting and Fire Protection Data (revision of ANSI/NFPA 901-2016)
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NFPA (National Fire Protection Association)

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  PINS Date: Oct 13, 2017 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 24, 2019 | Approved

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  PINS Date: Jul 7, 2017 | Public Review Date: Mar 29, 2019 | Final Action Date: Apr 4, 2020 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Apr 4, 2020 | Approved

  PINS Date: Feb 23, 2018 | Public Review Date: Jan 17, 2020 | Final Action Date: Apr 4, 2020 | Approved

NFRC (National Fenestration Rating Council)

6305 Ivy Lane, Suite 140, Greenbelt, MD 20770 | w: www.nfrc.org

- ANSI/NFRC 100-2020 EA01, 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 EA01, 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
## NFRC (National Fenestration Rating Council)

- **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)

- **ANSI/NIRMA CM 1.0-2021**, Guidelines for Configuration Management of Nuclear Facilities  
  (revision of ANSI/NIRMA CM 1.0-2007 (R2015))  
  PINS Date: Oct 11, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Jun 1, 2021 | Approved

## NISO (National Information Standards Organization)

  (new standard)  
  PINS Date: Sep 25, 2015 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 6, 2017 | Approved

  Public Review Date: Oct 31, 2014 | Final Action Date: Jan 21, 2015 | Approved

- **ANSI/NISO Z39.2-1994 (R2016)**, Information Interchange Format  
  (reaffirmation of ANSI/NISO Z39.2-1994 (R2009))  
  Public Review Date: Mar 15, 2016 | Final Action Date: Mar 24, 2016 | Approved

  (stabilized maintenance of ANSI/NISO Z39.23-1997 (R2009))  
  Public Review Date: Oct 31, 2014 | Final Action Date: Mar 24, 2015 | Approved

- **ANSI/NISO Z39.32-1996 (R2012)**, Information on Microfiche Headers  
  (reaffirmation of ANSI/NISO Z39.32-1996 (R2002))  
  Public Review Date: Dec 9, 2011 | Final Action Date: Feb 22, 2012 | Approved

- **ANSI/NISO Z39.4-2021**, Criteria for Indexes  
  (new standard)  
  PINS Date: Mar 29, 2019 | Public Review Date: May 14, 2021 | Final Action Date: Jul 12, 2021 | Approved

- **ANSI/NISO Z39.41-1997 (S2015)**, Placement Guidelines for Information on Spines  
  (stabilized maintenance of ANSI/NISO Z39.41-1997 (R2009))  
  Public Review Date: Oct 31, 2014 | Final Action Date: Jan 22, 2015 | Approved

- **ANSI/NISO Z39.43-1993 (R2017)**, Standard Address Number (SAN) for the Publishing Industry  
  (reaffirmation of ANSI/NISO Z39.43-1993 (R2011))  
  Public Review Date: Jan 6, 2017 | Final Action Date: Apr 3, 2017 | Approved

  (stabilized maintenance of ANSI/NISO Z39.50-2003 (R2009))  
  Public Review Date: Oct 31, 2014 | Final Action Date: Dec 23, 2014 | Approved
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NISO (National Information Standards Organization)

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  Public Review Date: Dec 9, 2011 | Final Action Date: Feb 22, 2012 | Approved

  Public Review Date: Dec 9, 2011 | Final Action Date: Feb 22, 2012 | Approved

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  PINS Date: Aug 10, 2012 | Public Review Date: Sep 7, 2012 | Final Action Date: Feb 20, 2013 | Approved

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  Public Review Date: Jan 6, 2017 | Final Action Date: Apr 3, 2017 | Approved

  Public Review Date: Oct 31, 2014 | Final Action Date: Dec 23, 2014 | Approved

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  PINS Date: Feb 17, 2012 | Public Review Date: May 4, 2012 | Final Action Date: Jul 9, 2012 | Approved

  PINS Date: May 13, 2016 | Public Review Date: Oct 7, 2016 | Final Action Date: Feb 2, 2017 | Approved

  Public Review Date: Jan 19, 2018 | Final Action Date: Mar 16, 2018 | Approved
NIST/ITL (National Institute of Standards and Technology/Information Technology Laboratory)
100 Bureau Drive, Stop 8900, NIST, Gaithersburg, MD 20899-8900 | w: www.nist.gov

PINS Date: Sep 26, 2014 | Public Review Date: Apr 1, 2016 | Final Action Date: Jul 14, 2016 | Approved

NPPC (National Pork Producers Council)
P.O. Box 10383, Des Moines, IA 50306 | w: www.nppc.org

PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 26, 2021 | Approved

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PINS Date: Oct 14, 2016 | Public Review Date: Jan 10, 2020 | Final Action Date: Apr 21, 2021 | Approved

NSAA (ASC B77) (National Ski Areas Association)
133 S Van Gordon Street, Suite 300, Lakewood, CO 80228

PINS Date: Feb 13, 2015 | Public Review Date: Mar 10, 2017 | Final Action Date: May 11, 2017 | Approved

- ANSI B77.2-2020, Standard for Funiculars - Safety Standard (revision of ANSI B77.2-2014)
PINS Date: Jun 8, 2018 | Public Review Date: Aug 7, 2020 | Final Action Date: Sep 30, 2020 | Approved

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

- ANSI/BIFMA e3-2019 (i23r2), NSF/BIFMA e3 - Furniture Sustainability Standard (revision of ANSI/BIFMA e3-2014)
Public Review Date: Apr 27, 2018 | Final Action Date: Apr 3, 2019 | Approved

- ANSI/NSC 373-2017 (i1r1), Sustainable Production of Natural Dimension Stone (revision and redesignation of ANSI/NSC 373-2014 (i2r1))
Public Review Date: Feb 17, 2017 | Final Action Date: Aug 8, 2017 | Approved

- ANSI/NSC 373-2019 (i3r1), Sustainability Assessment for Natural Dimension Stone (revision of ANSI/NSC 373-2017)
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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)
  Public Review Date: Jun 3, 2016 | Final Action Date: Jul 12, 2016 | Approved

- ANSI/NSF 14-2016 (i74r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2015)
  Public Review Date: Apr 22, 2016 | Final Action Date: May 24, 2016 | Approved

- 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)
  Public Review Date: Jul 22, 2016 | Final Action Date: Sep 9, 2016 | Approved

- ANSI/NSF 14-2016 (i77r2), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2015)
  Public Review Date: May 20, 2016 | Final Action Date: Jun 24, 2016 | Approved

  Public Review Date: Jul 8, 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: Oct 28, 2016 | Final Action Date: Nov 29, 2016 | Approved

- ANSI/NSF 14-2016 (i81r1), NSF/ANSI 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
  Public Review Date: Dec 23, 2016 | Final Action Date: Jan 26, 2017 | Approved

- ANSI/NSF 14-2017 (i82r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2007 (i17))
  Public Review Date: Dec 23, 2016 | Final Action Date: Jan 26, 2017 | Approved

- ANSI/NSF 14-2017 (i83r1), NSF/ANSI 14 - Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016a)
  Public Review Date: May 19, 2017 | Final Action Date: Jun 18, 2017 | Approved

- ANSI/NSF 14-2017 (i85r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2016)
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- ANSI/NSF 14-2017 (i87r1), NSF/ANSI 14 - Plastics piping system components and related materials (revision of ANSI/NSF 14-2016)
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  Public Review Date: Sep 20, 2019 | Final Action Date: Nov 4, 2019 | Approved

  Public Review Date: Oct 25, 2019 | Final Action Date: Nov 26, 2019 | Approved

  Public Review Date: Oct 11, 2019 | Final Action Date: Nov 28, 2019 | Approved

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

  Public Review Date: May 29, 2020 | Final Action Date: Jul 13, 2020 | Approved

- ANSI/NSF 14-2021 (i111r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jun 4, 2021 | Final Action Date: Sep 23, 2021 | Approved

- ANSI/NSF 14-2021 (i112r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
  Public Review Date: Jun 25, 2021 | Final Action Date: Sep 30, 2021 | Approved

- ANSI/NSF 14-2021 (i113r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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- ANSI/NSF 14-2021 (i114r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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- ANSI/NSF 14-2021 (i115r1), Plastics Piping System Components and Related Materials (revision of ANSI/NSF 14-2020)
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ANSI/NSF 169-2020 (i9r1), NSF 169 - Special Purpose Food Equipment and Devices  (revision of ANSI/NSF 169-2016)
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ANSI/NSF 170-2015 (i16r2), Glossary of Food Equipment Terminology  (revision of ANSI/NSF 170-2011)
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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 Terminology  (revision of ANSI/NSF 170-2014)
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ANSI/NSF 170-2021 (i32r1), Glossary of Food Equipment Terminology  (revision of ANSI/NSF 170-2019)
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ANSI/NSF 173-2015 (i50r3), Dietary Supplements  (revision of ANSI/NSF 173-2013 (i48))
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ANSI/NSF 173-2015 (i57r1), Dietary Supplements  (revision of ANSI/NSF 173-2012)
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ANSI/NSF 173-2015 (i58r1), Dietary Supplements  (revision of ANSI/NSF 173-2012)
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ANSI/NSF 173-2016 (i49r1), Dietary Supplements  (revision of ANSI/NSF 173-2013)
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| ANSI/NSF 173-2016 (i54r1), Dietary Supplements | (revision of ANSI/NSF 173-2013) | Public Review Date: Nov 27, 2015 | Final Action Date: Feb 1, 2016 | Approved |
| ANSI/NSF 173-2016 (i60r1), Dietary Supplements | (revision of ANSI/NSF 173-2013) | Public Review Date: Mar 25, 2016 | Final Action Date: Apr 24, 2016 | Approved |
| ANSI/NSF 173-2017 (i63r2), NSF 173-2016 Dietary Supplements | (revision of BSR/NSF 173-201x (i63r2)) | Public Review Date: Nov 10, 2017 | Final Action Date: Dec 10, 2017 | Approved |
| ANSI/NSF 173-2017 (i69r1), Dietary Supplements | (revision of ANSI/NSF 173-2016) | Public Review Date: Jun 9, 2017 | Final Action Date: Jul 25, 2017 | Approved |
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- ANSI/NSF 173-2020 (i68r2), NSF 173-2020: Dietary Supplements (revision of BSR/NSF 173-202x (i68r1))
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- ANSI/NSF 173-2021 (i82r4), Dietary Supplements (revision of ANSI/NSF 173-2020)
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- ANSI/NSF 173-2021 (i93r1), Dietary Supplements (revision of ANSI/NSF 173-2020)
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- ANSI/NSF 173-2021 (i94r1), Dietary Supplements (revision of ANSI/NSF 173-2020)
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- ANSI/NSF 177-2014 (i5r1), Shower Filtration Systems - Aesthetic Effects (new standard)
  Public Review Date: Aug 29, 2014 | Final Action Date: Dec 11, 2014 | Approved

- ANSI/NSF 177-2019 (i8r1), NSF 177 - Shower Filtration Systems – Aesthetic Effects (revision of ANSI/NSF 177-2014)
  Public Review Date: Aug 9, 2019 | Final Action Date: Sep 10, 2019 | Approved

- ANSI/NSF 18-2016 (i14r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2012)
  Public Review Date: May 6, 2016 | Final Action Date: Jun 8, 2016 | Approved

- ANSI/NSF 18-2020 (i15r1), NSF 18 - Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 8-2016)
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- ANSI/NSF 18-2020 (i17r1), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)
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- ANSI/NSF 18-2021 (i19r2), Manual Food and Beverage Dispensing Equipment (revision of ANSI/NSF 18-2016)
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- ANSI/NSF 184-2014 (i5r1), Residential Dishwashers (revision of ANSI/NSF 184-2010)
  Public Review Date: Oct 10, 2014 | Final Action Date: Nov 12, 2014 | Approved

- ANSI/NSF 184-2019 (i11r2), NSF 184 - Residential Dishwashers (revision of ANSI/NSF 184-2014)
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- ANSI/NSF 2-2015 (i24r2), Food Equipment (revision of ANSI/NSF 2-2014)
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- ANSI/NSF 2-2016 (i23r2), Food Equipment (revision of ANSI/NSF 2-2012)
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- ANSI/NSF 24-2020 (i11r1), NSF 24 - Plumbing System Components for Recreational Vehicles (revision of ANSI/NSF 24-2016)
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- ANSI/NSF 244-2018 (i11r15), Supplemental Microbiological Water Treatment Systems - Filtration (new standard)
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- ANSI/NSF 244-2018 (i2r1), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)
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- ANSI/NSF 244-2019 (i4r11), NSF 244 - Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018A)
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- ANSI/NSF 244-2019 (i5r1), Supplemental Microbiological Water Treatment Systems - Filtration (revision of ANSI/NSF 244-2018)
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- ANSI/NSF 244-2020 (i10r2), NSF/ANSI 244-2020: Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2020 (i11r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2020 (i8r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2020 (i9r1), NSF 244 - Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 244-2021 (i12r1), Supplemental Microbiological Water Treatment Systems – Filtration (revision of ANSI/NSF 244-2019)
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- ANSI/NSF 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 25-2017 (i11r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2012)
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ANSI/NSF 25-2021 (i19r1), Vending Machines for Food and Beverages (revision of ANSI/NSF 25-2017)
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- ANSI/NSF 29-2017 (i5r2), NSF 29 - 2012 Detergent and Chemical Feeders for Commercial Spray-Type Dishwashing Machines (revision of ANSI/NSF 29-2012)
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- ANSI/NSF 29-2021 (i6r1), NSF 29 - Detergent and Chemical Feeders for Commercial Spray-Type Dishwashing Machines (revision of ANSI/NSF 29-2017)
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- ANSI/NSF 29-2021 (i7r1), Detergent and Chemical Feeders for Commercial Spray-Type Dishwashing Machines (revision of ANSI/NSF 29-2017)
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- ANSI/NSF 3-2017 (i12r1), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2012)
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- ANSI/NSF 3-2019 (i16r1), NSF 3 - Commercial Warewashing Equipment (revision of ANSI/NSF 3-2017)
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- ANSI/NSF 3-2021 (i15r4), NSF 3 - Commercial Warewashing Equipment (revision of ANSI/NSF 3-2018)
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- ANSI/NSF 3-2021 (i20r2), Commercial Warewashing Equipment (revision of ANSI/NSF 3-2019)
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- ANSI/NSF 3-A 14159-1-2014 (i4r1), Hygiene Requirements for the Design of Meat and Poultry Processing Equipment (revision of ANSI/NSF 3-A 14159-1-2010)
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- ANSI/NSF 3-A 14159-2-2014 (i5r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-2-2010)
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- ANSI/NSF 3-A 14159-2-2019 (i8r1), Hygiene Requirements for the Design of Hand Held Tools Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-2-2014)
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- ANSI/NSF 3-A 14159-3-2014 (i6r1), Hygiene Requirements for the Design of Mechanical Belt Conveyors Used in Meat and Poultry Processing (revision of ANSI/NSF 3-A 14159-3-2010)
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### ANSI/NSF 342-2019 (i10r2), Sustainability assessment for wallcovering products  
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### ANSI/NSF 347-2018 (i5r2), Sustainability Assessment for Single Ply Roofing  
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### ANSI/NSF 35-2012 (i6), High pressure decorative laminates (HPDL) for surfacing food service equipment  
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### ANSI/NSF 35-2020 (i10r1), NSF 35 - High Pressure Decorative Laminates for Surfacing Food Service Equipment  
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### ANSI/NSF 35-2020 (i9r1), NSF 35 - High Pressure Decorative Laminates for Surfacing Food Service Equipment  
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### ANSI/NSF 350-1-2017 (i7r1), NSF 350-1 Onsite residential and commercial greywater treatment systems for subsurface discharge  
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### ANSI/NSF 350-2015 (i6r1), Wastewater treatment systems - Onsite residential and commercial water reuse treatment systems  
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### ANSI/NSF 350-2016 (i11r1), Onsite residential and commercial water reuse treatment systems  
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### ANSI/NSF 350-2017 (i15r1), Onsite Residential and Commercial Water Reuse Treatment Systems  
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### ANSI/NSF 350-2017 (i16r1), Onsite Residential and Commercial Water Reuse Treatment Systems  
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### ANSI/NSF 350-2017 (i18r2), NSF 350 Onsite Residential and Commercial Water Reuse Treatment Systems  
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### ANSI/NSF 350-2017 (i19r1), NSF/ANSI 350 - Onsite Residential and Commercial Water Reuse Treatment Systems  
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### ANSI/NSF 350-2017 (i20r1), NSF/ANSI 350 - Onsite Residential and Commercial Water Reuse Treatment Systems  
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<td>ANSI/NSF 350-2018 (i31r1), Onsite residential and commercial, water reuse treatment systems (revision of ANSI/NSF 350-2017)</td>
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- ANSI/NSF 358-1-2021 (i5r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)
  Public Review Date: Jun 18, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/NSF 358-1-2021 (i6r1), Polyethylene Pipe and Fittings for Water-Based Ground-Source Geothermal Heat Pump Systems (revision of ANSI/NSF 358-1-2020)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 29, 2021 | Approved

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- ANSI/NSF 358-3-2016 (i1r2), Cross-Linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-source (Geothermal) Heat Pump Systems (new standard)
  PINS Date: Mar 27, 2009 | Public Review Date: Feb 26, 2016 | Final Action Date: Jun 9, 2016 | Approved

- ANSI/NSF 358-3-2016 (i2r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3)
  Public Review Date: Sep 2, 2016 | Final Action Date: Oct 2, 2016 | Approved

- ANSI/NSF 358-3-2021 (i3r1), Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems (revision of ANSI/NSF 358-3-2016)
  Public Review Date: May 28, 2021 | Final Action Date: Jun 27, 2021 | Approved
NSF (NSF International)

- 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 359-2016 , Valves for crosslinked polyethylene (PEX) water distribution tubing systems (reaffirmation of ANSI/NSF 359-2011)
  Public Review Date: Jul 1, 2016 | Final Action Date: Aug 15, 2016 | Approved

  Public Review Date: Dec 1, 2017 | Final Action Date: Jan 5, 2018 | Approved

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- ANSI/NSF 360-2014 (i2r1), Field Performance Verification (revision of ANSI/NSF 360-2010)
  Public Review Date: Jun 27, 2014 | Final Action Date: Oct 27, 2014 | Approved

- ANSI/NSF 360-2019 (i4r1), Wastewater Treatment Systems – Field Performance Verification (revision of ANSI/NSF 360-2014)
  Public Review Date: Mar 8, 2019 | Final Action Date: Apr 7, 2019 | Approved

- ANSI/NSF 363-2016 (i2r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  PINS Date: Sep 11, 2009 | Public Review Date: Jun 17, 2016 | Final Action Date: Jul 19, 2016 | Approved

- ANSI/NSF 363-2016 (i3r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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- 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 363-2016 (i7r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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- ANSI/NSF 363-2016 (i8r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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- ANSI/NSF 363-2016 (i9r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
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NSF (NSF International)

- ANSI/NSF 363-2017 (i10r1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients (revision of ANSI/NSF 363-2014)
  Public Review Date: Nov 4, 2016 | Final Action Date: Jan 9, 2017 | Approved

- ANSI/NSF 37-2017 (i6r6), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2012)
  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 1, 2017 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Nov 11, 2020 | Approved

- ANSI/NSF 37-2021 (i7r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)
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- ANSI/NSF 37-2021 (i9r1), Air Curtain for Entranceways for Food and Food Service Establishments (revision of ANSI/NSF 37-2017)
  Public Review Date: Mar 26, 2021 | Final Action Date: Apr 25, 2021 | Approved

- ANSI/NSF 372-2016 (i4r1), Drinking Water System Components - Lead Content (revision of ANSI/NSF 372-2011)
  Public Review Date: Feb 26, 2016 | Final Action Date: Mar 27, 2016 | Approved

- ANSI/NSF 375-2015 (i1r2), Sustainability Assessment for Water Contact Products (new standard)
  PINS Date: Apr 16, 2010 | Public Review Date: Sep 12, 2014 | Final Action Date: Apr 1, 2015 | Approved

- ANSI/NSF 385-2019 (i1r11), NSF 385 - Disinfection Mechanics (new standard)
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- ANSI/NSF 391.1-2019 (i1r2), General Sustainability Assessment Criteria for Professional Services (new standard)
  PINS Date: Jan 28, 2011 | Public Review Date: Jun 29, 2018 | Final Action Date: Jan 29, 2019 | Approved

- ANSI/NSF 4-2016 (i18r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)
  Public Review Date: Mar 4, 2016 | Final Action Date: Apr 22, 2016 | Approved

- ANSI/NSF 4-2016 (i23r1), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)
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- ANSI/NSF 4-2016 (i24r4), Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transportation Equipment (revision of ANSI/NSF 4-2014)
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- ANSI/NSF 40-2021 (i36r1), NSF 40 Residential Wastewater Treatment Systems (revision of ANSI/NSF 40-2018)
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- ANSI/NSF 401-2016, Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014 (i1r2.1))
  Public Review Date: Jan 29, 2016 | Final Action Date: Mar 3, 2016 | Approved

- ANSI/NSF 401-2016 (i3r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)
  Public Review Date: May 6, 2016 | Final Action Date: Jun 8, 2016 | Approved

- ANSI/NSF 401-2016 (i6r1), NSF 401-2016 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)
  Public Review Date: Aug 5, 2016 | Final Action Date: Sep 19, 2016 | Approved

- ANSI/NSF 401-2016 (i7r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2014)
  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 29, 2016 | Approved

- ANSI/NSF 401-2017 (i5r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2016)
  Public Review Date: Oct 28, 2016 | Final Action Date: Jan 12, 2017 | Approved

- ANSI/NSF 401-2017 (i8r1), Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2016)
  Public Review Date: May 12, 2017 | Final Action Date: Jun 13, 2017 | Approved

- ANSI/NSF 401-2017 (i9), NSF/ANSI 401 Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401 2017)
  Public Review Date: Sep 8, 2017 | Final Action Date: Oct 27, 2017 | Approved

- ANSI/NSF 401-2018 (i10r2), NSF 401 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2017a)
  Public Review Date: Jun 22, 2018 | Final Action Date: Jul 31, 2018 | Approved

- ANSI/NSF 401-2018 (i11r1), NSF 401 - Drinking water treatment units - Emerging compounds/incidental contaminants (revision of ANSI/NSF 401-2018)
  Public Review Date: Jul 13, 2018 | Final Action Date: Aug 13, 2018 | Approved

- ANSI/NSF 401-2018 (i13r1), Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2017a)
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- ANSI/NSF 401-2019 (i14r1), NSF 401 - Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2018)
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- ANSI/NSF 401-2020 (i16r1), NSF 401-2020: Drinking Water Treatment Units - Emerging Compounds / Incidental Contaminants (revision of ANSI/NSF 401-2019)
  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 17, 2020 | Approved

- 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)
  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 25, 2020 | Approved

- 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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- 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 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 419-2015 (i1r3), Public Drinking Water Equipment Performance - Filtration (new standard)
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- ANSI/NSF 42-2014 (i79r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2013)
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- ANSI/NSF 42-2014 (i80r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2013)
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- ANSI/NSF 42-2015 (i73r5), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i82r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i83r2), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i84), Drinking Water Treatment Systems - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2015 (i85), Drinking Water Treatment Systems - Aesthetic Effects (revision of ANSI/NSF 42-2014)
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- ANSI/NSF 42-2016 (i75r1), Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
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- ANSI/NSF 42-2016 (i92r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2015)
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- ANSI/NSF 42-2017 (i90r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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- ANSI/NSF 42-2017 (i93r1), NSF 42-2016 - Drinking Water Treatment Units - Aesthetic Effects (revision of ANSI/NSF 42-2016)
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ANSI/NSF 426-2018 (i5r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers  (revision of ANSI/NSF 426i5r1)
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ANSI/NSF 426-2019 (i8r1), Environmental Leadership and Corporate Social Responsibility Assessment of Servers  (revision of ANSI/NSF 426-2018)
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ANSI/NSF 437-2021 (i1r2), Glossary of Wastewater Technology Terminology  (new standard)
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ANSI/NSF 44-2014 (i35), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2012 (i34))
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ANSI/NSF 44-2014 (i36r1), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2013)
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ANSI/NSF 44-2015 (i37r1), Residential Cation Exchange Water Softeners  (revision of ANSI/NSF 44-2014)
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NSF (NSF International)

  Public Review Date: Oct 2, 2020 | Final Action Date: Nov 1, 2020 | Approved

  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

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- ANSI/NSF 455-2-2021 (i18r1), Good Manufacturing Practices for Dietary Supplements (revision of ANSI/NSF 455-2-2020)
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# NSF (NSF International)

- ANSI/NSF 455-3-2018 (i9r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
  Public Review Date: Aug 31, 2018 | Final Action Date: Sep 30, 2018 | Approved

- ANSI/NSF 455-3-2019 (i15r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
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- ANSI/NSF 455-3-2019 (i16r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
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- ANSI/NSF 455-3-2019 (i18r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
  Public Review Date: Sep 6, 2019 | Final Action Date: Dec 4, 2019 | Approved

- ANSI/NSF 455-3-2019 (i19r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
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- ANSI/NSF 455-3-2019 (i20r1), NSF 455-3 - Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
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- ANSI/NSF 455-3-2020 (i21r1), NSF 455-3: Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2018)  
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- ANSI/NSF 455-3-2021 (i22r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Jan 8, 2021 | Final Action Date: Feb 10, 2021 | Approved

- ANSI/NSF 455-3-2021 (i23r2), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
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- ANSI/NSF 455-3-2021 (i24r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
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- ANSI/NSF 455-3-2021 (i25r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 4, 2021 | Approved

- ANSI/NSF 455-3-2021 (i26r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Apr 30, 2021 | Final Action Date: Jun 5, 2021 | Approved

- ANSI/NSF 455-3-2021 (i27r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Jan 8, 2021 | Final Action Date: Feb 10, 2021 | Approved

- ANSI/NSF 455-3-2021 (i28r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Jul 9, 2021 | Final Action Date: Aug 8, 2021 | Approved

- ANSI/NSF 455-3-2021 (i29r1), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Jul 2, 2021 | Final Action Date: Aug 9, 2021 | Approved

- ANSI/NSF 455-3-2021 (i33r2), Good Manufacturing Practices for Cosmetics  
  (revision of ANSI/NSF 455-3-2019)  
  Public Review Date: Sep 10, 2021 | Final Action Date: Oct 10, 2021 | Approved

- ANSI/NSF 455-3-2021 (i35r1), Good Manufacturing Practices for Cosmetics  
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  Public Review Date: Jun 4, 2021 | Final Action Date: Jul 6, 2021 | Approved
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NSF (NSF International)

- ANSI/NSF 46-2017 (i29r1), Evaluation of components and devices used in wastewater treatment systems (revision of ANSI/NSF 46-2016)
  Public Review Date: Feb 10, 2017 | Final Action Date: Mar 12, 2017 | Approved

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

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

  Public Review Date: Feb 7, 2020 | Final Action Date: Mar 10, 2020 | Approved

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- ANSI/NSF 46-2021 (i37r1), Evaluation of Components and Devices Used in Wastewater Treatment Systems (revision of ANSI/NSF 46-2020)
  Public Review Date: Nov 27, 2020 | Final Action Date: Jan 7, 2021 | Approved

- ANSI/NSF 49-2014 (i48r7), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
  Public Review Date: Mar 21, 2014 | Final Action Date: Oct 17, 2014 | Approved

- ANSI/NSF 49-2014 (i52r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
  Public Review Date: Nov 22, 2013 | Final Action Date: Oct 17, 2014 | Approved

- ANSI/NSF 49-2014 (i53r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
  Public Review Date: Mar 21, 2014 | Final Action Date: Oct 17, 2014 | Approved

- ANSI/NSF 49-2014 (i55r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
  Public Review Date: Apr 11, 2014 | Final Action Date: Oct 17, 2014 | Approved

- ANSI/NSF 49-2014 (i72r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2012)
  Public Review Date: Sep 26, 2014 | Final Action Date: Nov 10, 2014 | Approved

- ANSI/NSF 49-2016 (i45r4), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 29, 2016 | Approved
NSF (NSF International)

- ANSI/NSF 49-2016 (i56r2), Biosafety Cabinetry: Design, Construction, Performance, and Field (revision of ANSI/NSF 49-2014)
  Public Review Date: Jul 31, 2015 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/NSF 49-2016 (i76r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014 and BSR/NSF 49-201x (i76r1))
  Public Review Date: May 13, 2016 | Final Action Date: Jun 24, 2016 | Approved

- ANSI/NSF 49-2016 (i78r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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- ANSI/NSF 49-2016 (i79r2), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
  Public Review Date: Jul 15, 2016 | Final Action Date: Aug 14, 2016 | Approved

- ANSI/NSF 49-2016 (i81r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
  Public Review Date: Apr 15, 2016 | Final Action Date: Jun 1, 2016 | Approved

- ANSI/NSF 49-2016 (i86r1), NSF 49 - 2016 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2014)
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  Public Review Date: Dec 15, 2017 | Final Action Date: Mar 16, 2018 | Approved

- ANSI/NSF 49-2018 (i105r3), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
  Public Review Date: Dec 29, 2017 | Final Action Date: Mar 23, 2018 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Sep 19, 2018 | Approved

- ANSI/NSF 49-2018 (i109r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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  Public Review Date: Jun 29, 2018 | Final Action Date: Aug 1, 2018 | Approved

- ANSI/NSF 49-2018 (i111r2), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
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- ANSI/NSF 49-2018 (i117r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
  Public Review Date: Jan 19, 2018 | Final Action Date: Apr 2, 2018 | Approved

  Public Review Date: Aug 3, 2018 | Final Action Date: Sep 2, 2018 | Approved

- ANSI/NSF 49-2018 (i121r1), NSF 49 - Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
  Public Review Date: Apr 27, 2018 | Final Action Date: May 28, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Jul 17, 2018 | Approved

  Public Review Date: Jun 15, 2018 | Final Action Date: Jul 17, 2018 | Approved

  Public Review Date: Sep 15, 2017 | Final Action Date: Mar 2, 2018 | Approved

  Public Review Date: Aug 17, 2018 | Final Action Date: Sep 18, 2018 | Approved

  Public Review Date: Aug 24, 2018 | Final Action Date: Sep 25, 2018 | Approved

  Public Review Date: Jan 4, 2019 | Final Action Date: Aug 19, 2019 | Approved
### ANSI/NSF 49-2019 (i122r2), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
- Public Review Date: Dec 28, 2018 | Final Action Date: Aug 12, 2019 | Approved

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

### ANSI/NSF 49-2019 (i132r2), Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2016)
- Public Review Date: Nov 23, 2018 | Final Action Date: Aug 5, 2019 | Approved

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### ANSI/NSF 49-2019 (i146r1), NSF 49 - Biosafety Cabinetry - Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2018)
- Public Review Date: Jun 21, 2019 | Final Action Date: Aug 1, 2019 | Approved

- Public Review Date: Jun 21, 2019 | Final Action Date: Sep 2, 2019 | Approved

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

- Public Review Date: May 29, 2020 | Final Action Date: Sep 1, 2020 | Approved

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- Public Review Date: Dec 20, 2019 | Final Action Date: Feb 3, 2020 | Approved

### ANSI/NSF 49-2020 (i151r1), Biosafety Cabinetry: Design, Construction, Performance, and Field Certification (revision of ANSI/NSF 49-2019)
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**NSF (NSF International)**

  Public Review Date: Aug 14, 2020 | Final Action Date: Sep 17, 2020 | Approved

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  Public Review Date: Aug 7, 2020 | Final Action Date: Sep 6, 2020 | Approved

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  Public Review Date: Dec 18, 2020 | Final Action Date: Jan 27, 2021 | Approved

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

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

- ANSI/NSF 5-2019 (i10r1), NSF 5 - Water Heaters, Hot Water Supply Boilers, and Heat Recovery Equipment (revision of ANSI/NSF 5-2016)
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- ANSI/NSF 50-2015 (i100r1), Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2014)
  Public Review Date: Feb 27, 2015 | Final Action Date: Jul 15, 2015 | Approved
<p>| 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) | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 17, 2017 | Approved |
| ANSI/NSF 50-2018 (i111r2), NSF/ANSI 50 - Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016) | Public Review Date: Jan 26, 2018 | Final Action Date: Feb 26, 2018 | Approved |
| ANSI/NSF 50-2018 (i126r1), NSF/ANSI 50 Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Water Facilities (revision of ANSI/NSF 50-2016) | Public Review Date: Jan 20, 2017 | Final Action Date: Mar 13, 2018 | Approved |
| 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 |</p>
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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 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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- ANSI/NSF 6-2018 (i13r2), NSF/ANSI 6 - Dispensing Freezers (revision of ANSI/NSF 6-2016)
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- ANSI/NSF 6-2018 (i14r3), NSF 6 - Dispensing Freezers (revision of ANSI/NSF 6-2016)
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- ANSI/NSF 6-2021 (i15r1), NSF 6 - Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 6-2021 (i16r1), NSF 6 - Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 6-2021 (i17r1), Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 6-2021 (i18r1), Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 6-2021 (i19r1), Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 6-2021 (i20r1), Dispensing Freezers (revision of ANSI/NSF 6-2018)
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- ANSI/NSF 60-2014 (i64r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 60-2013)
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- ANSI/NSF 60-2014 (i65r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 60-2013)
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- ANSI/NSF 60-2015 (i68r1), Drinking Water Treatment Chemicals - Health Effects (revision of ANSI/NSF 60-2014a)
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- ANSI/NSF 60-2015 (i69), Drinking Water Treatment Chemicals: Health Effects (revision of ANSI/NSF 60-2014a)
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- ANSI/NSF 60-2016 (i66r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2015)
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- ANSI/NSF 60-2016 (i70r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2014a)
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- ANSI/NSF 60-2016 (i71r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2014a)
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- ANSI/NSF 60-2016 (i72r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2015)
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- ANSI/NSF 60-2016 (i73r1), Drinking Water Treatment Chemicals (revision of ANSI/NSF 60-2015)
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- ANSI/NSF 61-2016 (i128), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2014a)
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- ANSI/NSF 61-2016 (i129), Drinking Water System Components - Health Effects (revision of ANSI/NSF 61-2015 (i125))
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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 61-2017 (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 (i137r1), NSF 61-2016 - Drinking Water System Components - Health effects (revision of ANSI/NSF 61-2016)
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- ANSI/NSF 61-2017 (i137r2), NSF 61-2016 - 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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- ANSI/NSF 7-2016 (i10r5), Commercial Refrigerators and Freezers  (revision of ANSI/NSF 7-2014)
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- ANSI/NSF 7-2016 (i15r1), Commercial Refrigerators and Freezers  (revision of ANSI/NSF 7-2014)
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- ANSI/NSF 7-2016 (i9r1), Commercial Refrigerators and Freezers  (revision of ANSI/NSF 7-2014)
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  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 20, 2021 | Approved

- ANSI/NSF/CAN 60-2021 (i94r1), Drinking Water Treatment Chemicals – Health Effects (revision of ANSI/NSF/CAN 60-2020)
  Public Review Date: Feb 19, 2021 | Final Action Date: Apr 16, 2021 | Approved

- ANSI/NSF/CAN 600-2018 (i1r1), NSF 600 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water (new standard)
  PINS Date: Jun 1, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 15, 2018 | Approved
NSF (NSF International)

- ANSI/NSF/CAN 600-2018 (i2r1), Health Effects Evaluation and Criteria for Chemicals in Drinking Water  (revision of ANSI/NSF 600-2018 (i1r1))
  Public Review Date: Nov 16, 2018 | Final Action Date: Dec 31, 2018 | Approved

  Public Review Date: Apr 26, 2019 | Final Action Date: Jun 15, 2019 | Approved

  Public Review Date: Apr 19, 2019 | Final Action Date: Jun 6, 2019 | Approved

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

- ANSI/NSF/CAN 600-2021 (i6r1), 600-2021 Addendum  (addenda to ANSI/NSF/CAN 600-2021)
  Public Review Date: Aug 13, 2021 | Final Action Date: Sep 27, 2021 | Approved

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  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 24, 2019 | Approved

  Public Review Date: May 31, 2019 | Final Action Date: Sep 11, 2019 | Approved

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

  Public Review Date: May 31, 2019 | Final Action Date: Jul 21, 2019 | Approved

  Public Review Date: Mar 8, 2019 | Final Action Date: Jun 12, 2019 | Approved

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### NSF (NSF International)

  - Public Review Date: Nov 29, 2019 | Final Action Date: May 29, 2020 | Approved

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  - Public Review Date: Apr 3, 2020 | Final Action Date: Jun 17, 2020 | Approved

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  - Public Review Date: Feb 19, 2021 | Final Action Date: Apr 14, 2021 | Approved

  - Public Review Date: Jul 28, 2021 | Final Action Date: Sep 8, 2021 | Approved

- **ANSI/NSF/IPEC 363-2014 (i1), Good Manufacturing Practices (GMP) for Pharmaceutical Excipients** (new standard)
  - Public Review Date: Oct 3, 2014 | Final Action Date: Nov 17, 2014 | Approved

- **ANSI/NSF/IPEC 363-2019 (i14r1), Good Manufacturing Practices(GMP) for Pharmaceutical Excipients** (revision of ANSI/NSF/IPEC 363-2014)
  - Public Review Date: Jul 5, 2019 | Final Action Date: Sep 20, 2019 | Approved

  - PINs Date: Jan 26, 2001 | Public Review Date: May 18, 2001 | Final Action Date: Aug 3, 2001 | Approved

  - PINs Date: Jan 26, 2001 | Public Review Date: May 18, 2001 | Final Action Date: Aug 3, 2001 | Approved

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  - Public Review Date: Sep 4, 2020 | Final Action Date: Oct 4, 2020 | Approved
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OEOSC (ASC OP) (Optics and Electro-Optics Standards Council)

- ANSI/OEOSC OP1.0110-10-2014, Standard for Optics and Electro-Optical Instruments - Preparation of drawings for optical elements and systems - Part:10 Table representing data of optical elements and cemented assemblies (national adoption with modifications of ISO 10110-10)
  PINS Date: Jul 9, 2010 | Public Review Date: Oct 31, 2014 | Final Action Date: Dec 18, 2014 | Approved

- ANSI/OEOSC OP1.0110-12-2014, Optics and Electro-Optical Instruments - Preparation of Drawings for Optical Elements and Systems - Part 12: Aspheric Surfaces (national adoption with modifications of ISO 10110-12)
  PINS Date: Jul 9, 2010 | Public Review Date: Feb 8, 2013 | Final Action Date: Oct 31, 2014 | Approved

  PINS Date: Jun 24, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 30, 2015 | Approved

  PINS Date: Jun 24, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved

- ANSI/OEOSC OP1.0110-9-2015, Standard for Optics and Photonics - Preparation of Drawings for Optical Elements and Systems - Part 9: Surface treatment and coatings (national adoption with modifications of ISO 10110-9)
  PINS Date: Jun 24, 2011 | Public Review Date: Mar 28, 2014 | Final Action Date: Dec 30, 2015 | Approved

- ANSI/OEOSC OP1.9211-4-2014, Standard for Optics and Photonics - Optical Coatings - Part 4: Specific Test Methods (national adoption with modifications of ISO 9211-4)
  PINS Date: Jan 18, 2013 | Public Review Date: Jan 3, 2014 | Final Action Date: Dec 18, 2014 | Approved

  Public Review Date: Jan 3, 2014 | Final Action Date: Dec 17, 2014 | Approved

OIX (Open-IX Association)

340 South Lemon Avenue #7988, Walnut, CA 91789 | w: http://www.open-ix.org

- ANSI/OIX 1-2020, Open-IX Certified Internet Exchange (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Jul 23, 2020 | Approved

- ANSI/OIX 2-2020, Data Center Technical Standard (new standard)
  PINS Date: Oct 5, 2018 | Public Review Date: Jan 11, 2019 | Final Action Date: Aug 26, 2020 | Approved

- ANSI/OIX 3-2021, Edge Technical Standard (new standard)
  PINS Date: Mar 5, 2021 | Public Review Date: Apr 23, 2021 | Final Action Date: Jun 10, 2021 | Approved

OPEI (Outdoor Power Equipment Institute)

1605 King Street, Alexandria, VA 22314 | w: www.opei.org

  PINS Date: Aug 16, 2013 | Public Review Date: Jun 7, 2019 | Final Action Date: Sep 5, 2019 | Approved

  PINS Date: Jun 19, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Oct 6, 2020 | Approved
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PHTA (Pool and Hot Tub Alliance)

  PINS Date: Apr 17, 2020 | Public Review Date: Jun 4, 2021 | Final Action Date: Aug 2, 2021 | Approved

  PINS Date: Sep 6, 2019 | Public Review Date: Oct 2, 2020 | Final Action Date: Nov 19, 2020 | Approved

PLASTICS (Plastics Industry Association)

  PINS Date: Feb 10, 2012 | Public Review Date: Nov 18, 2016 | Final Action Date: Jan 6, 2017 | Approved

- ANSI/PLASTICS B151.11-2021, Safety Requirements for Granulators, Strand Pelletizers and Dicers Used for Size Reduction of Plastics (new standard)
  PINS Date: Jul 20, 2018 | Public Review Date: Jul 17, 2020 | Final Action Date: Apr 12, 2021 | Approved

- ANSI/PLASTICS B151.20-2013 (R2018), Safety Requirements for Plastic Sheet Production Machinery (reaffirmation and redesignation of ANSI/SPI B151.20-2013)
  Public Review Date: Oct 12, 2018 | Final Action Date: Feb 27, 2019 | Approved

  PINS Date: Nov 1, 2019 | Public Review Date: Oct 9, 2020 | Final Action Date: Mar 8, 2021 | Approved

- ANSI/PLASTICS B151.31-2014 (R2020), Safety Requirements for the Manufacture and Use of Blow Molding Machines (reaffirmation and redesignation of ANSI/SPI B151.31-2014)
  Public Review Date: Mar 15, 2019 | Final Action Date: Jun 18, 2020 | Approved

- ANSI/PLASTICS B151.5-2020, Safety Requirements for Plastic Film and Sheet Winding and Unwinding Machinery (new standard)
  PINS Date: Jul 20, 2018 | Public Review Date: Feb 15, 2019 | Final Action Date: Mar 5, 2020 | Approved

- ANSI/PLASTICS B151.7-2013 (R2021), Safety Requirements for Extrusion Machines (reaffirmation and redesignation of ANSI/SPI B151.7-2013)
  PINS Date: Jan 18, 2019 | Public Review Date: Mar 5, 2021 | Final Action Date: Sep 24, 2021 | Approved

PLATO (Portable Lights American Trade Organization)

- ANSI/PLATO FL 1-2019, Flashlight Basic Performance Standard (revision of ANSI/PLATO FL 1-2016)
  PINS Date: Feb 23, 2018 | Public Review Date: Jul 19, 2019 | Final Action Date: Sep 23, 2019 | Approved

PMI (Organization) (Project Management Institute)

  PINS Date: Feb 6, 2015 | Public Review Date: May 5, 2017 | Final Action Date: Jul 21, 2017 | Approved

  PINS Date: Oct 30, 2015 | Public Review Date: Sep 13, 2019 | Final Action Date: Oct 29, 2019 | Approved

  PINS Date: Jul 5, 2019 | Public Review Date: Jun 12, 2020 | Final Action Date: Feb 16, 2021 | Approved
### PMI (Organization) (Project Management Institute)

  - PINS Date: Apr 3, 2015 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 18, 2017 | Approved

  - PINS Date: Oct 14, 2016 | Public Review Date: Aug 11, 2017 | Final Action Date: Oct 30, 2017 | Approved

### PMMI (Organization) (PMMI - The Association for Packaging and Processing Technologies)

- **ANSI/PMMI B155.1-2016, Safety Requirements for Packaging and Processing Machinery** (revision of ANSI/PMMI B155.1-2011)
  - PINS Date: Nov 6, 2015 | Public Review Date: Nov 9, 2018 | Final Action Date: Nov 18, 2016 | Approved

### PRCA (Professional Ropes Course Association)

- **ANSI/PRCA 1.0-3-2014, Ropes Challenge Course Installation, Operation & Training Standards** (new standard)
  - PINS Date: Dec 23, 2005 | Public Review Date: Oct 21, 2011 | Final Action Date: Mar 3, 2014 | Approved

### PSAI (Portable Sanitation Association International)

  - PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

- **ANSI/PSAI Z4.4-2016, Sanitation in Fields and Temporary Labor Camps: Minimum Requirements** (new standard)
  - PINS Date: Dec 13, 2013 | Public Review Date: Jan 29, 2016 | Final Action Date: May 19, 2016 | Approved

### RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)

  - PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Nov 5, 2019 | Approved

  - PINS Date: May 26, 2017 | Public Review Date: Nov 24, 2017 | Final Action Date: May 4, 2018 | Approved

- **ANSI/RESNA AT-1-Section 4-2021, RESNA Standard for Assistive Technology for Air Travel – Volume 1 Requirements and Test Methods Related to Mobility Devices** (new standard)
  - PINS Date: Sep 18, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Sep 16, 2021 | Approved

  - PINS Date: Aug 19, 2016 | Public Review Date: Aug 10, 2018 | Final Action Date: Oct 19, 2018 | Approved

  - PINS Date: Jan 25, 2019 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 3, 2019 | Approved

  - PINS Date: Sep 4, 2020 | Public Review Date: Oct 16, 2020 | Final Action Date: Dec 21, 2020 | Approved
**RESNA (Rehabilitation Engineering and Assistive Technology Society of North America)**

  (revision of ANSI/RESNA SS-1-2014)  
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  (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.)**

  (new standard)  
  PINS Date: Nov 20, 2015 | Public Review Date: Jun 24, 2016 | Final Action Date: Oct 14, 2016 | Approved

- **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: Sep 28, 2018 | Final Action Date: Dec 14, 2018 | Approved

  (addenda to ANSI/RESNET/ICC 301-2019)  
  Public Review Date: Jun 21, 2019 | Final Action Date: Aug 19, 2019 | Approved

  (addenda to ANSI/RESNET/ICC 301-2019)  
  Public Review Date: Apr 24, 2020 | Final Action Date: Jul 21, 2020 | Approved
RESNET (Residential Energy Services Network, Inc.)

  PINS Date: Aug 10, 2012 | Public Review Date: Aug 21, 2015 | Final Action Date: Feb 4, 2016 | Approved

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  Public Review Date: Sep 7, 2018 | Final Action Date: Nov 20, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Jul 26, 2019 | Final Action Date: Mar 23, 2020 | Approved

RIC (Remanufacturing Industries Council)

- ANSI/RIC 001.2-2021, Specifications for the Process of Remanufacturing (revision of ANSI/RIC 001.1-2016)
  PINS Date: Oct 9, 2020 | Public Review Date: Jul 23, 2021 | Final Action Date: Oct 22, 2021 | Approved

ROHVA (Recreational Off-Highway Vehicle Association)

  PINS Date: Jun 19, 2015 | Public Review Date: Feb 19, 2016 | Final Action Date: Apr 18, 2016 | Approved

RVIA (Recreational Vehicle Industry Association)

- ANSI A119.5-2020, Park Model Recreational Vehicle Standard (revision of ANSI A119.5-2015)
  PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved

  PINS Date: Mar 10, 2017 | Public Review Date: Feb 16, 2018 | Final Action Date: May 2, 2018 | Approved

- ANSI/RVIA EXTLAD-1-2019, Recommended Practice Laboratory Test Procedures for Exterior Ladders on Recreational Vehicles (new standard)
  PINS Date: Jun 30, 2017 | Public Review Date: Jun 14, 2019 | Final Action Date: Jul 19, 2019 | Approved

  PINS Date: Nov 2, 2018 | Public Review Date: Oct 4, 2019 | Final Action Date: Jan 9, 2020 | Approved

- ANSI/RVIA RVEC-1-2021, Recommended Practice Testing Requirements of Exterior Components for Recreational Vehicles (new standard)
  PINS Date: Jun 5, 2020 | Public Review Date: May 28, 2021 | Final Action Date: Aug 9, 2021 | Approved

- ANSI/RVIA TSIC-1-2018, Recommended Practice Process Controls for Assembly of Wheels on Trailers (revision of ANSI/RVIA TSIC-1-2008 (R2013))
  PINS Date: May 5, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: Apr 10, 2018 | Approved
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<td>RVIA (Recreational Vehicle Industry Association)</td>
<td>ANSI/RVIA UPA-1-2019, Uniform Plan Approval Recreational Vehicles (revision of ANSI/RVIA UPA-1-2014)</td>
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<td>SAAMI (Sporting Arms and Ammunition Manufacturers Institute)</td>
<td>ANSI/SAAMI Z299.1-2015 (R2018), Voluntary Industry Performance Standards for Pressure and Velocity of Rimfire Sporting Ammunition for Use by Commercial Manufacturers (reaffirmation of ANSI/SAAMI Z299.1-2015)</td>
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<td>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)</td>
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<td>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)</td>
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<td>ANSI/SAIA A92.2-2021, Vehicle-Mounted Elevating and Rotating Aerial Devices (revision of ANSI/SIA A92.2-2015)</td>
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SAIA (ASC A92) (Scaffold & Access Industry Association)

- ANSI/SAIA A92.22-2021, Safe Use of Mobile Elevating Work Platforms (MEWPs) (revision of ANSI/SAIA A92.22-2020)
  PINS Date: Dec 18, 2020 | Public Review Date: Jan 22, 2021 | Final Action Date: Aug 5, 2021 | Approved

- ANSI/SAIA A92.24-2018, Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs) (new standard)
  PINS Date: Apr 16, 2010 | Public Review Date: Mar 24, 2017 | Final Action Date: Nov 20, 2018 | Approved

  PINS Date: Oct 14, 2005 | Public Review Date: Dec 20, 2013 | Final Action Date: Mar 4, 2014 | Approved

  Public Review Date: Dec 2, 2016 | Final Action Date: Jan 24, 2017 | Approved

SCTE (Society of Cable Telecommunications Engineers)

140 Phillips Road, Exton, PA 19341-1318 | w: www.scte.org

- ANSI/SCTE 01-2021, Specification for F Port, Female, Outdoor (revision of ANSI/SCTE 01-2015)
  PINS Date: Feb 28, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 02-2021, Specification for F Port, Female, Indoor (revision of ANSI/SCTE 02-2015)
  PINS Date: Feb 28, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jun 18, 2021 | Approved

- ANSI/SCTE 03-2016, Test Method for Coaxial Cable Structural Return Loss (new standard)
  PINS Date: Feb 15, 2013 | Public Review Date: Aug 31, 2018 | Final Action Date: Oct 25, 2018 | Approved

  PINS Date: Feb 17, 2012 | Public Review Date: Mar 21, 2014 | Final Action Date: May 13, 2014 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Jul 18, 2014 | Final Action Date: Sep 8, 2014 | Approved

  PINS Date: Feb 8, 2019 | Public Review Date: Mar 22, 2019 | Final Action Date: May 21, 2019 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Dec 17, 2018 | Approved

- ANSI/SCTE 09-2016, Test Method for Cold Bend (revision of ANSI/SCTE 09-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Sep 30, 2016 | Final Action Date: Nov 22, 2016 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Oct 24, 2014 | Final Action Date: Dec 12, 2014 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Jan 24, 2020 | Final Action Date: Apr 13, 2020 | Approved

- ANSI/SCTE 102-2016, Cable Retention Force Testing of Trunk & Distribution Connectors (revision of ANSI/SCTE 102-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Nov 25, 2016 | Final Action Date: Jan 11, 2017 | Approved

- 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)
  PINS Date: Dec 9, 2016 | Public Review Date: Mar 23, 2018 | Final Action Date: May 22, 2018 | Approved
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SCTE (Society of Cable Telecommunications Engineers)

- ANSI/SCTE 12-2018, Test Method for Center Conductor Bond to Dielectric for Trunk Feeder and Distribution Coaxial Cables (revision of ANSI/SCTE 12-2011)
  PINS Date: Dec 25, 2015 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Jan 11, 2019 | Final Action Date: Mar 8, 2019 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 17, 2021 | Approved

- ANSI/SCTE 124-2021, Specification for F Connector, Male, Pin Type (revision of ANSI/SCTE 124-2011)
  PINS Date: Dec 25, 2015 | Public Review Date: Apr 2, 2021 | Final Action Date: Jun 17, 2021 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Jan 25, 2019 | Final Action Date: Mar 14, 2019 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Jul 15, 2019 | Approved

  PINS Date: Jan 17, 2020 | Public Review Date: Feb 28, 2020 | Final Action Date: Nov 12, 2021 | Approved

  Public Review Date: Feb 7, 2020 | Final Action Date: Mar 30, 2020 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Nov 2, 2018 | Approved

  PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

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### SCTE (Society of Cable Telecommunications Engineers)

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  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 InterfacesPart 3Ad 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 InterfacesPart 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

  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

- **ANSI/SCTE 133-2017, Downstream RF Interface for Cable Modem Termination System (revision of ANSI/SCTE 133 -2010)**
  PINS Date: Apr 17, 2015 | Public Review Date: Jun 30, 2017 | Final Action Date: Aug 21, 2017 | Approved

  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
SCTE (Society of Cable Telecommunications Engineers)

  PINS Date: Apr 17, 2015 | Public Review Date: Jun 2, 2017 | Final Action Date: Jul 21, 2017 | Approved

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  PINS Date: Apr 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Apr 20, 2017 | Approved

- ANSI/SCTE 137-4-2017, Modular Head End Architecture Part 4: Edge Resource Manager Interface (revision of ANSI/SCTE 137-4-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Apr 20, 2017 | Approved

- ANSI/SCTE 137-5-2017, Modular Head End Architecture Part 5: Edge QAM Provisioning and Management Interface (revision of ANSI/SCTE 137-5-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Apr 20, 2017 | Approved

- ANSI/SCTE 137-6-2017, Modular Head End Architecture Part 6: Edge QAM Video Stream Interface (revision of ANSI/SCTE 137-6-2010)
  PINS Date: Apr 17, 2015 | Public Review Date: Mar 3, 2017 | Final Action Date: Apr 20, 2017 | Approved

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- ANSI/SCTE 140-2019, Cable Modem IPv4 and IPv6 eRouter Specification (revision of ANSI/SCTE 140-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: Apr 26, 2019 | Final Action Date: Jul 15, 2019 | Approved

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- ANSI/SCTE 146-2021, Outdoor F Female to F Female Inline Splice (revision of ANSI/SCTE 146-2017)
  PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 147-2010, Specification for 75 ohm Inline Attenuators (revision of ANSI/SCTE 147-2008)
  PINS Date: Nov 9, 2012 | Public Review Date: Apr 26, 2013 | Final Action Date: Jun 26, 2013 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 1, 2016 | Approved

- ANSI/SCTE 149-2019, Test Method for Withstand Tightening Torque - F Female (revision of ANSI/SCTE 149-2013)
  PINS Date: Mar 2, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jul 15, 2019 | Approved

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- ANSI/SCTE 151-2015, Mechanical, Electrical, and Environmental Requirements for RF Traps and Filters (revision of ANSI/SCTE 151-2008)
  PINS Date: Feb 15, 2013 | Public Review Date: Feb 6, 2015 | Final Action Date: Mar 30, 2015 | Approved

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  PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/SCTE 154-3-2018, Encoder MIB (revision of ANSI/SCTE 154-3-2008)
  PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/SCTE 154-4-2018, MPEG Management Information Base SCTE-HMS-MPEG MIB (revision of ANSI/SCTE 154-4-2008)
  PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: May 4, 2018 | Final Action Date: Jul 20, 2018 | Approved

- ANSI/SCTE 155-2021, Indoor F Female to F Female Inline Splice (revision of ANSI/SCTE 155-2017)
  PINS Date: Mar 6, 2020 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 22, 2021 | Approved

- ANSI/SCTE 156-2019, Specification for Mainline Plug (Male) to Cable Interface (revision of ANSI/SCTE 156-2016)
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- ANSI/SCTE 165-12-2016, IPCablecom 1.5 Part 12: PSTN Gateway Call Signaling Protocol (revision of ANSI/SCTE 165-12-2009)
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- ANSI/SCTE 165-14-2019, IPCablecom 1.5 Part 14: Embedded MTA Analog Interface and Powering (revision of ANSI/SCTE 165-14-2009)
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- ANSI/SCTE 165-16-2019, IPCablecom 1.5 Part 16: Management Event Mechanism (revision of ANSI/SCTE 165-16-2009)
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- ANSI/SCTE 165-2-2016, IPCablecom 1.5 Part 2: Audio/Video Codecs (revision of ANSI/SCTE 165-2-2009)
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- ANSI/SCTE 165-21-2016, IPCablecom 1.5 Part 21: Signaling Extension MIB (revision of ANSI/SCTE 165-21-2009)
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- ANSI/SCTE 165-3-2016, IPCablecom 1.5 Part 3: Network-Based Call Signaling Protocol (revision of ANSI/SCTE 165-3-2009)
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- ANSI/SCTE 165-5-2019, IPCablecom 1.5 Part 5: MTA Device Provisioning (revision of ANSI/SCTE 165-5-2009)
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- ANSI/SCTE 166-2020, Flexure Method for Drop Cable Conditioning (new standard)
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- ANSI/SCTE 168-4-2019, Recommended Practice for Transport Stream Verification Metrics (revision of ANSI/SCTE 168-4-2010)
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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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- ANSI/SCTE 173-1-2017, Requirements for Preferential Telecommunications over IPCablecom Networks (revision of ANSI/SCTE 173-1-2010)
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- 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

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- 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
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<td>ANSI/SCTE 197-2018, Recommendations for Spot Check Loudness Measurements  (revision of ANSI/SCTE 197-2013)</td>
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<td>ANSI/SCTE 200-2016, Specification for a 75 ohm 'MMCX' Connector (MMCX-75), Male &amp; Female Interface  (new standard)</td>
<td>PINS Date: Feb 8, 2013</td>
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ANSI/SCTE 214-3-2015, MPEG DASH for IP-Based Cable Services Part 3: DASH/FF Profile (new standard)
PINS Date: Mar 20, 2015 | Public Review Date: Sep 4, 2015 | Final Action Date: Oct 28, 2015 | Approved

ANSI/SCTE 214-4-2018, MPEG DASH for IP-Based Cable Services Part 4: CIF (Common Interface Format) (new standard)
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ANSI/SCTE 24-5-2016, 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 (revision of ANSI/SCTE 24-5-2009)
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- ANSI/SCTE 252-2018, Attenuation of Common Mode Filters (new standard)
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- ANSI/SCTE 259-01-2020, Enterprise SIP Gateway Specification (new standard)
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- ANSI/SCTE 259-02-2020, PacketCable High Definition Voice Specification (new standard)
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- ANSI/SCTE 259-03-2020, HDV NCS Specification (new standard)
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- ANSI/SCTE 259-04-2020, HDV Provisioning Specification (new standard)
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- ANSI/SCTE 259-05-2020, HDV SIP Specification (new standard)
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- ANSI/SCTE 260-1-2020, DPoE Architecture Specification (new standard)
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- ANSI/SCTE 260-2-2020, DPoE IP Network Element Requirements (new standard)
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- 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 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)  
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- 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)  
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- ANSI/SCTE 38-6-2017, Hybrid Fiber/Coax Outside Plant Status Monitoring - SCTE-HMS-GEN-MIB Management Information Base (MIB) Definition (revision of ANSI/SCTE 38-6-2012)  
  PINS Date: Nov 24, 2017 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Feb 15, 2013 | Public Review Date: Dec 22, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Dec 29, 2017 | Final Action Date: Feb 28, 2018 | Approved

  PINS Date: Dec 30, 2011 | Public Review Date: Oct 4, 2013 | Final Action Date: Dec 12, 2013 | Approved
SCTE (Society of Cable Telecommunications Engineers)

- 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

  PINS Date: Jan 15, 2021 | Public Review Date: Sep 3, 2021 | Final Action Date: Oct 25, 2021 | Approved

  PINS Date: Apr 17, 2015 | Public Review Date: Jul 27, 2018 | Final Action Date: Oct 18, 2018 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 18, 2017 | Approved

- ANSI/SCTE 46-2014 (R2021), Test Method for AC to DC Outdoor Power Supplies (reaffirmation of ANSI/SCTE 46-2014)
  PINS Date: Feb 26, 2021 | Public Review Date: Jun 11, 2021 | Final Action Date: Aug 5, 2021 | Approved

  PINS Date: Feb 3, 2012 | Public Review Date: Aug 7, 2015 | Final Action Date: Sep 29, 2015 | Approved

  PINS Date: Sep 14, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Jan 17, 2019 | Approved

  PINS Date: Aug 1, 2008 | Public Review Date: Jul 8, 2011 | Final Action Date: Aug 26, 2011 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: May 25, 2018 | Final Action Date: Feb 1, 2019 | Approved

  PINS Date: Mar 2, 2018 | Public Review Date: Sep 7, 2018 | Final Action Date: Oct 30, 2018 | Approved

- ANSI/SCTE 53-2019, Methods for Asynchronous Data Services Transport (new standard)
  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Nov 15, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Oct 15, 2020 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Jul 19, 2019 | Public Review Date: Sep 6, 2019 | Final Action Date: Oct 28, 2019 | Approved

  PINS Date: Dec 25, 2015 | Public Review Date: Aug 5, 2016 | Final Action Date: Nov 22, 2016 | Approved
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<td>ANSI/SCTE 59-2018</td>
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<td>Drop Passives: Matching Transformers 75 Ohm to 300 Ohm</td>
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<td>ANSI/SCTE 77-2017</td>
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  PINS Date: Feb 5, 2021 | Public Review Date: Jul 23, 2021 | Final Action Date: Sep 9, 2021 | Approved

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

- ANSI/SCTE 79-3-2017 (R2021), DOCSIS 2.0 + IPv6 Cable Modem Standard (reaffirmation of ANSI/SCTE 79-3-2017)
  PINS Date: Feb 5, 2021 | Public Review Date: Jul 9, 2021 | Final Action Date: Sep 9, 2021 | Approved

  PINS Date: Dec 9, 2016 | Public Review Date: Dec 14, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/SCTE 82-2012, Test Method for Low Frequency and Spurious Disturbances (revision of ANSI/SCTE 82-2007)
  PINS Date: Feb 17, 2012 | Public Review Date: Nov 9, 2012 | Final Action Date: Jan 23, 2013 | Approved

  PINS Date: Jul 14, 2017 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 83-4-2017, HMS Common Inside Plant Management Information Base (MIB) SCTE-HMS-HE_RF-MIB (revision of ANSI/SCTE 83-4-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

- ANSI/SCTE 84-3-2017, HMS Inside Plant Management Information Base (MIB) SCTE-HMS-HE-FAN-MIB (revision of ANSI/SCTE 84-3-2009)
  PINS Date: Apr 24, 2015 | Public Review Date: Sep 8, 2017 | Final Action Date: Mar 1, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved
## SCTE (Society of Cable Telecommunications Engineers)

- **ANSI/SCTE 86-2021**, SCTE Recommended Optical Fiber Cable Types for Outside Plant Trunk and Distribution Applications  (new standard)
  - PINS Date: Apr 17, 2015 | Public Review Date: Apr 16, 2021 | Final Action Date: Jun 18, 2021 | Approved

  - PINS Date: Jul 26, 2013 | Public Review Date: Sep 1, 2017 | Final Action Date: Oct 20, 2017 | Approved

  - PINS Date: Dec 30, 2011 | Public Review Date: Jan 25, 2013 | Final Action Date: Mar 14, 2013 | Approved

  - PINS Date: Dec 6, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Jun 4, 2015 | Approved

  - PINS Date: Dec 9, 2016 | Public Review Date: Nov 10, 2017 | Final Action Date: Jan 17, 2018 | Approved

  - PINS Date: Dec 30, 2011 | Public Review Date: Apr 19, 2013 | Final Action Date: Jun 12, 2013 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 6, 2018 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: Oct 20, 2017 | Final Action Date: Feb 14, 2018 | Approved

  - PINS Date: Apr 24, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Dec 6, 2018 | Approved

- **ANSI/SCTE 96-2020**, Cable Telecommunications Testing Guidelines  (revision of ANSI/SCTE 96-2013)
  - PINS Date: Sep 7, 2018 | Public Review Date: Apr 10, 2020 | Final Action Date: Jun 8, 2020 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Oct 30, 2020 | Final Action Date: Jan 7, 2021 | Approved

  - PINS Date: Sep 7, 2018 | Public Review Date: Jul 5, 2019 | Final Action Date: Aug 20, 2019 | Approved

## SDI (ASC A250) (Steel Door Institute)

30200 Detroit Road, Westlake, OH  44145 | w: www.wherryassocsteeldoor.org

- **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 A250.11-2012**, Recommended Erection Instructions for Steel Frames  (new standard)
  - Public Review Date: Sep 30, 2011 | Final Action Date: Jan 17, 2012 | Approved

  - PINS Date: Jul 22, 2016 | Public Review Date: Aug 16, 2019 | Final Action Date: Nov 14, 2019 | Approved

- **ANSI A250.4-2018**, Test Procedure and Acceptance Criteria for - Physical Endurance for Steel Doors, Frames and Frame Anchors  (revision of ANSI A250.4-2011)
  - PINS Date: Jul 22, 2016 | Public Review Date: Apr 27, 2018 | Final Action Date: Jul 10, 2018 | Approved
**SDI (ASC A250) (Steel Door Institute)**

- ANSI A250.6-2020, Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames (revision of ANSI A250.6-2015)
  
PINS Date: Feb 21, 2020 | Public Review Date: Jul 3, 2020 | Final Action Date: Aug 18, 2020 | Approved

- ANSI A250.8-2017, Specifications for Standard Steel Doors and Frames (SDI-100) (revision of ANSI A250.8-2014)
  
PINS Date: May 19, 2017 | Public Review Date: Jun 23, 2017 | Final Action Date: Aug 22, 2017 | Approved

- ANSI/BHMA A156.115-2016, Hardware Preparation In Steel Doors And Steel Frames (revision of ANSI/BHMA A156.115-2014)
  
PINS Date: Jan 8, 2016 | Public Review Date: Jul 15, 2016 | Final Action Date: Oct 11, 2016 | Approved

- ANSI/SDI/BHMA A250.13-2014 (R2018), Testing & Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies for Protection of Building Envelopes (Not applicable for FEMA 320/361 or ICC 500 Shelters) (reaffirmation and redesignation of ANSI A250.13-2014)
  
  Public Review Date: May 25, 2018 | Final Action Date: Jul 27, 2018 | Approved

**SDI (Canvass) (Steel Deck Institute)**

  
PINS Date: Jun 16, 2017 | Public Review Date: Dec 4, 2020 | Final Action Date: May 20, 2021 | Approved

  
PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

  
PINS Date: Feb 16, 2018 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

  
PINS Date: Jun 16, 2017 | Public Review Date: May 22, 2020 | Final Action Date: May 20, 2021 | Approved

- ANSI/SDI C-2017, Standard for Composite Steel Floor Deck-Slabs (revision of ANSI/SDI C-2011)
  
PINS Date: Nov 21, 2014 | Public Review Date: Jun 3, 2016 | Final Action Date: Jan 9, 2017 | Approved

**SERI (Sustainable Electronics Recycling International)**

- ANSI/SERI R2-V3-2020, The Sustainable Electronics Reuse & Recycling (R2) Standard (new standard)
  
PINS Date: Nov 23, 2018 | Public Review Date: Dec 20, 2019 | Final Action Date: Jul 10, 2020 | Approved

**SIA (Security Industry Association)**

  
PINS Date: Dec 21, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: Jun 7, 2019 | Approved

**SIMA (Snow and Ice Management Association)**

- ANSI/SIMA 10-2020, Standard Practice for Procuring and Planning Snow and Ice Management Services (new standard)
  
PINS Date: Jul 5, 2019 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 15, 2020 | Approved
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<th><strong>SJL (Steel Joist Institute)</strong></th>
<th>234 W. Cheves Street, Florence, SC 29501</th>
<th>w: <a href="http://www.steeljoist.org">www.steeljoist.org</a></th>
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<th><strong>SLAS (Society for Laboratory Automation and Screening)</strong></th>
<th>100 Illinois Street, Suite 242, St. Charles, IL 60174</th>
<th>w: <a href="http://www.slas.org">www.slas.org</a></th>
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<th><strong>SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)</strong></th>
<th>4201 Lafayette Center Drive, Chantilly, VA 20151-1219</th>
<th>w: <a href="http://www.smacna.org">www.smacna.org</a></th>
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<td>ANSI/SMACNA 002-2011, Rectangular Industrial Duct Construction Standards</td>
<td>(new standard)</td>
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<td>ANSI/SMACNA 006-2020, HVAC Duct Construction Standards - Metal and Flexible</td>
<td>(new standard)</td>
<td>PINS Date: Sep 13, 2013</td>
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<td>ANSI/SMACNA 007-2016, Residential Comfort System Installation Standards</td>
<td>(new standard)</td>
<td>PINS Date: Mar 24, 2006</td>
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<td>ANSI/SMACNA 011-2017, Thermoset FRP Duct Construction Manual</td>
<td>(new standard)</td>
<td>PINS Date: Jul 29, 2016</td>
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### SMACNA (Sheet Metal and Air-Conditioning Contractors' National Association)

- **ANSI/SMACNA 022-2015, Phenolic Duct Construction Standards**  
  (new standard)  
  PINS Date: Jul 25, 2014 | Public Review Date: Jan 2, 2015 | Final Action Date: Feb 12, 2015 | Approved

### SPRI (Single Ply Roofing Industry)

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

- **ANSI/MCA FTS-1-2019, Test Method for Wind Load Resistance of Flashings Used with Metal Roof Systems**  
  (new standard)  
  PINS Date: Aug 10, 2018 | Public Review Date: Apr 19, 2019 | Final Action Date: Jun 25, 2019 | Approved

- **ANSI/SPRI ED-1-2019, Design Standard for Edge Systems Used With Low Slope Roofing Systems**  
  (revision and partition of ANSI/SPRI/FM 4435 ES-1 2011 and ANSI/SPRI GD-1 2010)  
  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

- **ANSI/SPRI GT-1-2016, Test Standard for Gutter Systems**  
  (revision and redesignation of ANSI/SPRI GD-1-2010)  
  PINS Date: Mar 27, 2015 | Public Review Date: Jan 15, 2016 | Final Action Date: May 26, 2016 | 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

- **ANSI/SPRI RD-1-2019, Performance Standard for Retrofit Drains**  
  (revision of ANSI/SPRI RD-1-2014)  
  PINS Date: Apr 26, 2019 | Public Review Date: May 31, 2019 | Final Action Date: Jul 25, 2019 | Approved

  (revision of ANSI/SPRI RP-14-2010)  
  PINS Date: Dec 13, 2013 | Public Review Date: Jul 15, 2016 | Final Action Date: Sep 9, 2016 | Approved

  (revision of ANSI/SPRI RP-4-2013)  
  PINS Date: Jul 6, 2018 | Public Review Date: Nov 23, 2018 | Final Action Date: Oct 31, 2019 | Approved

  (revision of ANSI/SPRI VF-1-2010)  
  PINS Date: Aug 7, 2015 | Public Review Date: Mar 17, 2017 | Final Action Date: May 11, 2017 | Approved

- **ANSI/SPRI VR-1-2018, Procedure for Investigating Resistance Root or Rhizome Penetration on Vegetative Roofs**  
  (revision of ANSI/GRHC/SPRI VR-1-2011)  
  PINS Date: Mar 4, 2016 | Public Review Date: Apr 20, 2018 | Final Action Date: Jun 11, 2018 | Approved

- **ANSI/SPRI WD-1-2020, Wind Design Standard Practice for Roofing Assemblies**  
  (revision of ANSI/SPRI WD-1-2014)  
  PINS Date: Jun 15, 2018 | Public Review Date: Nov 8, 2019 | Final Action Date: Jan 6, 2020 | Approved

  (revision and partition of ANSI/SPRI/FM 4435/ES-1 2011)  
  PINS Date: Dec 25, 2015 | Public Review Date: Jul 1, 2016 | Final Action Date: Jan 24, 2017 | Approved

- **ANSI/SPRI/FM BPT-1-2021, Test Standard for Comparative Pull-Through Strengths of Insulation Fastening Systems and Substrate Board Materials Used with Low Slope Roofing Systems**  
  (new standard)  
  PINS Date: Sep 27, 2019 | Public Review Date: Feb 12, 2021 | Final Action Date: Mar 16, 2021 | Approved

- **ANSI/SPRI/RCI NT-1-2012 (R2017), Detection and Location of Latent Moisture in Building Roofing Systems by Nuclear Radiosotopic Thermalization**  
  (reaffirmation of ANSI/SPRI/RCI NT-1-2012)  
  PINS Date: Apr 14, 2017 | Public Review Date: Jul 14, 2017 | Final Action Date: Oct 25, 2017 | Approved
### SVIA (Specialty Vehicle Institute of America)

- **ANSI/SVIA 1-2017, Four Wheel All-Terrain Vehicles** (revision of ANSI/SVIA 1-2010)
  - PINS Date: Jan 1, 2016 | Public Review Date: Dec 16, 2016 | Final Action Date: Jun 8, 2017 | Approved

### TAPPI (Technical Association of the Pulp and Paper Industry)

- **ANSI/TAPPI T 1006 sp-2010, Testing of fiber glass mats: use of modified TAPPI procedures for sampling and lot acceptance, stiffness, tear resistance, air permeability, and thickness** (new standard)
  - PINS Date: Mar 19, 2010 | Public Review Date: Jul 2, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1007 sp-2015, Sample location for fiber glass mat sheets** (revision of ANSI/TAPPI T 1007 sp-2010)
  - PINS Date: Jul 25, 2014 | Public Review Date: Nov 21, 2014 | Final Action Date: Jun 9, 2015 | Approved

- **ANSI/TAPPI T 1008 sp-2015, Test conditions for fiber glass mat test methods** (revision of ANSI/TAPPI T 1008 sp-2010)
  - PINS Date: Aug 15, 2014 | Public Review Date: Mar 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- **ANSI/TAPPI T 1009 om-2010, Tensile strength and elongation at break for fiber glass mats** (new standard)
  - PINS Date: Apr 2, 2010 | Public Review Date: Jul 16, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1011 om-2010, Loss on ignition of fiber glass mats** (new standard)
  - PINS Date: May 7, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1012 om-2010, Moisture content of fiber glass mats** (new standard)
  - PINS Date: Sep 19, 2014 | Public Review Date: Feb 27, 2015 | Final Action Date: Jun 9, 2015 | Approved

- **ANSI/TAPPI T 1013 om-2010, Moisture sensitivity of fiber glass mats** (new standard)
  - PINS Date: Apr 30, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1014 om-2010, Average fiber diameter of fiber glass mats** (new standard)
  - PINS Date: May 7, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1015 sp-2010 (R2015), Fiber glass mat uniformity (visual defects)** (reaffirmation of ANSI/TAPPI T 1015 sp-2010)
  - PINS Date: Aug 8, 2014 | Public Review Date: Mar 6, 2015 | Final Action Date: Jun 9, 2015 | Approved

- **ANSI/TAPPI T 1016 om-2010, Average fiber diameter of fiber glass mats** (new standard)
  - PINS Date: May 7, 2010 | Public Review Date: Aug 20, 2010 | Final Action Date: Dec 2, 2010 | Approved

- **ANSI/TAPPI T 1200 sp-2014 (R2020), Interlaboratory evaluation of test methods to determine TAPPI repeatability and reproducibility** (reaffirmation of ANSI/TAPPI T 1200 sp-2014)
  - PINS Date: Oct 12, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved

- **ANSI/TAPPI T 1205 sp-2014 (R2020), Dealing with suspect (outlying) test determinations** (reaffirmation of ANSI/TAPPI T 1205 sp-2014)
  - PINS Date: Oct 12, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- **ANSI/TAPPI T 1210 sp-2018, Units of measurement and conversion factors** (new standard)
  - PINS Date: Jun 24, 2016 | Public Review Date: Dec 22, 2017 | Final Action Date: Jun 12, 2018 | Approved

  - PINS Date: Apr 27, 2018 | Public Review Date: Aug 9, 2019 | Final Action Date: Jan 31, 2020 | Approved
# Approved American National Standards

TAPPI (Technical Association of the Pulp and Paper Industry)

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<td>One percent sodium hydroxide solubility of wood and pulp (reaffirmation of ANSI/TAPPI T 212 om-2012)</td>
<td>Jan 26, 2018</td>
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<td>ANSI/TAPPI T 222 om-2021</td>
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<td>Jul 1, 2016</td>
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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 (new standard)</td>
<td>Approved</td>
<td>May 8, 2015</td>
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<td>ANSI/TAPPI T 275 sp-2018</td>
<td>Screening of pulp (Somerville-type equipment) (new standard)</td>
<td>Approved</td>
<td>Jul 15, 2016</td>
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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 277 sp-2014 (R2021), Macro stickies content in pulp: the pick-up method (reaffirmation of ANSI/TAPPI T 277 sp-2014)
  PINS Date: Mar 8, 2019 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 278 sp-2021, Pulp screening (Valley-type screening device) (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 281 sp-2018, Open drum washer mat sampling technique (revision of ANSI/TAPPI T 281 sp-2012)
  PINS Date: Mar 25, 2016 | Public Review Date: Dec 29, 2017 | Final Action Date: Jul 10, 2018 | Approved

- ANSI/TAPPI T 282 om-2013 (R2019), Hexeneuronic acid content of chemical pulp (reaffirmation of ANSI/TAPPI T 282 om-2013)
  PINS Date: Mar 30, 2018 | Public Review Date: Mar 29, 2019 | Final Action Date: Jun 11, 2019 | Approved

- ANSI/TAPPI T 400 sp-2011, Sampling and accepting a single lot of paper, paperboard, containerboard, or related product (new standard)
  PINS Date: Jun 25, 2010 | Public Review Date: Nov 19, 2010 | Final Action Date: Jun 13, 2011 | 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-2011, Moisture in pulp, paper and paperboard (new standard)
  PINS Date: Sep 24, 2010 | Public Review Date: Jul 1, 2011 | Final Action Date: Nov 16, 2011 | 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 421 om-2012, Qualitative (including optical microscopic) analysis of mineral filler and mineral coating of paper (new standard)
  PINS Date: Jun 4, 2010 | Public Review Date: Oct 28, 2011 | Final Action Date: Jun 18, 2012 | Approved
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 425 om-2011, Opacity of paper (15/d geometry, illuminant A/2 degrees, 89% reflectance backing and paper backing) (new standard)
  PINS Date: Feb 12, 2010 | Public Review Date: Jun 3, 2011 | Final Action Date: Nov 11, 2011 | Approved

- ANSI/TAPPI T 425 om-2021, Opacity of paper (15/d geometry, illuminant A/2°, 89% reflectance backing and paper backing) (revision of ANSI/TAPPI T 425 om-2011)
  PINS Date: Mar 27, 2020 | Public Review Date: Jul 2, 2021 | Final Action Date: Oct 26, 2021 | Approved

- ANSI/TAPPI T 428 om-2021, Hot water extractable acidity or alkalinity of paper (revision of ANSI/TAPPI T 428 om-2013)
  PINS Date: Aug 14, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 437 om-2012 (R2021), Dirt in paper and paperboard (reaffirmation of ANSI/TAPPI T 437 om-2013)
  PINS Date: Aug 14, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 441 om-2020, Water absorptiveness of sized (nonbibulous) paper, paperboard, and corrugated fiberboard (Cobb test) (revision of ANSI/TAPPI T 441 om-2013)
  PINS Date: Jul 3, 2020 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 10, 2020 | Approved

- ANSI/TAPPI T 444 sp-2021, Silver tarnishing by paper and paperboard (revision and redesignation of ANSI/TAPPI T 444 om-2012)
  PINS Date: Jun 17, 2016 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 448 om-2021, Water vapor transmission rate of paper and paperboard at 23 degrees C and 50% RH (new standard)
  PINS Date: Jan 29, 2021 | Public Review Date: Jul 30, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 449 om-2014, Bacteriological examination of paper and paperboard (new standard)
  PINS Date: May 6, 2011 | Public Review Date: Jul 11, 2014 | Final Action Date: Jan 13, 2015 | Approved

  PINS Date: May 17, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

  PINS Date: Feb 1, 2019 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

- ANSI/TAPPI T 456 om-2015, Tensile breaking strength of water-saturated paper and paperboard ('wet tensile strength) (new standard)
  PINS Date: Sep 5, 2014 | Public Review Date: Jun 5, 2015 | Final Action Date: Apr 6, 2017 | Approved

- ANSI/TAPPI T 459 om-2021, Surface strength of paper (wax pick test) (revision of ANSI/TAPPI T 459 om-2013)
  PINS Date: Oct 2, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 1, 2021 | Approved

- ANSI/TAPPI T 460 om-2011, Air resistance of paper (Gurley method) (new standard)
  PINS Date: Aug 27, 2010 | Public Review Date: Feb 18, 2011 | Final Action Date: Jun 14, 2011 | Approved

- ANSI/TAPPI T 460 om-2021, Air resistance of paper (Gurley method) (new standard)
  PINS Date: Mar 27, 2020 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 1, 2021 | Approved
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TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 562 om-2021, CIE whiteness and tint of paper and paperboard (45/0 geometry, C/2 illuminant/observer)  
  (new standard)  
  PINS Date: Jul 25, 2014 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 563 om-2015 (R2021), Equivalent black area (EBA) and count of visible dirt in pulp, paper and paperboard by image analysis  
  (reaffirmation of ANSI/TAPPI T 563 om-2015)  
  PINS Date: May 10, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

- ANSI/TAPPI T 564 sp-20212x, Transparent chart for the estimation of defect size  
  (new standard)  
  PINS Date: Mar 27, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 566 om-2021, Bending resistance (stiffness) of paper (Taber-type tester in 0 to 10 Taber stiffness unit configuration)  
  (new standard)  
  PINS Date: May 17, 2019 | Public Review Date: Aug 20, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 567 om-2020, Determination Of Effective Residual Ink Concentration (Eric) By Infrared Reflectance Measurement  
  (new standard)  
  PINS Date: May 17, 2019 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 568 om-2012 (R2018), Physical area of sub-visible contraries in pulp, paper and paperboard by image analysis  
  (reaffirmation of ANSI/TAPPI T 568 om-2012)  
  PINS Date: Jul 8, 2016 | Public Review Date: Aug 24, 2018 | Final Action Date: Dec 31, 2018 | Approved

- ANSI/TAPPI T 569 om-2014, Internal bond strength (Scott type)  
  (new standard)  
  PINS Date: May 24, 2013 | Public Review Date: Nov 8, 2013 | Final Action Date: Jun 18, 2014 | Approved

- ANSI/TAPPI T 572 sp-2013 (R2021), Accelerated pollutant aging of printing and writing paper by pollution chamber exposure apparatus  
  (reaffirmation of ANSI/TAPPI T 572 sp-2013)  
  PINS Date: Apr 6, 2018 | Public Review Date: Aug 13, 2021 | Final Action Date: Nov 2, 2021 | Approved

- ANSI/TAPPI T 573 sp-2015, Accelerated temperature aging of printing and writing paper by dry oven exposure apparatus  
  (new standard)  
  PINS Date: Sep 6, 2013 | Public Review Date: Oct 3, 2014 | Final Action Date: Jun 4, 2015 | Approved

- ANSI/TAPPI T 577 om-2021, Score bend test  
  (new standard)  
  PINS Date: Dec 21, 2018 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/TAPPI T 578 sp-2011, Accelerated light aging of printing and writing paper by xenon-arc exposure apparatus  
  (new standard)  
  PINS Date: Aug 27, 2010 | Public Review Date: May 20, 2011 | Final Action Date: Nov 11, 2011 | Approved

- ANSI/TAPPI T 579 om-2018, Diffuse brightness of paper, paperboard and pulp (d/0) (ultraviolet level D65)  
  (new standard)  
  PINS Date: May 6, 2016 | Public Review Date: Nov 24, 2017 | Final Action Date: Jul 10, 2018 | Approved

- ANSI/TAPPI T 580 om-2020, Thickness (Caliper) Of Towel, Tissue, Napkin And Facial Products  
  (new standard)  
  PINS Date: Feb 16, 2018 | Public Review Date: Aug 21, 2020 | Final Action Date: Nov 9, 2020 | Approved

- ANSI/TAPPI T 648 om-2014, Viscosity of coating clay slurry  
  (new standard)  
  PINS Date: Mar 29, 2013 | Public Review Date: Sep 27, 2013 | Final Action Date: Jun 18, 2014 | Approved

- ANSI/TAPPI T 650 om-2015 (R2021), Solids content of black liquor  
  (reaffirmation of ANSI/TAPPI T 650 om-2015)  
  PINS Date: May 10, 2019 | Public Review Date: Aug 27, 2021 | Final Action Date: Nov 4, 2021 | Approved

- ANSI/TAPPI T 657 sp-2021, Sampling of fillers and pigments  
  (revision of ANSI/TAPPI T 657 sp-2012)  
  PINS Date: May 1, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved
ANSI/TAPPI T 692 om-2013, Determination of suspended solids in kraft green and white liquors (new standard)  
PINS Date: Jul 27, 2012 | Public Review Date: Nov 16, 2012 | Final Action Date: Jun 12, 2013 | Approved

ANSI/TAPPI T 702 om-2014, Rheological measurements for characterization of polyolefins: Low-density polyethylene (LDPE) for extrusion coating (new standard)  
PINS Date: Mar 28, 2014 | Public Review Date: Sep 19, 2014 | Final Action Date: Jan 13, 2015 | Approved

ANSI/TAPPI T 802 om-2012, Drop test for fiberboard shipping containers (new standard)  
PINS Date: Jul 29, 2011 | Public Review Date: Dec 9, 2011 | Final Action Date: Jun 18, 2012 | Approved

ANSI/TAPPI T 804 om-2020, Compression test of fiberboard shipping containers (revision of ANSI/TAPPI T 804 om-20102)  
PINS Date: Jul 31, 2015 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 | Approved

ANSI/TAPPI T 807 om-2011, Bursting strength of linerboard (new standard)  
PINS Date: Jun 25, 2010 | Public Review Date: Dec 17, 2010 | Final Action Date: Jun 13, 2011 | Approved

ANSI/TAPPI T 812 om-2013 (R2019), Ply separation of solid and corrugated fiberboard (wet) (reaffirmation of ANSI/TAPPI T 812 om-2013)  
PINS Date: Jan 5, 2018 | Public Review Date: Sep 28, 2018 | Final Action Date: Jun 11, 2019 | Approved

ANSI/TAPPI T 815 om-2012 (R2018), Coefficient of static friction (slide angle) of packaging and packaging materials (including shipping sack papers, corrugated and solid fiberboard) (inclined plane method) (reaffirmation of ANSI/TAPPI T 815 om-2012)  
Public Review Date: Feb 9, 2018 | Final Action Date: Aug 2, 2018 | Approved

ANSI/TAPPI T 821 om-2012, Pin adhesion of corrugated board by selective separation (new standard)  
PINS Date: Jan 22, 2010 | Public Review Date: Oct 7, 2011 | Final Action Date: Jun 19, 2012 | Approved

ANSI/TAPPI T 822 om-2011, Ring crush of paperboard (rigid support method) (new standard)  
PINS Date: May 6, 2011 | Public Review Date: Aug 12, 2011 | Final Action Date: Nov 11, 2011 | Approved

ANSI/TAPPI T 825 om-2014, Flat crush test of corrugated board (rigid support method) (new standard)  
PINS Date: May 10, 2013 | Public Review Date: Oct 4, 2013 | Final Action Date: Jun 11, 2014 | Approved

ANSI/TAPPI T 826 om-2021, Short span compressive strength of containerboard (revision of ANSI/TAPPI T 826 om-2013)  
PINS Date: Sep 28, 2018 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

ANSI/TAPPI T 829 om-2021, Score quality test (new standard)  
PINS Date: May 17, 2019 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

ANSI/TAPPI T 830 om-2018, Ink rub test of containerboard and corrugated board (new standard)  
PINS Date: May 29, 2015 | Public Review Date: Nov 17, 2017 | Final Action Date: Jul 10, 2018 | Approved

ANSI/TAPPI T 831 om-2021, Water absorption of corrugating medium: water drop penetration test (revision of ANSI/TAPPI T 831 om-2014)  
PINS Date: Aug 14, 2020 | Public Review Date: Mar 26, 2021 | Final Action Date: Jul 14, 2021 | Approved

ANSI/TAPPI T 832 om-2012, Water absorption of corrugating medium: Float curl method (new standard)  
PINS Date: Aug 12, 2011 | Public Review Date: Dec 9, 2011 | Final Action Date: Jun 19, 2012 | Approved

ANSI/TAPPI T 834 om-2012 (R2018), Determination of containerboard roll hardness (reaffirmation of ANSI/TAPPI T 834 om-2012)  
PINS Date: Jul 29, 2016 | Public Review Date: Apr 6, 2018 | Final Action Date: Dec 31, 2018 | Approved
TAPPI (Technical Association of the Pulp and Paper Industry)

- ANSI/TAPPI T 835 om-2014, Water absorption of corrugating medium: water drop absorption test (new standard)
  PINS Date: Jul 6, 2012 | Public Review Date: Apr 11, 2014 | Final Action Date: Jan 13, 2015 [Approved]

- ANSI/TAPPI T 836 om-2020, Bending stiffness, four point method (revision of ANSI/TAPPI T 836 om-2013)
  PINS Date: Sep 28, 2018 | Public Review Date: Aug 14, 2020 | Final Action Date: Nov 3, 2020 [Approved]

  PINS Date: Aug 5, 2016 | Public Review Date: Mar 2, 2018 | Final Action Date: Jun 12, 2018 [Approved]

- ANSI/TAPPI T 843 om-2020, Fluted edge crush of corrugating medium (rigid support method) (new standard)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 26, 2020 | Final Action Date: Jun 9, 2020 [Approved]

- ANSI/TAPPI T 844 om-2021, Determining construction (nominal basis weight) of corrugated board (new standard)
  PINS Date: Mar 6, 2020 | Public Review Date: Jun 25, 2021 | Final Action Date: Nov 4, 2021 [Approved]

- ANSI/TAPPI T 845 om-2014 (R2020), Wet pin adhesion of corrugated board by selective separation (reaffirmation of ANSI/TAPPI T 845 om-2014)
  PINS Date: Sep 28, 2018 | Public Review Date: Mar 6, 2020 | Final Action Date: Jun 9, 2020 [Approved]

TCATA (Textile Care Allied Trades Association)

PO Box 690905, Houston, TX 77269-0905 | w: www.tcata.org

  PINS Date: Jan 29, 2010 | Public Review Date: Feb 5, 2016 | Final Action Date: Mar 24, 2016 [Approved]

TCIA (ASC A300) (Tree Care Industry Association)

136 Harvey Road, Suite 101, Londonderry, NH 03053 | w: www.treecareindustry.org

  PINS Date: Nov 28, 2014 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 [Approved]

  PINS Date: Jul 1, 2011 | Public Review Date: Jul 24, 2015 | Final Action Date: Feb 11, 2016 [Approved]

  PINS Date: Nov 20, 2015 | Public Review Date: May 4, 2018 | Final Action Date: Aug 10, 2018 [Approved]

- ANSI A300 Part 3-2013, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Supplemental Support Systems) (revision of ANSI A300 Part 3-2006)
  PINS Date: Jun 17, 2011 | Public Review Date: Dec 21, 2012 | Final Action Date: May 6, 2013 [Approved]

- ANSI A300 Part 4-2014, Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Lightning Protection Systems) (revision of ANSI A300 Part 4-2008)
  PINS Date: Jul 1, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Mar 7, 2014 [Approved]

- ANSI A300 Part 5-2019, Tree, Shrub and Other Woody Plant Management Standard Practices (Management of Trees and Shrubs During Site Planning, Site Development, and Construction) (revision of ANSI A300 Part 5-2012)
  PINS Date: Jan 20, 2017 | Public Review Date: Dec 7, 2018 | Final Action Date: May 23, 2019 [Approved]
## TCIA (ASC A300) (Tree Care Industry Association)

- **ANSI A300 Part 6-2012 (R2018), Tree, Shrub, and Other Woody Plant Management Standard Practices (Planting and Transplanting)** (reaffirmation of ANSI A300 Part 6-2012)
  - Public Review Date: Dec 15, 2017 | Final Action Date: May 8, 2018 | Approved

  - PINS Date: Jan 20, 2017 | Public Review Date: Apr 27, 2018 | Final Action Date: Aug 10, 2018 | Approved

- **ANSI A300 Part 8-2019, Tree, Shrub, and Other Woody Plant Management - Standard Practices (Root Management)** (revision of ANSI A300 Part 8-2013)
  - PINS Date: Jun 15, 2018 | Public Review Date: Jun 14, 2019 | Final Action Date: Mar 2, 2020 | Approved

  - PINS Date: Nov 20, 2015 | Public Review Date: Aug 19, 2016 | Final Action Date: Jan 10, 2017 | Approved

## TCNA (ASC A108) (Tile Council of North America)

100 Clemson Research Blvd., Anderson, SC  29625 | w: www.tcnatile.com

- **ANSI A108.01-2016, General Requirements: Subsurfaces and Preparations by Other Trades** (revision of ANSI A108.01-2013)
  - PINS Date: Apr 11, 2014 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI A108.01-2021a, General Requirements: Subsurfaces and Preparations by Other Trades** (revision of ANSI A108.01-2021)
  - Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- **ANSI A108.02-2016, General Requirements: Materials, Environmental, and Workmanship** (revision of ANSI A108.02-2013)
  - PINS Date: Oct 4, 2013 | Public Review Date: Sep 2, 2016 | Final Action Date: Oct 21, 2016 | Approved

- **ANSI A108.02-2018, General Requirements: Materials, Environmental, and Workmanship** (revision of ANSI A108.02-2016)
  - Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

- **ANSI A108.02-2019, General Requirements: Materials, Environmental, and Workmanship** (revision of ANSI A108.02-2016)
  - Public Review Date: Apr 5, 2019 | Final Action Date: Jun 18, 2019 | Approved

  - PINS Date: Nov 11, 2016 | Public Review Date: Mar 31, 2017 | Final Action Date: Aug 21, 2017 | Approved

- **ANSI A108.11-2018, Interior Installation of Cementitious Backer Units** (revision of ANSI A108.11-2010 (R2016))
  - PINS Date: Nov 11, 2016 | Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  - PINS Date: Dec 21, 2012 | Public Review Date: Aug 2, 2019 | Final Action Date: Sep 18, 2019 | Approved

  - Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  - PINS Date: Aug 14, 2020 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved
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TCNA (ASC A108) (Tile Council of North America)

- ANSI A118.9-2019, Standard Specifications for Test Methods and Specifications for Cementitious Backer Units (revision of ANSI A118.9-1999 (R2016))
  PINS Date: Oct 19, 2018 | Public Review Date: Apr 5, 2019 | Final Action Date: Jun 21, 2019 | Approved

  PINS Date: Apr 6, 2018 | Public Review Date: Jun 5, 2020 | Final Action Date: Jul 27, 2020 | Approved

  PINS Date: Sep 13, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 16, 2017 | Approved

  Public Review Date: Sep 28, 2018 | Final Action Date: Nov 6, 2018 | Approved

  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved

  Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | 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

  Public Review Date: Feb 2, 2018 | Final Action Date: Jun 14, 2019 | Approved

- ANSI A137.2-2021, Standard Specification for Glass Tile (revision of ANSI A137.2-2019)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

- ANSI A137.3-2017, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (new standard)
  PINS Date: Oct 4, 2013 | Public Review Date: Dec 30, 2016 | Final Action Date: Feb 16, 2017 | Approved

- ANSI A137.3-2021, Standard Specifications for Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs (revision of ANSI A137.3-2017)
  Public Review Date: Apr 2, 2021 | Final Action Date: May 18, 2021 | Approved

  PINS Date: Feb 24, 2012 | Public Review Date: Dec 25, 2020 | Final Action Date: Feb 11, 2021 | Approved

  PINS Date: Apr 15, 2016 | Public Review Date: Sep 16, 2016 | Final Action Date: Mar 22, 2017 | Approved

  Public Review Date: Jul 9, 2021 | Final Action Date: Oct 15, 2021 | Approved

TIA (Telecommunications Industry Association)

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

  PINS Date: Oct 28, 2016 | Public Review Date: Apr 21, 2017 | Final Action Date: Jun 19, 2017 | Approved

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- ANSI/TIA 102.AAAB-B-2019, 102.AAAB-B Security Services Overview (new standard)
  PINS Date: Jul 13, 2018 | Public Review Date: Aug 31, 2018 | Final Action Date: Feb 5, 2019 | Approved

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- ANSI/TIA 102.AABC-D-1-2016, Trunking Control Channel Messages Addendum 1 (addenda to ANSI/TIA 102.AABC-D-2015)
  PINS Date: Mar 4, 2016 | Public Review Date: Jun 24, 2016 | Final Action Date: Nov 7, 2016 | Approved

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- ANSI/TIA 102.AABC-D-3-2018, Trunking Control Channel Messages Addendum 3 - Accessory Sensed Emergency (addenda to ANSI/TIA 102.AABC-D-1-2016)
  PINS Date: Nov 10, 2017 | Public Review Date: Mar 16, 2018 | Final Action Date: May 8, 2018 | Approved

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- **ANSI/TIA 102.BAAD-B-2015, Conventional Procedures** (new standard)
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- **ANSI/TIA 102.BAEA-C-2015, Data Overview and Specification** (revision and redesignation of ANSI/TIA 102.BAEA-B-2012)
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- **ANSI/TIA 102.CAAA-C-1-2010, Digital C4FM/CQPSK Transceiver Measurement Methods - Addendum 1 - Faded Channel Simulator** (addenda to ANSI/TIA 102.CAAA-C-2008)
  - PINS Date: Nov 27, 2009 | Public Review Date: Jan 1, 2010 | Final Action Date: Jun 22, 2010 | Approved

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- **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)  
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  Public Review Date: Jul 11, 2014 | Final Action Date: Oct 20, 2014 | **Approved**

  
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- 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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- 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)
  
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ANSI/TIA 41.323-E-2007 (R2013), Mobile Application Part (MAP) - Voice Feature Scenarios: Call Waiting
(reaffirmation of ANSI/TIA 41.323-E-2007)
Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

ANSI/TIA 41.324-E-1 [E]-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Number Identification Presentation, Calling Number Identification Restriction (addenda to ANSI/TIA 41.324-E-2007)
PINS Date: Nov 7, 2008 | Public Review Date: May 11, 2012 | Final Action Date: Aug 13, 2012 | Approved

ANSI/TIA 41.324-E-2007 (R2013), MOBILE APPLICATION PART (MAP)-VOICE FEATURE SCENARIOS: Calling Number Identification Presentation, Calling Number Identification Restriction (reaffirmation of ANSI/TIA 41.324-E-2007)
Public Review Date: Jul 13, 2012 | Final Action Date: Jan 10, 2013 | Approved

ANSI/TIA 41.325-E-2012, Mobile Application Part: Voice Feature Scenarios: Conference Calling (new standard)
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ANSI/TIA 41.328-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Mobile Access Hunting (new standard)
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ANSI/TIA 41.329-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Message Waiting Notification (new standard)
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ANSI/TIA 41.330-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Password Call Acceptance / Selective Call Acceptance (new standard)
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ANSI/TIA 41.335-E-2012, Mobile Application Part (MAP) - Voice Feature Scenarios: Calling Name Presentation, Calling Name Restriction (new standard)
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- **ANSI/TIA 41.372-E-2012**, Mobile Application Part (MAP) - Border MSC SMS Scenarios (new standard)
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  Public Review Date: Nov 25, 2011 | Final Action Date: May 3, 2012 | Approved

- ANSI/TIA 41.690-E-1 [E]-2012, Mobile Application Part (MAP) - Timers  (addenda to ANSI/TIA 41.690-E-2005 (R2012))
  PINS Date: Apr 13, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

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- ANSI/TIA 41.691-E-1[E]-2012, Wireless Radiotelecommunications Intersystem Operations - Annexes  (addenda to BSR/TIA 41.691-E-201x)
  PINS Date: Dec 23, 2011 | Public Review Date: May 4, 2012 | Final Action Date: Aug 14, 2012 | Approved

- ANSI/TIA 41.691-E-2 [E]-2012, Mobile Application Part (MAP) - Annexes for the 6XX Series  (addenda to BSR/TIA 41.691.E-200x)
  PINS Date: Apr 20, 2007 | Public Review Date: May 11, 2012 | Final Action Date: Aug 2, 2012 | Approved

- ANSI/TIA 41.691-E-2013, Mobile Application Part (MAP) Procedure Annexes  (new standard)
  PINS Date: Apr 27, 2012 | Public Review Date: Aug 3, 2012 | Final Action Date: Feb 6, 2013 | Approved

  Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

- ANSI/TIA 41.730-E-2004 (R2010), Mobile Application Part - WIN Distributed Plane and Model  (reaffirmation of ANSI/TIA 41.730-E-2004)
  Public Review Date: Aug 21, 2009 | Final Action Date: Sep 1, 2010 | Approved

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- 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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<td>Public Review Date: Jan 20, 2012</td>
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- ANSI/TIA 455-95-B-2019, Absolute Optical Power Test for Optical Fibers and Cables (new standard)
  PINS Date: Jul 7, 2017 | Public Review Date: Aug 18, 2017 | Final Action Date: Feb 15, 2019 | Approved

- ANSI/TIA 455-C-2014, Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and Other Fiber Optic Components (new standard)
  PINS Date: Feb 7, 2014 | Public Review Date: Mar 28, 2014 | Final Action Date: Aug 15, 2014 | Approved

- ANSI/TIA 470.000-E-2014, Telecommunications - Telephone Terminal Equipment - Overview of Performance Standards for Analog Telephones (new standard)
  PINS Date: Oct 25, 2013 | Public Review Date: Dec 13, 2013 | Final Action Date: Mar 11, 2014 | Approved

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- ANSI/TIA 470.120-D-2017, Telecommunications - Telephone Terminal Equipment - Network Signaling Performance Requirements (revision and redesignation of ANSI/TIA 470.120-C-2011)
  PINS Date: Nov 4, 2016 | Public Review Date: Aug 18, 2017 | Final Action Date: Oct 11, 2017 | Approved

- ANSI/TIA 470.210-F-2016, Telecommunications - Telephone Terminal Equipment - Resistance and Impedance Performance Requirements for Analog Telephones (revision and redesignation of ANSI/TIA 470.210-E-2013)
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- ANSI/TIA 4957.000-A-2017, Overview and Architecture for a Field Area Network (revision and redesignation of ANSI/TIA 4957.000-2010)
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- ANSI/TIA 4957.500-2017, Smart Utility Network-Security (new standard)
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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)
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- **ANSI/TIA 4966-2014**, Telecommunications Infrastructure Standard for Educational Facilities (new standard)
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  - PINS Date: Aug 14, 2015 | Public Review Date: Jan 1, 2016 | Final Action Date: Apr 20, 2016 | Approved

- **ANSI/TIA 5045-2016**, Numeric Identifier for Conventional Analog Operation (new standard)
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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)
  - PINS Date: Jan 1, 2021 | Public Review Date: Mar 26, 2021 | Final Action Date: Aug 30, 2021 | Approved

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- **ANSI/TIA 568-C.0-1-2010**, Generic Telecommunications Cabling for Customer Premises-Addendum 1, Updated Reference for Balanced Twisted-Pair Cabling (addenda to ANSI/TIA 568-C.0-2009)
  - PINS Date: May 7, 2010 | Public Review Date: Jun 4, 2010 | Final Action Date: Sep 1, 2010 | Approved

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**ANSI/TIA 571-C-2015, Telecommunications - Communications Products - Electrical, Thermal and Mechanical Environmental Performance Requirements** (revision and redesignation of ANSI/TIA 571-B-2007)
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**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)
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**ANSI/TIA 598-D-2014, Optical Fiber Cable Coding** (revision and redesignation of ANSI/TIA 598-C-2005)
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**ANSI/TIA 603-E-2016, Land Mobile FM or PM - Communications Equipment - Measurement and Performance Standards** (revision and redesignation of ANSI/TIA 603-D-2010)
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**ANSI/TIA 604-10C-2021, FOCIS-10 - Fiber Optic Connector Intermateability Standard, Type LC** (revision and redesignation of ANSI/TIA 604-10B-2008 (R2015))
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**ANSI/TIA 604-19-2021, FOCIS 19-Fiber Optic Connector Intermateability Standard- Type: CS Connector** (new standard)
- PINS Date: Nov 17, 2017 | Public Review Date: Apr 30, 2021 | Final Action Date: Jul 30, 2021 | Approved

**ANSI/TIA 604-5-F-2019, FOCIS 5Fiber Optic Connector Intermateability Standard- Type MPO** (new standard)
- PINS Date: Dec 1, 2017 | Public Review Date: Aug 24, 2018 | Final Action Date: Feb 15, 2019 | Approved

- PINS Date: Jul 4, 2014 | Public Review Date: Mar 13, 2015 | Final Action Date: Dec 23, 2015 | Approved

**ANSI/TIA 606-D-2021, Administration Standard For Telecommunications Infrastructure** (revision and redesignation of ANSI/TIA 606-C-2017)
- PINS Date: Nov 13, 2020 | Public Review Date: Jul 9, 2021 | Final Action Date: Oct 5, 2021 | Approved

- PINS Date: Jul 8, 2016 | Public Review Date: Oct 28, 2016 | Final Action Date: Dec 27, 2016 | Approved

- PINS Date: Nov 27, 2020 | Public Review Date: Feb 26, 2021 | Final Action Date: Jul 8, 2021 | Approved
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<td>ANSI/TIA 664-000-B-3-2007 (R2013)</td>
<td>Wireless Features Description – Addendum 3</td>
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  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

- **ANSI/TIA 664-525-B-2007 (R2013), Wireless Features Description: Asynchronous Data Service (ADS)** [reaffirmation of ANSI/TIA 664-525-B-2007]
  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

- **ANSI/TIA 664-526-B-2007 (R2013), Wireless Features Description: Calling Name Presentation (CNAP)** [reaffirmation of ANSI/TIA 664-526-B-2007]
  - Public Review Date: Feb 1, 2013 | Final Action Date: Apr 4, 2013 | Approved

- **ANSI/TIA 664-527-B-2007 (R2013), Wireless Features Description: Calling Name Presentation (CNAP)** [reaffirmation of ANSI/TIA 664-527-B-2007]
  - Public Review Date: Sep 7, 2012 | Final Action Date: Feb 6, 2013 | Approved

- **ANSI/TIA 664-528-B-2007 (R2013), Wireless Features Description: Data Privacy (DP)** [reaffirmation of ANSI/TIA 664-528-B-2007]
  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 29, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

- **ANSI/TIA 664-530-B-2007 (R2013), Wireless Features Description: Group 3 Facsimile Service (G3 Fax)** [reaffirmation of ANSI/TIA 664-530-B-2007]
  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 30, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 31, 2013 | Approved

  - Public Review Date: Oct 26, 2012 | Final Action Date: Mar 8, 2013 | Approved

- **ANSI/TIA 664-536-B-2007 (R2013), Wireless Features Description: Group 3 Analog Facsimile Service (G3 AFax)** [reaffirmation of ANSI/TIA 664-536-B-2007]
  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 31, 2013 | Approved

  - Public Review Date: Sep 7, 2012 | Final Action Date: Jan 31, 2013 | Approved
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  Public Review Date: Sep 7, 2012 | Final Action Date: Jan 31, 2013 | Approved

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  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 1, 2013 | Approved

- ANSI/TIA 664-701-B-2007 (R2013), Wireless Features Description: Mobile Station Functionality (reaffirmation of ANSI/TIA 664-701-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

- 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 14, 2012 | Final Action Date: Feb 4, 2013 | Approved

  Public Review Date: Sep 7, 2012 | Final Action Date: Feb 4, 2013 | Approved

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<td>ANSI/TIA 862-B-1-2017</td>
<td>Structured Cabling Infrastructure Standard for Intelligent Building Systems, Addendum 1: Updated References, Accommodation of New Media Types</td>
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<td>Telecommunications - IP Telephony Equipment - Voice Gateway Transmission Requirements</td>
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<td>Telecommunications - Communications Products - Overview of Transmission Requirements for Digital Interface Communications Devices</td>
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<td>Telecommunications - Communications Products - Transmission Requirements for Digital Interface Communications Devices with Speakerphone</td>
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<td>Network Model for Evaluating Multimedia Transmission Performance Over Internet Protocol</td>
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<td>ANSI/TIA 942-A-1-2013</td>
<td>Telecommunications Infrastructure Standard for Data Centers, Addendum 1 - Cabling Guidelines for Data Center Fabrics</td>
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<td>ANSI/TIA 942-B-2017</td>
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<td>ANSI/TIA 968-B-1-2012 (R2017)</td>
<td>Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 1</td>
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### TIA (Telecommunications Industry Association)

- ANSI/TIA 968-B-2-2015, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 2 (supplement to ANSI/TIA 968-B-1-2012)
  - Public Review Date: Nov 21, 2014 | Final Action Date: Jan 21, 2015 | Approved

- ANSI/TIA 968-B-2009 (R2016), Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network (reaffirmation of ANSI/TIA 968-B-2009)
  - Public Review Date: Apr 15, 2016 | Final Action Date: Nov 7, 2016 | Approved

- ANSI/TIA 968-B-3-2016, Telecommunications - Telephone Terminal Equipment - Technical Requirements for Connection of Terminal Equipment to the Telephone Network - Addendum 3 (addenda to ANSI/TIA 968-B-2009)
  - PINS Date: Oct 9, 2015 | Public Review Date: Dec 25, 2015 | Final Action Date: Mar 23, 2016 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Nov 30, 2018 | Public Review Date: Feb 8, 2019 | Final Action Date: May 7, 2019 | Approved

  - PINS Date: Dec 7, 2018 | Public Review Date: May 31, 2019 | Final Action Date: Sep 10, 2019 | Approved

  - Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

  - PINS Date: Nov 14, 2003 | Public Review Date: Nov 28, 2003 | Final Action Date: Feb 3, 2004 | Approved

### TMA (The Monitoring Association)

  - PINS Date: Jul 11, 2008 | Public Review Date: Oct 23, 2015 | Final Action Date: Jul 27, 2016 | Approved

  - PINS Date: Oct 5, 2018 | Public Review Date: Nov 1, 2019 | Final Action Date: Jul 23, 2020 | Approved

### TNI (The NELAC Institute)

- ANSI/FSMO-V1-2016, General Requirements for Field Sampling and Measurement Organizations (new standard)
  - PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved
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| ANSI/FSMO-V2-2016, General Requirements for Accreditation Bodies Accrediting Field Sampling and Measurement Organizations  (new standard)  
PINS Date: Mar 13, 2015 | Public Review Date: Dec 11, 2015 | Final Action Date: Sep 23, 2016 | Approved |
| ANSI/TNI EL-V1-2016, Management and Technical Requirements for Laboratories performing Environmental Analysis  (revision of ANSI/TNI EL-V1-2009)  
PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Dec 6, 2016 | Approved |
| ANSI/TNI EL-V1M4-2018, Management and Technical Requirements for Laboratories performing Environmental Analysis, Module 4: Quality Systems for Chemical Testing  (revision and redesignation of ANSI/TNI EL-V4-2016)  
PINS Date: Mar 24, 2017 | Public Review Date: Dec 1, 2017 | Final Action Date: Feb 27, 2018 | Approved |
| ANSI/TNI EL-V2-2016, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories  (revision of ANSI/TNI EL-V2-2009)  
PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved |
| ANSI/TNI EL-V3-2016, General Requirements for Environmental Proficiency Test Providers  (revision of ANSI/TNI EL-V3-2009)  
PINS Date: Oct 4, 2013 | Public Review Date: Sep 9, 2016 | Final Action Date: Nov 29, 2016 | Approved |

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| 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 |

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<th>UAMA (ASC B7) (Unified Abrasives Manufacturers' Association)</th>
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| ANSI B7.1-2017, Safety Requirements for the Use, Care and Protection of Abrasive Wheels  (revision of ANSI B7.1 -2010)  
PINS Date: Sep 21, 2012 | Public Review Date: Sep 8, 2017 | Final Action Date: Oct 25, 2017 | Approved |
| ANSI B7.7-2003 (R2019), Safety Requirements for Abrading Materials with Coated Abrasive Systems  (reaffirmation of ANSI B7.7-2003 (R2011))  
PINS Date: Oct 12, 2018 | Public Review Date: Feb 1, 2019 | Final Action Date: Apr 23, 2019 | Approved |

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<th>UAMA (ASC B74) (Unified Abrasives Manufacturers' Association)</th>
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| 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 |
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12 Laboratory Drive, Research Triangle Park, NC  27709-3995 | w: https://ul.org/

  Public Review Date: Oct 16, 2015 | Final Action Date: Jan 27, 2016 | Approved

- ANSI/AAMI/UL 2800-1-2019, Standard for Safety for Medical Device Interoperability (new standard)
  PINS Date: May 13, 2011 | Public Review Date: Sep 21, 2018 | Final Action Date: Feb 25, 2019 | Approved

- ANSI/ISA 12.10.02 (IEC 61241-0-2006) (R2015), Electrical Apparatus for Use in Zone 20, Zone 21, and Zone 22 Hazardous (Classified) Locations - General Requirements (reaffirm a national adoption ANSI/ISA 12.10.02 (IEC 61241-0-2006) (R2011))
  Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- ANSI/ISA 60079-0 (12.00.01)-2013, Explosive Atmospheres - Part 0: Equipment - General Requirements (national adoption of IEC 60079-0 with modifications and revision of ANSI/ISA 60079-0 (12.00.01)-2009)
  PINS Date: Jun 29, 2012 | Public Review Date: Apr 5, 2013 | Final Action Date: Jul 26, 2013 | Approved

  Public Review Date: May 31, 2013 | Final Action Date: Aug 9, 2013 | Approved

- ANSI/ISA 60079-10-1-2014, Explosive atmospheres - Part 10-1: Classification of areas - Explosive gas atmospheres (national adoption with modifications of IEC 60079-10-1)
  PINS Date: Jul 12, 2013 | Public Review Date: Apr 4, 2014 | Final Action Date: Aug 15, 2014 | Approved

- ANSI/ISA 60079-10-2 (12.10.05)-2013, Explosive Atmospheres - Part 10-2: Classification of areas - Combustible dust atmospheres (national adoption of IEC 60079-10-2 with modifications and revision of ANSI/ISA 12.10.05 (IEC 61241-10 Mod)-2004)
  PINS Date: Apr 9, 2010 | Public Review Date: Jul 5, 2013 | Final Action Date: Sep 13, 2013 | Approved

  PINS Date: May 3, 2013 | Public Review Date: Jan 17, 2014 | Final Action Date: Mar 28, 2014 | Approved

  PINS Date: Feb 11, 2011 | Public Review Date: Aug 24, 2012 | Final Action Date: Feb 15, 2013 | Approved

- ANSI/ISA 60079-18 (12.23.01)-2012, Explosive atmospheres - Part 18: Equipment protection by encapsulation "m" (national adoption of IEC 60079-18 with modifications and revision of ANSI/ISA-60079-18 (12.23.01)-2009)
  Public Review Date: Jan 27, 2012 | Final Action Date: Sep 14, 2012 | Approved

  PINS Date: Feb 8, 2013 | Public Review Date: May 17, 2013 | Final Action Date: Aug 21, 2013 | Approved

- ANSI/ISA 60079-6 (12.00.05)-2009 (R2013), Explosive atmospheres - Part 6: Equipment protection by oil-immersion "o" (reaffirm a national adoption ANSI/ISA 60079-6 (12.00.05)-2009)
  Public Review Date: Sep 6, 2013 | Final Action Date: Nov 22, 2013 | Approved
UL (Underwriters Laboratories)

- ANSI/ISA 60079-7 (12.16.01)-2008 (R2013), Explosive Atmospheres - Part 7: Equipment protection by increased safety "e" (reaffirm a national adoption ANSI/ISA 60079-7 (12.16.01)-2008)
  Public Review Date: Dec 14, 2012 | Final Action Date: May 31, 2013 | Approved

- ANSI/ISA 61010-2-030-2012 (82.02.03), Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-030: Particular requirements for testing and measuring circuits (national adoption with modifications of IEC 61010-2-030)
  PINS Date: Dec 30, 2011 | Public Review Date: Feb 10, 2012 | Final Action Date: May 11, 2012 | Approved

- ANSI/ISA 61241-1 (12.10.03)-2007 (R2015), Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Enclosures "tD" (reaffirm a national adoption ANSI/ISA 61241-1 (12.10.03)-2007 (R2011))
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  Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- ANSI/ISA 61241-18 (12.10.07)-2007 (R2015), Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Intrinsic Safety "mD" (reaffirm a national adoption ANSI/ISA 61241-18 (12.10.07)-2007 (R2011))
  Public Review Date: May 22, 2015 | Final Action Date: Sep 29, 2015 | Approved

- ANSI/ISA 61241-2 (12.10.06)-2007 (R2015), Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations - Protection by Pressurization "pD" (reaffirm a national adoption ANSI/ISA 61241-2 (12.10.06)-2007 (R2011))
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  Public Review Date: May 12, 2017 | Final Action Date: Aug 17, 2017 | Approved

  Public Review Date: Nov 8, 2019 | Final Action Date: Jan 16, 2020 | Approved

- ANSI/UL 100-2012 (R2016), Standard for Safety for Sustainability for Gypsum Boards and Panels (reaffirmation of ANSI/UL 100-2012)
  Public Review Date: Aug 12, 2012 | Final Action Date: Oct 10, 2016 | Approved

  Public Review Date: Mar 25, 2016 | Final Action Date: Jun 20, 2016 | Approved

  Public Review Date: Aug 26, 2016 | Final Action Date: Mar 6, 2017 | Approved

  Public Review Date: Nov 18, 2016 | Final Action Date: Mar 6, 2017 | Approved

  Public Review Date: Jan 27, 2017 | Final Action Date: Mar 6, 2017 | Approved
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

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ANSI/UL 1004-4-2018a, Standard for Safety for Electric Generators (revision of ANSI/UL 1004-4-2015)
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ANSI/UL 1004-6-2012 (R2017), Standard for Servo and Stepper Motors (proposal dated 12-2-16) (reaffirmation of ANSI/UL 1004-6-2012)
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ANSI/UL 1004-7-2016, Standard for Safety for Electronically Protected Motors (Proposal dated 3-11-16) (revision of ANSI/UL 1004-7-2015)
Public Review Date: Mar 11, 2016 | Final Action Date: May 23, 2016 | Approved

ANSI/UL 1004-7-2017, Standard for Safety for Electronically Protected Motors (proposal dated 8-11-17) (revision of ANSI/UL 1004-7-2016)
Public Review Date: Aug 11, 2017 | Final Action Date: Oct 2, 2017 | Approved
| ANSI/UL 1004-8-2009 (R2018), Standard for Safety for Inverter Duty Motors  (reaffirmation of ANSI/UL 1004-8-2009 (R2014)) | Public Review Date: Sep 28, 2018 | Final Action Date: Dec 6, 2018 | Approved |
| ANSI/UL 1004-9-2021, Standard for Safety for Form Wound and Medium Voltage Rotating Electrical Machines  (revision of ANSI/UL 1004-9-2016) | Public Review Date: Jan 29, 2021 | Final Action Date: Mar 18, 2021 | Approved |
| ANSI/UL 1008-2018a, Standard for Safety for Transfer Switch Equipment  (revision of ANSI/UL 1008-2015) | Public Review Date: Jun 15, 2018 | Final Action Date: Sep 14, 2018 | Approved |
| ANSI/UL 1012-2012 (R2016), Standard for Safety for Power Units Other than Class 2  (reaffirmation of ANSI/UL 1012 -2012) | Public Review Date: Feb 5, 2016 | Final Action Date: Apr 4, 2016 | Approved |
| ANSI/UL 1012-2012 (R2021), Standard for Safety for Power Units Other Than Class 2  (reaffirmation of ANSI/UL 1012 -2012 (R2016)) | Public Review Date: Jan 22, 2021 | Final Action Date: Mar 30, 2021 | Approved |
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  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

  Public Review Date: Mar 17, 2017 | Final Action Date: Sep 1, 2017 | Approved

- ANSI/UL 1023-2017a, Standard for Safety for Household Burglar-Alarm System Units (revision of ANSI/UL 1023-2013a)
  Public Review Date: Jun 30, 2017 | Final Action Date: Sep 1, 2017 | Approved

  Public Review Date: Feb 5, 2021 | Final Action Date: May 20, 2021 | Approved

  Public Review Date: Mar 11, 2016 | Final Action Date: Aug 1, 2016 | Approved

- ANSI/UL 1026-2016c, Standard for Safety for Electric Household Cooking and Food Serving Appliances (Proposals dated 4/15/16) (revision of ANSI/UL 1026)
  Public Review Date: Apr 15, 2016 | Final Action Date: Aug 1, 2016 | Approved

  Public Review Date: Nov 4, 2016 | Final Action Date: Apr 10, 2017 | Approved

  Public Review Date: Jul 21, 2017 | Final Action Date: Aug 24, 2017 | Approved

  Public Review Date: Oct 13, 2017 | Final Action Date: Feb 2, 2018 | Approved

  Public Review Date: Dec 22, 2017 | Final Action Date: Feb 2, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Jul 17, 2018 | Approved

  Public Review Date: Mar 29, 2019 | Final Action Date: Jun 6, 2019 | Approved

  Public Review Date: Nov 6, 2020 | Final Action Date: Feb 2, 2021 | Approved

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- ANSI/UL 1053-2011 (R2015), Standard For Safety For Ground-Fault Sensing and Relaying Equipment (reaffirmation of ANSI/UL 1053-2011a)
  Public Review Date: Oct 2, 2015 | Final Action Date: Nov 19, 2015 | Approved

  Public Review Date: Jul 10, 2020 | Final Action Date: Sep 3, 2020 | Approved

- ANSI/UL 1054-2008 (R2013), Special-Use Switches (reaffirmation of ANSI/UL 1054-2008)
  Public Review Date: Jan 26, 2013 | Final Action Date: Mar 18, 2013 | Approved

  Public Review Date: Jul 24, 2014 | Final Action Date: Dec 8, 2017 | Approved

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- ANSI/UL 1062-2014 (R2019), Standard for Safety for Unit Substations (reaffirmation of ANSI/UL 1062-2014)
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- ANSI/UL 1062-2020, Standard for Safety for Unit Substations (revision of ANSI/UL 1062-2014 (R2019))
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  Public Review Date: Nov 18, 2016 | Final Action Date: May 19, 2017 | Approved

  Public Review Date: Jun 2, 2017 | Final Action Date: Jul 13, 2017 | Approved

  Public Review Date: May 11, 2018 | Final Action Date: Jul 2, 2018 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: Jun 4, 2020 | Approved

  Public Review Date: Feb 21, 2020 | Final Action Date: Jun 4, 2020 | Approved

- ANSI/UL 1066-2016, Standard for Safety for Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures (revision of ANSI/UL 1066-2013)
  Public Review Date: Jan 22, 2016 | Final Action Date: Aug 2, 2016 | Approved
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- ANSI/UL 1066-2016a, Standard for Safety for Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures (revision of ANSI/UL 1066-2013)
  Public Review Date: Jun 24, 2016 | Final Action Date: Aug 2, 2016 | Approved

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  Public Review Date: Oct 23, 2020 | Final Action Date: Dec 15, 2020 | Approved

- ANSI/UL 1069-2016, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2015)
  Public Review Date: Nov 27, 2015 | Final Action Date: Aug 12, 2016 | Approved

- ANSI/UL 1069-2017, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2016)
  Public Review Date: Mar 10, 2017 | Final Action Date: May 26, 2017 | Approved

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

  Public Review Date: Nov 30, 2018 | Final Action Date: Apr 26, 2019 | Approved

- ANSI/UL 1069-2020, Standard for Safety for Hospital Signaling and Nurse Call Equipment (revision of ANSI/UL 1069-2019)
  Public Review Date: Nov 22, 2019 | Final Action Date: Apr 23, 2020 | Approved

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

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  Public Review Date: Oct 23, 2015 | Final Action Date: Apr 6, 2018 | Approved

  Public Review Date: Jul 3, 2020 | Final Action Date: Feb 16, 2021 | Approved

- ANSI/UL 1077-2016 (R2021), Standard for Safety for Supplementary Protectors for Use in Electrical Equipment (reaffirmation of ANSI/UL 1077-2016)
  Public Review Date: Sep 3, 2021 | Final Action Date: Nov 16, 2021 | Approved
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  Public Review Date: Jul 3, 2020 | Final Action Date: Sep 28, 2020 | Approved

- ANSI/UL 1180-2021, Standard for Fully Inflatable Recreational Personal Flotation Devices (revision of ANSI/UL 1180-2020)
  Public Review Date: Mar 26, 2021 | Final Action Date: May 27, 2021 | Approved

  Public Review Date: Mar 31, 2017 | Final Action Date: Jan 16, 2018 | Approved

- ANSI/UL 1191-2018a, Standard for Components for Personal Flotation Devices (revision of ANSI/UL 1191-2013)
  Public Review Date: Dec 1, 2017 | Final Action Date: Jan 16, 2018 | Approved

  Public Review Date: Jun 8, 2018 | Final Action Date: May 28, 2019 | Approved

  Public Review Date: Nov 16, 2018 | Final Action Date: May 28, 2019 | Approved

  Public Review Date: Feb 12, 2021 | Final Action Date: Apr 13, 2021 | Approved

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

- ANSI/UL 1201-2016, Standard for Sensor Operated Backwater Prevention System (new standard)
  PINS Date: Apr 17, 2015 | Public Review Date: Jun 10, 2016 | Final Action Date: Dec 14, 2016 | Approved

- ANSI/UL 1201-2016a, Standard for Sensor Operated Backwater Prevention System (new standard)
  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 (R2017), Standard for Safety for Recommendations for the Preparation, Content, and Organization of Intrinsic Safety Control Drawings (Proposal dated 04-28-17) (reaffirmation and redesignation of ANSI/ISA 12.02.02-2014)
  Public Review Date: Apr 28, 2017 | Final Action Date: Jun 30, 2017 | Approved

  Public Review Date: Jan 12, 2018 | Final Action Date: Feb 16, 2018 | Approved

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<td>ANSI/UL 121201-2021</td>
<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>Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations</td>
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<td>Standard for Personal Flotation Devices - Part 4: Lifejackets, performance level 100 — Safety requirements (national adoption with modifications of ISO 12402-4)</td>
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<td>Public Review Date: May 11, 2018</td>
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<td>Oct 26, 2018</td>
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<td>Jun 8, 2018</td>
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<td>ANSI/UL 1275-2021, Standard for Safety for Flammable Liquid Storage Cabinets (revision of ANSI/UL 1275-2010 (R2014))</td>
<td>May 7, 2021</td>
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  - Public Review Date: Jun 23, 2017 | Final Action Date: Dec 20, 2017 | Approved

  - Public Review Date: Nov 10, 2017 | Final Action Date: Dec 20, 2017 | Approved

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  - Public Review Date: Feb 14, 2020 | Final Action Date: Jun 4, 2020 | Approved

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  - Public Review Date: May 7, 2021 | Final Action Date: Jul 8, 2021 | Approved

  - Public Review Date: Dec 11, 2015 | Final Action Date: May 3, 2016 | Approved

- **ANSI/UL 1278-2016a**, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters  (revision of ANSI/UL 1278-2014a)
  - Public Review Date: Mar 18, 2016 | Final Action Date: May 3, 2016 | Approved

- **ANSI/UL 1278-2016b**, Standard for Safety for Movable and Wall- or Ceiling-Hung Electric Room Heaters  (revision of ANSI/UL 1278-2016)
  - Public Review Date: Jun 10, 2016 | Final Action Date: Dec 14, 2016 | Approved

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

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  Public Review Date: Nov 23, 2018 | Final Action Date: Jul 25, 2019 | Approved

  Public Review Date: Oct 30, 2015 | Final Action Date: Dec 16, 2015 | Approved

- ANSI/UL 1314-2005 (R2014), Standard for Safety for Special-Purpose Metal Containers (reaffirmation of ANSI/UL 1314-2005 (R200x))
  Public Review Date: Mar 7, 2014 | Final Action Date: Jun 19, 2014 | Approved

  Public Review Date: Aug 4, 2017 | Final Action Date: Sep 28, 2017 | Approved

- ANSI/UL 1316-2018, Standard For Fibre Reinforced Plastic Underground Tanks For Flammable And Combustible Liquids (new standard)
  Public Review Date: Jan 19, 2018 | Final Action Date: Nov 21, 2018 | Approved

- ANSI/UL 1316-2018a, Standard For Fibre Reinforced Plastic Underground Tanks For Flammable And Combustible Liquids (new standard)
  Public Review Date: Jun 29, 2018 | Final Action Date: Nov 21, 2018 | Approved

  Public Review Date: Aug 24, 2018 | Final Action Date: Mar 12, 2019 | Approved

  Public Review Date: Sep 22, 2017 | Final Action Date: Jan 11, 2018 | Approved

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

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  Public Review Date: Jul 3, 2015 | Final Action Date: Aug 31, 2015 | Approved

  Public Review Date: Jun 3, 2016 | Final Action Date: Jul 28, 2016 | Approved

- ANSI/UL 1413-2012 (R2016), Standard for Safety for High-Voltage Components for Television-Type Appliances (reaffirmation of ANSI/UL 1413-2012)
  Public Review Date: Sep 16, 2016 | Final Action Date: Nov 1, 2016 | Approved

  Public Review Date: Nov 4, 2016 | Final Action Date: Jan 6, 2017 | Approved

  Public Review Date: Jan 20, 2017 | Final Action Date: Mar 8, 2017 | Approved

- ANSI/UL 1419-2011 (R2016), Standard for Safety for Professional Video and Audio Equipment (reaffirmation of ANSI/UL 1419-2011)
  Public Review Date: Mar 11, 2016 | Final Action Date: Apr 27, 2016 | Approved

- ANSI/UL 1419-2021, Standard for Safety for Professional Video and Audio Equipment (reaffirmation and redesignation of ANSI/UL 2021-2016)
  Public Review Date: May 14, 2021 | Final Action Date: Jul 30, 2021 | Approved

- ANSI/UL 142-2019, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Apr 27, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019a, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Nov 2, 2018 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2019b, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2013)
  Public Review Date: Feb 22, 2019 | Final Action Date: May 17, 2019 | Approved

- ANSI/UL 142-2021, Standard for Safety for Steel Aboveground Tanks for Flammable and Combustible Liquids (revision of ANSI/UL 142-2019)
  Public Review Date: Nov 13, 2020 | Final Action Date: Jan 21, 2021 | Approved

  Public Review Date: Sep 29, 2017 | Final Action Date: Dec 8, 2017 | Approved

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  Public Review Date: Mar 6, 2020 | Final Action Date: May 29, 2020 | 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
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  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
  Public Review Date: Feb 2, 2018 | Final Action Date: Mar 22, 2018 | Approved
  Public Review Date: Feb 26, 2021 | Final Action Date: Apr 21, 2021 | Approved
- ANSI/UL 144-2019, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2014)
  Public Review Date: Sep 6, 2019 | Final Action Date: Dec 10, 2019 | Approved
  Public Review Date: Oct 9, 2020 | Final Action Date: Jan 22, 2021 | Approved
- ANSI/UL 144-2021a, Standard for Safety for LP-Gas Regulators (revision of ANSI/UL 144-2019)
  Public Review Date: Apr 23, 2021 | Final Action Date: Aug 26, 2021 | Approved
- ANSI/UL 1441-2005 (R2018), Standard for Coated Electrical Sleeving (reaffirmation of ANSI/UL 1441-2005 (R2013))
  Public Review Date: Sep 7, 2018 | Final Action Date: Nov 27, 2018 | 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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Revision of ANSI/UL 1453-2017  
Public Review Date: Mar 16, 2018 | Final Action Date: May 18, 2018 | Approved

Revision of ANSI/UL 1468-2013a  
Public Review Date: Mar 4, 2016 | Final Action Date: May 9, 2016 | Approved

Revision of ANSI/UL 1468-2016  
Public Review Date: Mar 9, 2018 | Final Action Date: Apr 13, 2018 | Approved

### ANSI/UL 147-2016, Standard for Safety for Hand-Held Torches for Fuel Gases  
Revision of ANSI/UL 147-2015  
Public Review Date: May 20, 2016 | Final Action Date: Jul 7, 2016 | Approved

Revision of ANSI/UL 147-2016  
Public Review Date: Aug 23, 2019 | Final Action Date: Oct 29, 2019 | Approved

### ANSI/UL 1472-2015a, Standard for Safety for Solid State Dimming Controls  
Revision of ANSI/UL 1472-2006 (R2011)  
Public Review Date: Jun 20, 2014 | Final Action Date: Sep 24, 2015 | Approved

### ANSI/UL 1472-2017, Standard for Safety for Solid-State Dimming Controls  
Revision of ANSI/UL 1472-2015  
Public Review Date: Apr 28, 2017 | Final Action Date: Nov 10, 2017 | Approved

### ANSI/UL 1472-2020, Standard for Safety for Solid-State Dimming Controls  
Revision of ANSI/UL 1472-2017  
Public Review Date: Jan 17, 2020 | Final Action Date: Jul 31, 2020 | Approved

### ANSI/UL 1478-2004 (R2018), Standard for Safety for Fire Pump Relief Valves  
Reaffirmation of ANSI/UL 1478-2004 (R2013)  
Public Review Date: Feb 23, 2018 | Final Action Date: Apr 12, 2018 | Approved

### ANSI/UL 1478A-2013 (R2017), Standard for Safety for Pressure Relief Valves for Sprinkler Systems  
Reaffirmation of ANSI/UL 1478A-2013  
Public Review Date: Jun 16, 2017 | Final Action Date: Aug 4, 2017 | Approved

### ANSI/UL 1479-2021, Standard for Fire Tests of Penetration Firestops  
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- **ANSI/UL 14C-2008a (R2017)**, Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs (reaffirmation of ANSI/UL 14C-2008a)
  - Public Review Date: May 26, 2017 | Final Action Date: Jul 17, 2017 | Approved

- **ANSI/UL 14C-2008a (R2021)**, Standard for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs (reaffirmation of ANSI/UL 14C-2008a (R2017))
  - Public Review Date: Aug 13, 2021 | Final Action Date: Oct 1, 2021 | Approved

  - Public Review Date: Aug 21, 2015 | Final Action Date: Oct 14, 2015 | Approved

  - Public Review Date: Jun 26, 2020 | Final Action Date: Aug 31, 2020 | Approved

- **ANSI/UL 15027-2-2020**, Standard for Immersion suits — Part 2: Abandonment suits, requirements including safety (national adoption with modifications of ISO 15027-2)
  - PINS Date: Oct 9, 2015 | Public Review Date: Nov 29, 2019 | Final Action Date: Jul 27, 2020 | Approved

  - PINS Date: Oct 9, 2015 | Public Review Date: Jan 31, 2020 | Final Action Date: Sep 8, 2020 | Approved

- **ANSI/UL 1517-2012 (R2017)**, Standard for Safety for Hybrid Personal Flotation Devices (reaffirmation of ANSI/UL 1517-2012)
  - Public Review Date: Mar 3, 2017 | Final Action Date: Dec 8, 2017 | Approved

- **ANSI/UL 1517-2012 (R2021)**, Standard for Hybrid Personal Flotation Devices (September 3, 2021) (reaffirmation of ANSI/UL 1517-2012 (R2017))
  - Public Review Date: Sep 3, 2021 | Final Action Date: Oct 28, 2021 | Approved

  - Public Review Date: Nov 18, 2016 | Final Action Date: Jan 20, 2017 | Approved

  - Public Review Date: Oct 7, 2016 | Final Action Date: Jan 20, 2017 | Approved

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  Public Review Date: Feb 9, 2018 | Final Action Date: Mar 19, 2018 | Approved

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- ANSI/UL 1559-2017, Insect-Control Equipment - Electrocution Type (December 30, 2016) (revision of ANSI/UL 1559-2011b)  
  Public Review Date: Sep 22, 2017 | Final Action Date: Nov 20, 2017 | Approved

  Public Review Date: Mar 22, 2019 | Final Action Date: May 13, 2019 | Approved

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

- ANSI/UL 1564-2013 (R2017), Standard for Safety for Industrial Battery Chargers (reaffirmation of ANSI/UL 1564-2013)  
  Public Review Date: Jun 16, 2017 | Final Action Date: Aug 4, 2017 | Approved

  Public Review Date: Jun 26, 2020 | Final Action Date: Aug 11, 2020 | Approved

- ANSI/UL 1565-2013 (R2017), Standard for Safety for Positioning Devices (reaffirmation of ANSI/UL 1565-2013)  
  Public Review Date: Feb 24, 2017 | Final Action Date: May 5, 2017 | Approved

- ANSI/UL 1567-2012 (R2016), Receptacles and Switches Intended for Use with Aluminum Wire (reaffirmation of ANSI/UL 1567-2012)  
  Public Review Date: May 27, 2016 | Final Action Date: Jul 15, 2016 | Approved

- ANSI/UL 1567-2012 (R2020), Standard for Safety for Receptacles and Switches Intended for Use with Aluminum Wire (reaffirmation of ANSI/UL 1567-2012 (R2016))  
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

  Public Review Date: Jul 24, 2015 | Final Action Date: Dec 18, 2015 | Approved
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- ANSI/UL 1569-2015a, Standard for Metal-Clad Cables  (revision of ANSI/UL 1569-2014)
  Public Review Date: Oct 30, 2015 | Final Action Date: Dec 18, 2015 | Approved

  Public Review Date: Apr 22, 2016 | Final Action Date: Jul 1, 2016 | Approved

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- ANSI/UL 1598-2018a, Standard for Safety for Luminaires (revision of ANSI/UL 1598-2012)
  Public Review Date: Jan 5, 2018 | Final Action Date: Aug 28, 2018 | Approved

  Public Review Date: May 18, 2018 | Final Action Date: Aug 28, 2018 | Approved

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- ANSI/UL 1598B-2014 (R2020), Standard for Safety for Supplemental Requirements for Luminaire Reflector Kits for Installation on Previously Installed Fluorescent Luminaires (reaffirmation of ANSI/UL 1598B-2014)
  Public Review Date: Oct 4, 2019 | Final Action Date: Feb 3, 2020 | Approved

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- ANSI/UL 1598C-2016, Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits (revision of ANSI/UL 1598C-2014)
  Public Review Date: Oct 7, 2016 | Final Action Date: Nov 17, 2016 | Approved

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- ANSI/UL 1637-2017, Standard for Safety for Home Health Care Signaling Equipment  (revision of ANSI/UL 1637-2016)
  Public Review Date: Mar 17, 2017 | Final Action Date: Sep 21, 2017 | Approved

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- ANSI/UL 1640-2016a, Standard for Safety for Portable Power-Distribution Equipment  (revision of ANSI/UL 1640-2016)
  Public Review Date: May 27, 2016 | Final Action Date: Nov 14, 2016 | Approved

- ANSI/UL 1640-2016b, Standard for Safety for Portable Power-Distribution Equipment  (revision of ANSI/UL 1640-2016)
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- ANSI/UL 1647-2016, Motor-Operated Massage and Exercise Machines  (revision of ANSI/UL 1647-2015)
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- ANSI/UL 1678-2017, Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment (revision of ANSI/UL 1678-2016c)
  Public Review Date: Jun 3, 2016 | Final Action Date: Mar 24, 2017 | Approved

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- ANSI/UL 1681-2012 (R2016), Wiring Device Configurations (reaffirmation of ANSI/UL 1681-2012)
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- ANSI/UL 1681-2012 (R2020), Standard for Safety for Wiring Device Configurations (reaffirmation of ANSI/UL 1681-2012 (R2016))
  Public Review Date: May 8, 2020 | Final Action Date: Jun 23, 2020 | Approved

- ANSI/UL 1682-2017, Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013)
  Public Review Date: May 6, 2016 | Final Action Date: Feb 15, 2017 | Approved

- ANSI/UL 1682-2017a, Standard for Safety for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type (revision of ANSI/UL 1682-2013)
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- ANSI/UL 1690-2006 (R2020), Standard for Data-Processing Cable (reaffirmation of ANSI/UL 1690-2006 (R2015))
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- ANSI/UL 1696-2021, Standard for Mechanical Protection Tubing (MPT) and Fittings (revision of ANSI/UL 1696-2015)
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- ANSI/UL 1730-2007 (R2017), Standard for Safety for Smoke Detector Monitors and Accessories for Individual Living Units of Multifamily Residences and Hotel/Motel Rooms (reaffirmation of ANSI/UL 1730-2007 (R2012))
  - Public Review Date: Apr 21, 2017 | Final Action Date: Jun 9, 2017 | Approved

  - Public Review Date: Nov 15, 2019 | Final Action Date: Jan 6, 2020 | Approved

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- **ANSI/UL 1776-2019, Standard for Safety for High-Pressure Cleaning Machines** (revision of ANSI/UL 1776-2013a)
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- **ANSI/UL 1786-2021, Standard for Safety for Direct Plug-In Nightlights** (revision of ANSI/UL 1786-2014)
  - Public Review Date: Jul 10, 2020 | Final Action Date: Feb 22, 2021 | Approved

- **ANSI/UL 180-2017, Standard for Liquid-Level Gauges for Oil Burner Fuels and Other Combustible Liquids** (revision of ANSI/UL 180-2012)
  - Public Review Date: Mar 10, 2017 | Final Action Date: May 11, 2017 | Approved

- **ANSI/UL 180-2019, Standard for Liquid Level Gauges, Level Indicators and Aboveground Piping for Combustible Liquids** (new standard)
  - Public Review Date: Jun 29, 2018 | Final Action Date: Mar 15, 2019 | Approved

- **ANSI/UL 180-2019a, Standard for Liquid Level Gauges, Level Indicators and Aboveground Piping for Combustible Liquids** (new standard)
  - Public Review Date: Nov 9, 2018 | Final Action Date: Mar 15, 2019 | Approved

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- **ANSI/UL 1803-2012 (R2017), Standard For Safety For Factory Follow-Up on Third Party Certified Portable Fire Extinguishers** (reaffirmation of ANSI/UL 1803-2012)
  - Public Review Date: Jun 9, 2017 | Final Action Date: Oct 24, 2017 | 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: Feb 24, 2017 | Final Action Date: Apr 13, 2017 | Approved

- **ANSI/UL 181-2013 (R2021), Standard for Factory-Made Air Ducts and Air Connectors** (November 5, 2021)
  - Public Review Date: Nov 5, 2021 | Final Action Date: Dec 29, 2021 | Approved
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  Public Review Date: Jul 29, 2016 | Final Action Date: Sep 15, 2016 | Approved

ANSI/UL 1863-2019, Standard for Communications-Circuit Accessories (revision of ANSI/UL 1863-2012 (R2016))
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ANSI/UL 193-2016 (R2021), Standard for Alarm Valves for Fire-Protection Service (reaffirmation of ANSI/UL 193-2016)
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- ANSI/UL 2034-2016, Standards for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2015a)
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- ANSI/UL 2034-2017c, Standards for Safety for Single and Multiple Station Carbon Monoxide Alarms (revision of ANSI/UL 2034-2015a)
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- ANSI/UL 2039-2016, Standard for Flexible Connector Piping For Fuels (new standard)
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<p>| ANSI/UL 209-2016, Standard for Safety for Surface Cellular Metal Floor Raceways and Fittings (revision of ANSI/UL 209-2011) | Public Review Date: Apr 1, 2016 | Final Action Date: May 27, 2016 | Approved |
| ANSI/UL 2127-2017, Standard for Inert Gas Clean Agent Extinguishing System Units (revision of ANSI/UL 2127-2016) | Public Review Date: Sep 9, 2016 | Final Action Date: May 9, 2017 | Approved |</p>
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- ANSI/UL 2158A-2021, Standard for Clothes Dryer Transition Duct (revision of ANSI/UL 2158A-2013 (R2017))
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- ANSI/UL 2162-2014 (R2019), Standard for Commercial Wood-fired Baking Ovens - Refractory Type (reaffirmation of ANSI/UL 2162-2014)
  Public Review Date: May 17, 2019 | Final Action Date: Jul 22, 2019 | Approved

- ANSI/UL 2166-2017, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2016)
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- ANSI/UL 2166-2020a, Standard for Halocarbon Clean Agent Extinguishing System Units (revision of ANSI/UL 2166-2015)
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- ANSI/UL 2231-1-2016 (R2021), Standard For Safety For Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits: General Requirements (reaffirmation of ANSI/UL 2231-1-2016)
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- ANSI/UL 2237-2019, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
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- ANSI/UL 2237-2019a, Standard for Safety for Multi-Point Interconnection Power Cable Assemblies for Industrial Machinery (new standard)
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- ANSI/UL 2238-2021, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution (revision of ANSI/UL 2238-2020)
  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)
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- ANSI/UL 224-2021, Standard for Extruded Insulating Tubing (revision of ANSI/UL 224-2010 (R2016))
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- ANSI/UL 2251-2013a, Standard for Safety for Plugs, Receptacles and Couplers for Electric Vehicles (revision of ANSI/UL 2251-2011)
  Public Review Date: Nov 16, 2012 | Final Action Date: Feb 22, 2013 | Approved

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- ANSI/UL 2255-2012 (R2016), Standard for Safety for Receptacle Closures (reaffirmation of ANSI/UL 2255-2012)
  Public Review Date: Sep 16, 2016 | Final Action Date: Nov 1, 2016 | Approved

- ANSI/UL 2255-2021, Standard for Safety for Receptacle Closures (revision of ANSI/UL 2255-2012 (R2016))
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- ANSI/UL 2258-2018, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)
  PINS Date: Jul 21, 2017 | Public Review Date: Oct 27, 2017 | Final Action Date: May 17, 2018 | Approved

- ANSI/UL 2258-2018a, Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids (new standard)
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- ANSI/UL 2367-2009 (R2018), Solid State Overcurrent Protectors (reaffirmation of ANSI/UL 2367-2009 (R2014))
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- ANSI/UL 2515-2019, Standards for Safety for Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings  (revision of ANSI/UL 2515-2014)
  Public Review Date: Jun 8, 2018 | Final Action Date: Feb 5, 2019 | Approved

- ANSI/UL 2515A-2016, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings  (revision of ANSI/UL 2515A-2014)
  Public Review Date: Jul 10, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI/UL 2515A-2016a, Standard for Safety for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings  (revision of ANSI/UL 2515A-2014)
  Public Review Date: Dec 4, 2015 | Final Action Date: Apr 26, 2016 | Approved

- ANSI/UL 2515A-2019, Standard for Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings  (revision of ANSI/UL 2515A-2016)
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- **ANSI/UL 2790-2010 (R2019)**, Standard For Safety For Commercial Incinerators  (reaffirmation of ANSI/UL 2790-2010 (R2014))
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- ANSI/UL 299-2012 (R2018), Standard for Safety for Dry Chemical Fire Extinguishers (reaffirmation of ANSI/UL 299-2012)
  Public Review Date: Jun 9, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI/UL 299-2021, Standard for Dry Chemical Fire Extinguishers (revision of ANSI/UL 299-2012 (R2018))
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- ANSI/UL 305-2012 (R2017), Standard for Safety for Panic Hardware (reaffirmation of ANSI/UL 305-2012)
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- **ANSI/UL 3100-2021, Standard for Safety for Automated Mobile Platforms (AMPs)** (new standard)  
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- **ANSI/UL 325-2016a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems** (revision of ANSI/UL 325-2016)  
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- **ANSI/UL 325-2016b, Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems** (revision of ANSI/UL 325-2016)  
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- **ANSI/UL 325-2017, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems** (revision of ANSI/UL 325-2016)  
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- **ANSI/UL 325-2017a, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems** (revision of ANSI/UL 325-2016)  
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- **ANSI/UL 325-2017b, Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems** (revision of ANSI/UL 325-2016)  
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- **ANSI/UL 33-2010 (R2020), Standard for Heat Responsive Links for Fire-Protection Service** (reaffirmation of ANSI/UL 33-2010 (R2015))  
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- ANSI/UL 33-2021, Standard for Heat Responsive Links for Fire-Protection Service (revision of ANSI/UL 33-2010 (R2020))
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- ANSI/UL 330-2017, Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids (revision of ANSI/UL 330-2013a)
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- ANSI/UL 331B-2020, Standard For Safety For Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 331B-2015)
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- ANSI/UL 331B-2020, Standard for Safety for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 331B-2020)
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- ANSI/UL 343-2013 (R2017), Standard for Safety for Pumps for Oil-Burning Appliances (reaffirmation of ANSI/UL 343-2013)
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- ANSI/UL 343-2021, Standard for Safety for Pumps for Oil-Burning Appliances (revision of ANSI/UL 343-2013 (R2017))
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- ANSI/UL 347-2016a, Standard for Safety for Medium-Voltage AC Contactors, Controllers, and Control Centers (revision of ANSI/UL 347-2009a)
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- ANSI/UL 399-2018, Standard for Safety for Drinking-Water Coolers (revision of ANSI/UL 399-2013a)
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- ANSI/UL 4-2018, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2008 (R2013))
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- ANSI/UL 4-2021, Standard for Safety for Armored Cable (revision of ANSI/UL 4-2018)
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- **ANSI/UL 4248-11-2007 (R2018)**, Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse (reaffirmation of ANSI/UL 4248-11-2007 (R2012))
  - Public Review Date: Feb 16, 2018 | Final Action Date: Apr 4, 2018 | Approved

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- 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

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- 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))
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- **ANSI/UL 467-2013** (R2017), Standard for Safety for Grounding and Bonding Equipment  (reaffirmation of ANSI/UL 467-2013)
  - Public Review Date: Apr 14, 2017 | Final Action Date: Jun 7, 2017 | Approved

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- **ANSI/UL 471-2018a**, Commercial Refrigerators and Freezers  (revision of ANSI/UL 471-2016)
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  (revision of ANSI/UL 48-2018)  
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- **ANSI/UL 482-2005 (R2020)**, Standard for Safety for Portable Sun/Heat Lamps  
  (reaffirmation of ANSI/UL 482-2005 (R2014))  
  Public Review Date: Nov 29, 2019 | Final Action Date: Jan 16, 2020 | Approved

- **ANSI/UL 484-2016**, Standard for Room Air Conditioners  
  (revision of ANSI/UL 484-2015)  
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- **ANSI/UL 484-2018**, Standard for Room Air Conditioners  
  (revision of ANSI/UL 484-2016)  
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- **ANSI/UL 484-2019**, Standard for Room Air Conditioners  
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- ANSI/UL 496-2017, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013b)
  Public Review Date: May 6, 2016 | Final Action Date: Sep 5, 2017 | Approved

- ANSI/UL 496-2017a, Standard for Safety for Lampholders (revision of ANSI/UL 496-2013)
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- ANSI/UL 497-2004 (R2017), Standard for Safety for Protectors for Paired-Conductor Communications Circuits (reaffirmation of ANSI/UL 497-2004 (R2013))
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- ANSI/UL 497B-2004 (R2017), Standard for Safety for Protectors for Data Communications and Fire Alarm Circuits (reaffirmation of ANSI/UL 497B-2004 (R2012))
  Public Review Date: Dec 23, 2016 | Final Action Date: Feb 10, 2017 | Approved

- ANSI/UL 497C-2004 (R2017), Standard for Safety for Protectors for Coaxial Communications Circuits (reaffirmation of ANSI/UL 497C-2004 (R2012))
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- ANSI/UL 498-2021a, Standard for Safety for Attachment Plugs and Receptacles (revision of ANSI/UL 498-2021)
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- ANSI/UL 498C-2017, Standard for Safety for Appliance and Flatiron Plugs (new standard)
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- ANSI/UL 498D-2021a, Standard for Safety for Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498D-2021a)
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- ANSI/UL 498F-2020a, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498F-2020)
  Public Review Date: Aug 28, 2020 | Final Action Date: Nov 11, 2020 | Approved

- ANSI/UL 498F-2021, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498F-2020)
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- ANSI/UL 498F-2021a, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts (revision of ANSI/UL 498F-2021)
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- ANSI/UL 525-2008 (R2017), Standard for Safety for Flame Arresters (reaffirmation of ANSI/UL 525-2008 (R2012))
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- ANSI/UL 536-2021, Standard for Safety for Flexible Metallic Hose (new standard)
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- ANSI/UL 541-2016, Refrigerated Vending Machines (revision of ANSI/UL 541-2014)
  - Public Review Date: Feb 12, 2016 | Final Action Date: Apr 21, 2016 | Approved

- ANSI/UL 541-2018, Standard for Safety for Refrigerated Vending Machines (revision of ANSI/UL 541-2016)
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- ANSI/UL 5800-2020, Standard for Safety for Battery Fire Containment Products (new standard)
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- ANSI/UL 5800-2021, Standard for Safety for Battery Fire Containment Products (revision of ANSI/UL 5800-2020)
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- ANSI/UL 583-2018, Standard For Safety For Electric-Battery-Powered Industrial Trucks (proposal dated 09/08/17) (revision of ANSI/UL 583-2016)
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- ANSI/UL 583-2021, Standard for Safety for Electric-Battery-Powered Industrial Trucks (revision of ANSI/UL 583-2020)
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### ANSI/UL 588-2020a, Standard for Safety for Seasonal and Holiday Decorative Products (revision of ANSI/UL 588-2018)
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### ANSI/UL 588-2021a, Standard for Safety for Seasonal and Holiday Decorative Products (September 10, 2021) (revision of ANSI/UL 588-2021)
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### ANSI/UL 5B-2019, Standard for Strut-Type Channel Raceways and Fittings (revision of ANSI/UL 5B-2014)
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### ANSI/UL 5C-2016, Standard for Safety for Surface Metal Raceways and Fittings for Use with Data, Signal, and Control Circuits (revision of ANSI/UL 5C-2010 (R2015))
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### ANSI/UL 5C-2016 (R2020), Standard for Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits (reaffirmation of ANSI/UL 5C-2016)
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### ANSI/UL 6-2019, Standard for Electrical Rigid Metal Conduit – Steel (revision of ANSI/UL 6-2014)
- Public Review Date: Jan 18, 2019 | Final Action Date: Sep 27, 2019 | Approved

### ANSI/UL 60034-1-2016, Standard for Safety for Rotating Electrical Machines - Part 1: Rating and Performance (identical national adoption of IEC 60034-1)
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### ANSI/UL 60034-5-2019, Rotating Electrical Machines - Part 5: Degrees of Protection Provided by the Integral Design of Rotating Electrical Machines (IP Code) - Classification (identical national adoption of IEC 60034-5)
- PINS Date: Mar 30, 2018 | Public Review Date: Oct 26, 2018 | Final Action Date: Jan 14, 2019 | Approved

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### ANSI/UL 60065-2015a, Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements (national adoption of IEC 60065 with modifications and revision of ANSI/UL 60065-2013)
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- **ANSI/UL 60065-2015a (R2020)**, UL Standard for Safety for Audio, Video and Similar Electronic Apparatus - Safety Requirements, UL 60065 (reaffirmation of ANSI/UL 60065-2015a)  
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- ANSI/UL 60079-29-4-2018a, Standard for Safety for Explosive Atmospheres - Part 29-4: Gas Detectors - Performance Requirements of Open Path Detectors for Flammable Gases (national adoption with modifications of IEC 60079-29-4)
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- ANSI/UL 60079-6-2016, Standard for Safety for Explosive Atmospheres - Part 6: Equipment Protection by Liquid Immersion "o" (Proposal dated 01-29-16) (identical national adoption of IEC 60079-6 and revision of ANSI/UL 60079-6-2009 (R2013) (12.00.05))
  Public Review Date: Jan 29, 2016 | Final Action Date: Apr 29, 2016 | Approved

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- ANSI/UL 60079-7-2017, Standard for Safety for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" (Proposal dated 06-03-16) (national adoption of IEC 60079-7 with modifications and revision of ANSI/UL 60079-7-2008 (R2013))
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- ANSI/UL 60079-7-2017a, Standard for Safety for Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" (Proposal dated 12-16-16) (national adoption of IEC 60079-7 with modifications and revision of ANSI/UL 60079-7-2008 (R2013))
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- ANSI/UL 60320-3-2019, Standard for Appliance Couplers for Household and Similar General Purposes - Part 3: Standard Sheets and Guages (national adoption with modifications of IEC 60320-3)
  PINS Date: Jul 28, 2017 | Public Review Date: Jun 8, 2018 | Final Action Date: Feb 15, 2019 | Approved

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- ANSI/UL 60335-2-72-2017, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72)
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- ANSI/UL 60335-2-72-2017a, Standard for Safety for Household and Similar Electrical Appliances - Safety - Part 2-72: Particular Requirements for Floor Treatment Machines With or Without Traction Drive, for Commercial Use (national adoption with modifications of IEC 60335-2-72)
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<tr>
<td>ANSI/UL 60730-2-10-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Motor Starting Relays</td>
<td>(reaffirm a national adoption ANSI/UL 60730-2-10-2013)</td>
<td>Approved: Public Review Date: Nov 17, 2017</td>
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<tr>
<td>ANSI/UL 60730-2-11-2013 (R2018), Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Energy Regulators</td>
<td>(reaffirm a national adoption ANSI/UL 60730-2-11-2013)</td>
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ANSI/UL 60730-2-14-2013 (R2017), Standard for Automatic Electrical Controls; Part 2: Particular Requirements for Electric Actuators  (reaffirm a national adoption ANSI/UL 60730-2-14-2013)
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ANSI/UL 60730-2-14-2018, AUTOMATIC ELECTRICAL CONTROLS Part 2-14: Particular requirements for electric actuators (revision of ANSI/UL 60730-2-14-2013 (R2017))
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ANSI/UL 60730-2-2-2014, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Thermal Motor Protectors  (revision of ANSI/UL 60730-2-2-2010)
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ANSI/UL 60730-2-3-2013 (R2017), Automatic Electrical Controls for Household and Similar Use; Part 2 Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps  (reaffirm a national adoption ANSI/UL 60730-2-3-2013)
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ANSI/UL 60730-2-6-2021, Standard for Automatic electrical controls – Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (national adoption of IEC 60730-2-6 with modifications and revision of ANSI/UL 60730-2-6-2016)
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ANSI/UL 60730-2-7-2020, Standard for Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches  (identical national adoption of IEC 60730-2-7 and revision of ANSI/UL 60730-2-7-2014)
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ANSI/UL 60730-2-8-2017, Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements  (national adoption of IEC 60730-2-8 with modifications and revision of ANSI/UL 60730-2-8-2007 (R2012))
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- ANSI/UL 60745-2-4-2009 (R2018), Hand-Held Motor-Operated Electric Tools - Safety - Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type (reaffirmation of ANSI/UL 60745-2-4-2009 (R2014))
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- ANSI/UL 608-2012 (R2017), Standard for Safety for Burglary Resistant Vault Doors and Modular Panels (reaffirmation of ANSI/UL 608-2012)
  Public Review Date: Mar 31, 2017 | Final Action Date: Jun 5, 2017 | Approved

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- ANSI/UL 60939-3-2016, Standard for Safety for Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate (Proposal dated 5-6-16) (national adoption with modifications of IEC 60939-3)
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- ANSI/UL 60947-4-1-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters (national adoption of IEC 60947-4-1 with modifications and revision of ANSI/UL 60947-4-1-2014)
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- ANSI/UL 60947-4-2-2014, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and Motor-Starters - AC Semiconductor Motor Controllers and Starters (national adoption with modifications of IEC 60947-4-2)
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### ANSI/UL 60947-5-1-2014, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements - Electromechanical Control Circuit Devices  
**PINS Date:** May 12, 2006 | **Public Review Date:** Aug 24, 2007 | **Final Action Date:** Mar 28, 2014 | **Approved**

### ANSI/UL 60947-5-2-2014, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 5-2: Control Circuit Devices and Switching Elements - Proximity Switches  
**Public Review Date:** Jan 13, 2012 | **Final Action Date:** Mar 28, 2014 | **Approved**

### ANSI/UL 60947-5-5-2017, Standard for Safety for Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function  
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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  
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### ANSI/UL 60947-7-2-2017 (R2021), Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors  
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### ANSI/UL 60947-7-3-2017, Standard for Safety for Low-Voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks  
**Public Review Date:** May 6, 2016 | **Final Action Date:** Jan 27, 2017 | **Approved**

### 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  
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### ANSI/UL 60947-7-4-2018, Standard for Safety for Low-voltage Switchgear and Controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors  
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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>
<td>Feb 10, 2017</td>
<td>Jan 26, 2018</td>
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<td>ANSI/UL 61215-1-3-2018</td>
<td>Standard for Safety for Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval - Part 1-3: Special Requirements for Testing of Thin-Film Amorphous Silicon Based Photovoltaic (PV) Modules (National Adoption with Modifications of IEC 61215-1-3)</td>
<td>Feb 10, 2017</td>
<td>Jan 26, 2018</td>
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- **ANSI/UL 61215-1-3-2021**, Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-3 and revision of ANSI/UL 61215-1-3-2018)
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- **ANSI/UL 61215-1-4-2018**, Standard for Safety for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se) Based photovoltaic (PV) modules (national adoption with modifications of IEC 61215-1-4)
  - PINS Date: Feb 10, 2017 | Public Review Date: Jan 26, 2018 | Final Action Date: Apr 3, 2018 | **Approved**

- **ANSI/UL 61215-1-4-2021**, Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules (identical national adoption of IEC 61215-1-4 and revision of ANSI/UL 61215-1-4-2018)
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- **ANSI/UL 61215-2-2017**, Standard for Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures (identical national adoption of IEC 61215-2)
  - PINS Date: Sep 2, 2016 | Public Review Date: Nov 4, 2016 | Final Action Date: Feb 28, 2017 | **Approved**

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- **ANSI/UL 61215-2012 (R2016)**, Standard for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval (reaffirm a national adoption ANSI/UL 61215-2012)
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- **ANSI/UL 61646-2012 (R2016)**, Standard for Thin-Film Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval (reaffirm a national adoption ANSI/UL 61646-2012)
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- ANSI/UL 61730-1-2017a, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption with modifications of IEC 61730-1)
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- ANSI/UL 61730-1-2017c, Standard for Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction (national adoption with modifications of IEC 61730-1)
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- ANSI/UL 618-2010 (R2020), Standard for Concrete Masonry Units (reaffirmation of ANSI/UL 618-2010 (R2015))
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ANSI/UL 62000-2019, Standard for Safety for Controllers for Use in Power Production (new standard)
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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 62093-2017, Standard for Balance-of-System Components for Photovoltaic Systems - Design Qualification Natural Environments (national adoption with modifications of IEC 62093)
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## ANSI/UL 621-2015, Standard for Safety for Ice Cream Makers (revision of ANSI/UL 621-2010a)
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## ANSI/UL 62108-2017, Standard for Concentrator Photovoltaic (CPV) Modules and Assemblies - Design Qualification and Type Approval (revision of ANSI/UL 62108-2012 (R2016))
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- Approved

## ANSI/UL 62133-1-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 1: Nickel Systems (national adoption with modifications of IEC 62133-1)
- PINS Date: Sep 8, 2017
- Public Review Date: Apr 12, 2019
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## ANSI/UL 62133-2-2020, Standard for Safety for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made from Them, for Use in Portable Applications - Part 2: Lithium Systems (national adoption with modifications of IEC 62133-2)
- PINS Date: Sep 8, 2017
- Public Review Date: Apr 12, 2019
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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
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## ANSI/UL 62275-2016, Standard for Safety for Cable Management Systems - Cables Ties for Electrical Installations (Proposal dated 5-29-15) (national adoption of IEC 62275 with modifications and revision of ANSI/UL 62275-2010 (R2014))
- Public Review Date: May 29, 2015
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- Public Review Date: Jul 5, 2019
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- Public Review Date: May 28, 2021
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- ANSI/UL 626-2012 (R2018), Standard For Safety For Water Fire Extinguishers  (reaffirmation of ANSI/UL 626-2012)  
  Public Review Date: Jun 9, 2017 | Final Action Date: Jun 8, 2018 | Approved

- ANSI/UL 626-2021, Standard for Water Fire Extinguishers  (revision of ANSI/UL 626-2012 (R2018))  
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  PINS Date: Nov 9, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Apr 30, 2018 | Approved

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  PINS Date: Nov 9, 2012 | Public Review Date: Dec 9, 2016 | Final Action Date: Mar 27, 2017 | Approved

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  PINS Date: Nov 9, 2012 | Public Review Date: Mar 18, 2016 | Final Action Date: Aug 12, 2016 | Approved

  PINS Date: Nov 16, 2012 | Public Review Date: May 25, 2018 | Final Action Date: Sep 7, 2018 | 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 62841-3-10-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-10: Particular Requirements for Transportable Cut-Off Machines (identical national adoption of IEC 62841-3-10)
  PINS Date: Nov 23, 2012 | Public Review Date: Mar 18, 2016 | Final Action Date: Aug 5, 2016 | Approved

- ANSI/UL 62841-3-10-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-10 Particular Requirements for Transportable Cut-Off Machines (national adoption of IEC 62841-3-10 with modifications and revision of ANSI/UL 62841-3-10-2016)
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  PINS Date: Aug 24, 2018 | Public Review Date: Oct 18, 2019 | Final Action Date: Dec 13, 2019 | Approved

- ANSI/UL 62841-3-12-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-12 Particular Requirements for Transportable Threading Machines (identical national adoption of IEC 62841-3-12)
  PINS Date: Nov 23, 2012 | Public Review Date: Oct 12, 2018 | Final Action Date: Apr 5, 2019 | Approved

  PINS Date: Nov 23, 2012 | Public Review Date: Aug 25, 2017 | Final Action Date: May 4, 2018 | Approved

- ANSI/UL 62841-3-13-2018a, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-13 Particular Requirements for Transportable Drills (national adoption with modifications of IEC 62841-3-13)
  PINS Date: Nov 23, 2012 | Public Review Date: Feb 9, 2018 | Final Action Date: May 4, 2018 | Approved

- ANSI/UL 62841-3-14-2019, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-14 Particular Requirements for Transportable Drain Cleaners (identical national adoption of IEC 62841-3-14)
  PINS Date: Oct 12, 2018 | Public Review Date: Dec 14, 2018 | Final Action Date: Apr 5, 2019 | Approved

- ANSI/UL 62841-3-4-2016, Standard For Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-4: Particular Requirements For Transportable Bench Grinders (identical national adoption of IEC 62841-3-4)
  PINS Date: Nov 23, 2012 | Public Review Date: Aug 5, 2016 | Final Action Date: Dec 23, 2016 | Approved

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

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- ANSI/UL 62841-3-6-2016, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular Requirements for Transportable Diamond Drills with Liquid System (identical national adoption of IEC 62841-3-6)
  - PINS Date: Nov 23, 2012 | Public Review Date: Oct 30, 2015 | Final Action Date: Jun 17, 2016 | Approved

- ANSI/UL 62841-3-6-2018, Standard for Safety for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-6 Particular Requirements for Transportable Diamond Drills and Liquid System (identical national adoption of IEC 62841-3-6 and revision of ANSI/UL 62841-3-6-2016)
  - Public Review Date: Apr 13, 2018 | Final Action Date: Jun 22, 2018 | Approved

- ANSI/UL 62841-3-7-2021, Standard for Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery - Safety - Part 3-7: Particular Requirements For Transportable Wall Saws (new standard)
  - Public Review Date: Sep 25, 2020 | Final Action Date: Feb 18, 2021 | Approved

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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)
  - Public Review Date: Apr 9, 2021 | Final Action Date: Nov 30, 2021 | Approved

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- ANSI/UL 62841-4-4-2021, Standard For Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery – Safety – Part 4-4: Particular Requirements For Lawn Trimmers, Lawn Edge Trimmers, Grass Trimmers, Brush Cutters And Brush Saws (identical national adoption of IEC 62841-4-4:2020)
  - PINS Date: May 31, 2019 | Public Review Date: Apr 2, 2021 | Final Action Date: Oct 29, 2021 | Approved

- ANSI/UL 62986-2021, Standard for Safety for Plugs, Socket-Outlets and Couplers with Arcuate Contacts (national adoption with modifications of IEC 62986)
  - Public Review Date: Jan 29, 2021 | Final Action Date: Apr 22, 2021 | Approved

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- ANSI/UL 635-2012 (R2016), Standard for Safety for Insulating Bushings (reaffirmation of ANSI/UL 635-2012)
  - Public Review Date: Apr 22, 2016 | Final Action Date: Jun 24, 2016 | Approved
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- ANSI/UL 635-2012 (R2021), Standard for Safety for Insulating Bushings  (reaffirmation of ANSI/UL 635-2012 (R2016))
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- ANSI/UL 639-2012 (R2018), Standard for Safety for Intrusion-Detection Units  (reaffirmation of ANSI/UL 639-2012)
  Public Review Date: May 11, 2018 | Final Action Date: Jul 9, 2018 | Approved

  Public Review Date: Jun 7, 2019 | Final Action Date: Oct 24, 2019 | Approved

  Public Review Date: Feb 9, 2018 | Final Action Date: Apr 23, 2018 | Approved

- ANSI/UL 6420-2012 (R2018), Standard for Safety for Equipment Used for System Isolation and Rated as a Single Unit  (reaffirmation of ANSI/UL 6420-2012)
  Public Review Date: Nov 3, 2017 | Final Action Date: Jan 8, 2018 | Approved

- ANSI/UL 644-2014 (R202x), Standard for Safety for Container Assemblies for LP-Gas  (reaffirmation of ANSI/UL 644 -2014)
  Public Review Date: Jul 26, 2019 | Final Action Date: Nov 12, 2019 | Approved

- ANSI/UL 651-2016, Standard for Safety for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings  (revision of ANSI/UL 651-2014)
  Public Review Date: Apr 1, 2016 | Final Action Date: Jun 15, 2016 | Approved

- ANSI/UL 651-2018, Standard for Safety for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings  (revision of ANSI/UL 651-2016)
  Public Review Date: Jul 6, 2018 | Final Action Date: Nov 30, 2018 | Approved

- ANSI/UL 651-2020, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings  (revision of ANSI/UL 651-2018)
  Public Review Date: Nov 15, 2019 | Final Action Date: Mar 9, 2020 | Approved

- ANSI/UL 651-2020a, Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings  (revision of ANSI/UL 651-2018)
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- **ANSI/UL 687-2011 (R2020)**, Standard for Burglary Resistant Safes (reaffirmation of ANSI/UL 687-2011 (R2015))
  - Public Review Date: Nov 8, 2019 | Final Action Date: Feb 18, 2020 | Approved

  - Public Review Date: Feb 16, 2018 | Final Action Date: Apr 20, 2018 | Approved

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- **ANSI/UL 697-2012 (R2016)**, Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012)
  - Public Review Date: Jun 24, 2016 | Final Action Date: Aug 15, 2016 | Approved

- **ANSI/UL 697-2012 (R2021)**, Standard for Safety for Toy Transformers (reaffirmation of ANSI/UL 697-2012 (R2016))
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  Public Review Date: Jan 18, 2019 | Final Action Date: Sep 27, 2019 | Approved

- ANSI/UL 7001-2015, Sustainability Standard for Household Refrigeration Appliances (revision of ANSI/UL 7001-2014)
  PINS Date: Aug 24, 2012 | Public Review Date: Aug 14, 2015 | Final Action Date: Nov 20, 2015 | Approved

- ANSI/UL 7001-2021, Standard for Sustainability for Household Refrigeration Appliances (revision of ANSI/UL 7001-2014)
  Public Review Date: Feb 26, 2021 | Final Action Date: Oct 27, 2021 | Approved

- ANSI/UL 7003-2016, Standard for Sustainability for Household Clothes Washers (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Oct 30, 2015 | Final Action Date: Feb 11, 2016 | Approved

- ANSI/UL 7004-2017, Standard for Sustainability for Household Cooking Appliances (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Sep 9, 2016 | Final Action Date: Jan 31, 2017 | Approved

- ANSI/UL 7005-2017, Standard for Sustainability for Household Clothes Drying Appliances (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Jan 27, 2017 | Final Action Date: Jun 22, 2017 | Approved

- ANSI/UL 7006-2018, Standard for Sustainability for Household Room Air Conditioning Appliances (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: Dec 15, 2017 | Final Action Date: Mar 27, 2018 | Approved

- ANSI/UL 7007-2018, Standard for Sustainability for Microwave Oven Appliances (new standard)
  PINS Date: Aug 24, 2012 | Public Review Date: May 11, 2018 | Final Action Date: Aug 16, 2018 | Approved

- ANSI/UL 7008-2019, Standard for Sustainability for Household Dehumidifier Appliances (new standard)
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  Public Review Date: Jun 21, 2019 | Final Action Date: Aug 30, 2019 | Approved

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- ANSI/UL 710-2012 (R2017), Standard for Exhaust Hoods for Commercial Cooking Equipment (reaffirmation of ANSI/UL 710-2012)
  Public Review Date: Jan 27, 2017 | Final Action Date: Mar 22, 2017 | Approved

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<td>ANSI/UL 731-2004 (R2016)</td>
<td>Standard for Safety for Oil-Fired Unit Heaters (reaffirmation of ANSI/UL 731-2004 (R2012))</td>
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  - Public Review Date: May 7, 2021 | Final Action Date: Sep 1, 2021 | Approved

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  - Public Review Date: Nov 20, 2015 | Final Action Date: Mar 16, 2017 | Approved

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- ANSI/UL 758-2021b, Standard for Safety for Appliance Wiring Material (revision of ANSI/UL 758-2021)
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- ANSI/UL 768-2013 (R2018), Standard for Combination Locks (reaffirmation of ANSI/UL 768-2013)
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- ANSI/UL 778-2016a, Standard for Safety for Motor-Operated Water Pumps (revision of ANSI/UL 778)
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<td>Standard for Electrical Metallic Tubing - Steel  (revision of ANSI/UL 797-2012 (R2017))</td>
<td>Public Review Date: Jul 24, 2020</td>
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- ANSI/UL 797A-2021, Electrical Metallic Tubing - Aluminum and Stainless Steel  (revision of ANSI/UL 797A-2020)
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- ANSI/UL 79A-2020, Standard For Safety For Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)  (revision of ANSI/UL 79-2016)
  Public Review Date: Nov 15, 2019 | Final Action Date: Mar 12, 2020 | Approved

- ANSI/UL 79A-2020a, Standard for Safety for Power-Operated Pumps for Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85)  (revision of ANSI/UL 79A-2016)
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- ANSI/UL 79B-2020, Standard for Safety for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil  (revision of ANSI/UL 79B-2016)
  Public Review Date: Dec 27, 2019 | Final Action Date: Feb 20, 2020 | Approved

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- ANSI/UL 8-2016, Standard for Water Based Agent Fire Extinguishers  (revision of ANSI/UL 8-2011)
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- ANSI/UL 8-2020, Standard for Water Based Agent Fire Extinguishers  (revision of ANSI/UL 8-2016)
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- ANSI/UL 80-2009 (R2019), Standard for Safety for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids  (reaffirmation of ANSI/UL 80-2009 (R2014))
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<td>ANSI/UL 82-2016b, Electric Gardening Appliances</td>
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<td>ANSI/UL 82-2020, UL 82, Standard for Safety for Electric Gardening Appliances</td>
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- Public Review Date: Jul 1, 2016 | Final Action Date: Jul 28, 2017 | Approved

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- Public Review Date: May 17, 2019 | Final Action Date: Jul 11, 2019 | Approved

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## ANSI/UL 83B-2020, Standard for Safety for Switchboard and Switchgear Wires and Cables (new standard)
- Public Review Date: Jul 17, 2020 | Final Action Date: Oct 20, 2020 | Approved

## ANSI/UL 840-2012 (R2016), Standard for Insulation Coordination Including Clearances and Creepage Distances for Electrical Equipment (reaffirmation of ANSI/UL 840-2012)
- Public Review Date: Aug 19, 2016 | Final Action Date: Oct 5, 2016 | Approved

- Public Review Date: Sep 15, 2017 | Final Action Date: Oct 26, 2017 | Approved

- Public Review Date: Jan 31, 2020 | Final Action Date: Aug 25, 2020 | Approved

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- Public Review Date: Nov 16, 2018 | Final Action Date: Apr 1, 2019 | 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)
- Public Review Date: Jan 31, 2020 | Final Action Date: Jun 3, 2020 | Approved

- Public Review Date: Aug 18, 2017 | Final Action Date: Oct 6, 2017 | Approved
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  Public Review Date: Apr 7, 2017 | Final Action Date: Aug 30, 2017 | Approved

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  Public Review Date: Sep 22, 2017 | Final Action Date: Nov 1, 2017 | Approved

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  Public Review Date: Feb 16, 2018 | Final Action Date: Mar 29, 2018 | Approved

  Public Review Date: Feb 14, 2020 | Final Action Date: May 7, 2020 | Approved

- ANSI/UL 867-2016, Standard for Safety for Electrostatic Air Cleaners (proposal dated 7-29-16) (revision of ANSI/UL 867-2013)
  Public Review Date: Jul 29, 2016 | Final Action Date: Sep 16, 2016 | Approved

- ANSI/UL 867-2018, Standard for Safety for Electrostatic Air Cleaners (revision of ANSI/UL 867-2016)
  Public Review Date: Mar 2, 2018 | Final Action Date: Aug 7, 2018 | Approved

- ANSI/UL 867-2021, Standard For Safety For Electrostatic Air Cleaners (revision of ANSI/UL 867-2018)
  Public Review Date: Jun 4, 2021 | Final Action Date: Aug 17, 2021 | Approved

- ANSI/UL 870-2016, Wireways, Auxiliary Gutters, and Associated Fittings (revision of ANSI/UL 870-2013)
  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 3, 2016 | Approved

- ANSI/UL 870-2019, Standard for Wireways, Auxiliary Gutters, and Associated Fittings (revision of ANSI/UL 870-2016)
  Public Review Date: Oct 26, 2018 | Final Action Date: Mar 18, 2019 | Approved

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  Public Review Date: Jun 23, 2017 | Final Action Date: Jul 26, 2017 | Approved

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  Public Review Date: Dec 15, 2017 | Final Action Date: Feb 5, 2018 | Approved
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   Public Review Date: May 4, 2018 | Final Action Date: Aug 22, 2018 | Approved

† ANSI/UL 8750-2019, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (proposal dated 5-17-19) (revision of BSR/UL 8750-201X)
   Public Review Date: May 17, 2019 | Final Action Date: Jul 30, 2019 | Approved

   Public Review Date: Sep 14, 2018 | Final Action Date: Jul 30, 2019 | Approved

† ANSI/UL 8750-2019b, Standard for Safety for Light Emitting Diode (LED) Equipment For Use In Lighting Products (proposal dated 7-26-19) (revision of BSR/UL 8750-201X)
   Public Review Date: Jul 26, 2019 | Final Action Date: Oct 11, 2019 | Approved

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   Public Review Date: Apr 12, 2019 | Final Action Date: Jul 17, 2019 | Approved

   Public Review Date: May 27, 2016 | Final Action Date: Aug 16, 2016 | Approved

   Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | Approved

† ANSI/UL 87A-2017, Standard for Safety for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85) (revision of ANSI/UL 87A-2016)
   Public Review Date: Jun 30, 2017 | Final Action Date: Aug 31, 2017 | Approved
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  Public Review Date: Mar 30, 2018 | Final Action Date: Jun 27, 2018 | Approved

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  Public Review Date: Oct 25, 2019 | Final Action Date: Dec 12, 2019 | Approved

  Public Review Date: Jan 22, 2016 | Final Action Date: Mar 22, 2016 | Approved

- ANSI/UL 87B-2017, Standard for Safety for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil (revision of ANSI/UL 87B-2016)
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- ANSI/UL 884-2016 (R2020), Standard for Underfloor Raceways and Fittings (reaffirmation of ANSI/UL 884-2016)
  Public Review Date: Jun 12, 2020 | Final Action Date: Aug 25, 2020 | Approved

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  Public Review Date: Sep 13, 2019 | Final Action Date: Jan 30, 2020 | Approved

- ANSI/UL 923-2015b, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2013a)
  Public Review Date: Jun 19, 2015 | Final Action Date: Nov 11, 2015 | Approved

- ANSI/UL 923-2015c, Standard for Safety for Microwave Cooking Appliances (revision of ANSI/UL 923-2015a)
  Public Review Date: Sep 25, 2015 | Final Action Date: Nov 11, 2015 | Approved

  Public Review Date: Jun 9, 2017 | Final Action Date: Jul 19, 2017 | Approved

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  Public Review Date: Feb 23, 2018 | Final Action Date: May 1, 2018 | Approved

  Public Review Date: Feb 21, 2020 | Final Action Date: May 5, 2020 | Approved
UL (Underwriters Laboratories)

- ANSI/UL 935-2014 (R2018), Standard for Fluorescent-Lamp Ballasts (reaffirmation of ANSI/UL 935-2014)
  Public Review Date: Nov 2, 2018 | Final Action Date: Dec 18, 2018 | Approved

  Public Review Date: Nov 25, 2016 | Final Action Date: Feb 17, 2017 | Approved

  Public Review Date: May 19, 2017 | Final Action Date: Sep 25, 2017 | Approved

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  Public Review Date: Jan 8, 2016 | Final Action Date: May 17, 2016 | Approved

  Public Review Date: Aug 25, 2017 | Final Action Date: Feb 23, 2018 | Approved

- ANSI/UL 943B-2011 (R2016), Standard For Safety For Appliance Leakage-Current Interrupters (reaffirmation of ANSI/UL 943B-2011)
  Public Review Date: Jul 15, 2016 | Final Action Date: Sep 16, 2016 | Approved

  Public Review Date: Sep 22, 2017 | Final Action Date: Oct 26, 2017 | Approved

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<td>ANSI/UL 982-2016a</td>
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**USEMCSC (United States EMC Standards Corp.)**
32515 Nottingham Court, P.O. Box 367, Lindstrom, MN 55045

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**USEMCSC (United States EMC Standards Corp.)**

- ANSI C63.2-2016, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz Specifications (revision of ANSI C63.2-2009)
  PINS Date: May 24, 2013 | Public Review Date: Apr 10, 2015 | Final Action Date: Oct 11, 2016 | Approved

  PINS Date: Jun 12, 2009 | Public Review Date: Oct 9, 2015 | Final Action Date: Dec 3, 2015 | Approved

- ANSI C63.5-2019, Draft Standard for Electromagnetic Compatibility - Radiated Emission Measurements in Electromagnetic Interference (EMI) Control - Calibration and Qualification of Antennas (9 kHz to 40 GHz) Corrigendum 1 (revision of ANSI C63.5-2017)
  PINS Date: Dec 1, 2017 | Public Review Date: Aug 3, 2018 | Final Action Date: Jan 3, 2019 | Approved

- ANSI C63.9-2008 (R2014), Standard for RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts (reaffirmation of ANSI C63.9-2008)
  Public Review Date: Dec 27, 2013 | Final Action Date: Oct 16, 2014 | Approved

- ANSI/IEEE C63.4-2014, Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (revision of ANSI C63.4-2009)
  PINS Date: Mar 11, 2011 | Public Review Date: Jan 3, 2014 | Final Action Date: Jun 13, 2014 | Approved

**USTMA (U.S. Tire Manufacturers Association)**

  PINS Date: Jan 22, 2016 | Public Review Date: Mar 11, 2016 | Final Action Date: Mar 27, 2017 | Approved

**VC (ASC Z80) (The Vision Council)**

  PINS Date: Oct 13, 2017 | Public Review Date: Nov 6, 2020 | Final Action Date: Dec 22, 2020 | Approved

- 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 Z80.17-2013 (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
VC (ASC Z80) (The Vision Council)

- 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

- ANSI Z80.28-2017, Methods of Reporting Optical Aberrations of Eyes  (revision of ANSI Z80.28-2009)
  PINS Date: Jan 23, 2015 | Public Review Date: Jun 26, 2015 | Final Action Date: Mar 27, 2017 | 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 Z80.30-2018, Toric Intraocular Lenses  (revision of ANSI Z80.30-2010)
  PINS Date: Feb 13, 2015 | Public Review Date: Feb 16, 2018 | Final Action Date: Apr 24, 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

- 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
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<td>ANSI/VITA 4-1995</td>
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revision of ANSI/VITA 48.1-2010
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ANSI/VITA 48.2-2020, Mechanical Specification for Microcomputers using REDI Conduction Cooling Applied to VITA 46  
revision of ANSI/VITA 48.2-2010
PINS Date: Nov 27, 2015 | Public Review Date: Mar 1, 2019 | Final Action Date: Jul 10, 2020 | Approved

ANSI/VITA 48.4-2018, Liquid Flow Through VPX Plug-In Module Standard  
new standard
PINS Date: Sep 2, 2016 | Public Review Date: Mar 30, 2018 | Final Action Date: Jun 8, 2018 | Approved

ANSI/VITA 48.5-R2010 (R2017), Mechanical Standard for Electronic Plug-in units Using Air Flow Through Cooling  
reaffirmation of ANSI/VITA 48.5-2010
PINS Date: Dec 7, 2012 | Public Review Date: Nov 27, 2015 | Final Action Date: Dec 11, 2017 | Approved

ANSI/VITA 48.7-2014, Mechanical Standard for Electronic Plug-in Units using Air Flow-by Cooling Technology  
new standard
PINS Date: Dec 7, 2012 | Public Review Date: Jul 18, 2014 | Final Action Date: Oct 27, 2014 | Approved

new standard
PINS Date: Mar 25, 2016 | Public Review Date: Jan 15, 2016 | Final Action Date: May 17, 2016 | Approved

ANSI/VITA 49.0-2015 (R2021), VITA Radio Transport (VRT) Standard  
reaffirmation of ANSI/VITA 49.0-2015
Public Review Date: Sep 4, 2020 | Final Action Date: Sep 2, 2021 | Approved

ANSI/VITA 49.1-2015 (R2021), VITA Radio Link Layer Standard  
reaffirmation of ANSI/VITA 49.1-2015
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reaffirmation of ANSI/VITA 49A-2015
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ANSI/VITA 5.1-1999 (S2011), Raceway Interlink  
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ANSI/VITA 51.0-2012 (R2018), Reliability Prediction  
reaffirmation of ANSI/VITA 51.0-2012
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reaffirmation of ANSI/VITA 51.1-2013
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ANSI/VITA 51.2-2016, Physics of Failure Reliability Predictions  
revision of ANSI/VITA 51.2-2011
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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

ANSI/VITA 53.0-2010 (R2017), Standard for Commercial Technology Market Surveillance  
reaffirmation of ANSI/VITA 53.0-2010
Public Review Date: Jun 12, 2015 | Final Action Date: Dec 12, 2017 | Approved
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<td>ANSI/VITA 66.2-2013 (R2018), Optical Interconnect on VPX - ARINC 801 Termini Variant</td>
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- **ANSI/VITA 66.4-2016, Optical Interconnect on VPX - Half Width MT Variant** (new standard)
  - PINS Date: Jun 14, 2013 | Public Review Date: Dec 18, 2015 | Final Action Date: Apr 25, 2016 | Approved

  - PINS Date: Jun 15, 2018 | Public Review Date: Dec 14, 2018 | Final Action Date: Apr 9, 2019 | Approved

  - PINS Date: Oct 13, 2017 | Public Review Date: Apr 13, 2018 | Final Action Date: Apr 9, 2019 | Approved

- **ANSI/VITA 67.2-2020, Coaxial Interconnect on VPX, 8 Position SMPM** (revision of ANSI/VITA 67.2-2012)
  - PINS Date: Dec 15, 2017 | Public Review Date: May 24, 2019 | Final Action Date: Oct 15, 2020 | Approved

- **ANSI/VITA 67.3-2020, Coaxial Interconnect on VPX, Spring-Loaded Contact on Backplane** (revision of ANSI/VITA 67.3-2017)
  - PINS Date: Oct 12, 2018 | Public Review Date: Oct 16, 2020 | Final Action Date: Jan 21, 2021 | Approved

- **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

- **ANSI/VITA 78-2015, SpaceVPX System Specification** (new standard)
  - PINS Date: Nov 21, 2014 | Public Review Date: Feb 6, 2015 | Final Action Date: Apr 2, 2015 | Approved

  - 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)

- **ANSI/WCMA A100.1-2018, Standard for Safety of Window Covering Products** (revision of ANSI/WCMA A100.1-2014)
  - PINS Date: May 12, 2017 | Public Review Date: Sep 22, 2017 | Final Action Date: Jan 8, 2018 | Approved

### WDMA (Window and Door Manufacturers Association)

  - PINS Date: Mar 16, 2018 | Public Review Date: Sep 25, 2020 | Final Action Date: Jan 15, 2021 | Approved
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### WDMA (Window and Door Manufacturers Association )

  - 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 O1) (Wood Machinery Manufacturers of America)

- 2331 Rock Spring Road, Forest Hill, MD 21050 | w: www.wmma.org
  - ANSI O1.1-2013, Standard for Woodworking Machinery Safety Requirements  (revision of ANSI O1.1-2009)
    - PINS Date: Feb 22, 2013 | Public Review Date: May 24, 2013 | Final Action Date: Aug 22, 2013 | Approved

    - PINS Date: Dec 26, 2014 | Public Review Date: Jan 16, 2015 | Final Action Date: Apr 7, 2015 | Approved

  - ANSI/WMMA O1.1-3-2014, Safety Requirements for CNC Machining Centers for the Woodworking Industry  (new standard)
    - PINS Date: Mar 16, 2012 | Public Review Date: Nov 8, 2013 | Final Action Date: May 6, 2014 | Approved

  - ANSI/WMMA O1.1-4-2015, Safety Requirements for Shapers  (new standard)
    - PINS Date: Apr 27, 2012 | Public Review Date: Sep 4, 2015 | Final Action Date: Dec 9, 2015 | 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